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August 13, 2026

Via Electronic Filing

Florida Public Service Commission
Office of Commission Clerk
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Petition for an acquisition adjustment for a non-viable utility, by CSWR-Florida Utility Operating Company, LLC.

Dear Commission Clerk:

Attached please find a Petition for an Acquisition Adjustment relating to the 2023 acquisition of the water and wastewater systems of Tradewinds Utilities, Inc., filed by CSWR-Florida Utility Operating Company, LLC. Thank you for your assistance.

Sincerely,

/s/ Thomas A. Crabb

Thomas A. Crabb
Susan F. Clark
Attorneys for Petitioner
CSWR-Florida Utility Operating Company, LLC

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for an acquisition adjustment for a non-viable utility, by CSWR-Florida Utility Operating Company, LLC.
_____/

Docket No.: _____

PETITION FOR AN ACQUISITION ADJUSTMENT FOR A NON-VIABLE UTILITY

CSWR-Florida Utility Operating Company, LLC ("CSWR-Florida" or "Company"), pursuant to rule 25-30.0371, Florida Administrative Code, petitions for an acquisition adjustment relating to its 2023 acquisition of the water and wastewater facilities of Tradewinds Utilities, Inc. ("Tradewinds").

I. PETITIONER INFORMATION

Contact Information for Petitioner:

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II. INTRODUCTION

CSWR-Florida requests that the Commission grant this Petition and establish a positive acquisition adjustment relating to its 2023 acquisition of the non-viable Tradewinds water and wastewater systems. Under the Commission's acquisition adjustment rule, 25-30.0371, F.A.C. as amended in 2024, a positive acquisition adjustment is to be allowed by the Commission when three

elements are present: 1) the acquired utility meets the rule definition of a "non-viable" utility; 2) the purchase was made as part of an arms-length transaction; and 3) customers of the acquired utility benefit from the acquisition. CSWR-Florida's acquisition of the Tradewinds water and wastewater systems meets and exceeds each of these elements.

The Tradewinds water and wastewater systems were non-viable at the time of acquisition. A non-viable utility under the rule is one that is either unable to provide and maintain safe, adequate, and reliable service and facilities to its customers, or that is insolvent. Tradewinds was both unable to provide and maintain safe, adequate and reliable service, and its Annual Reports suggest it was insolvent.

In 2022, CSWR-Florida commissioned an engineering study of the Tradewinds water and wastewater systems as part of its pre-closing due diligence. That study indicated that the condition of much of the drinking water facilities was fair, that many assets were at or near the end of their useful lives, and that many years of insufficient investment, repair, and maintenance had left the system unable to reliably meet applicable regulatory requirements. The study for the wastewater system similarly found issues with the treatment assets and also noted that the facility had failed to meet requirements for the Statewide Total Nitrogen agreed order, resulting in the need for significant investment in system improvements. This issue was ultimately addressed with the connection to Marion County. However, additional issues were noted regarding the collection system that still resulted in the recommendation for improvements to lift stations and collection system lines.

Leading up to the acquisition by CSWR-Florida, Tradewinds demonstrated several indicators of financial constraint, undercapitalization, and limited ability to fund necessary reinvestment in its water and wastewater systems. Tradewinds' Annual Reports show that the utility operated with a narrow revenue base and substantial operating expenses relative to revenues, with operating expenses exceeding operating revenues in 2020 and again in 2022. Although Tradewinds reported modest positive net income in 2018 and 2019, those isolated results were not sufficient to overcome the broader financial weakness reflected in the Annual Reports. For 2017 through 2022, Tradewinds reported a cumulative net loss of approximately $1.18 million. The reports also reflect negative retained earnings in multiple years, including approximately $286,706 in 2017, $258,101 in 2019, $260,981 in 2020, $858,630 in 2021, and $397,224 in 2022. Those financial results are consistent with the types of conditions identified in prior acquisition adjustment cases involving small, distressed utilities: limited earnings, constrained access to capital, and an inability to fund the repair, replacement, and compliance-related improvements required to provide safe, adequate, and reliable service on a stand-alone basis.

The Annual Reports also show that Tradewinds' utility plant was substantially depreciated prior to acquisition, leaving the system with limited remaining book value and a need for significant reinvestment. Between 2017 and 2022, net plant declined from approximately $765,308 to approximately $435,470, a reduction of approximately 43.1%. By 2022, Tradewinds reported approximately $1.82 million of utility plant in service, but only approximately $435,470 of net plant remained after accumulated depreciation. This declining net plant balance, combined with the high level of accumulated depreciation, negative retained earnings, weak operating performance, and limited recent reinvestment, reflects a system with aging infrastructure and

limited internal financial capacity to fund the level of improvements necessary to maintain safe, adequate, and reliable water and wastewater service. Taken together, these financial and capital indicators demonstrate that Tradewinds lacked the practical ability, as a small stand-alone utility, to make or sustain meaningful reinvestment in the system without acquisition by a financially stronger utility owner.

Since acquisition, CSWR-Florida has completed a series of improvements at the Tradewinds water and wastewater systems to restore basic operability, improve treatment reliability, and address safety and maintenance deficiencies left by prior ownership. The work completed at the Tradewinds drinking water system included several improvements to address access, safety, monitoring, and system reliability. The disinfection system was relocated from a cluttered interior space to a new exterior pad with a shade structure, spill protection, improved access, and better ventilation. The elevated storage tank was power-washed and inspected by an engineer to evaluate long-term repair needs, and a damaged section of above-ground piping between the primary well and elevated storage tank was replaced. In addition, CSWR-Florida installed remote monitoring equipment, new compatible flow meters, and a continuous chlorine analyzer to improve operational oversight, support consistent chlorine residual monitoring, reduce manual testing needs, and help protect against bacteriological contamination. The primary improvement completed at the Tradewinds wastewater collection system to date has been the installation of remote monitoring equipment at each lift station to provide operations staff with immediate notification of any abnormal operating conditions which could result in service interruption or noncompliance. Various other maintenance improvements have also been implemented as issues are identified.

After acquisition, CSWR-Florida brought to the Tradewinds water and wastewater systems operations and maintenance personnel with the appropriate qualifications and experience to service the plant and bring the system back into compliance with FDEP. In addition, CSWR-Florida has implemented technology to constantly monitor the systems and has implemented a compliance management program. Customer service benefits implemented by CSWR-Florida include a 24/7 call center and electronic communications and billing. Customers further benefit from economies of scale through centralized engineering, accounting, billing, legal, and purchasing operations.

By rule, the Commission is to allow an acquisition adjustment when customers benefit from the acquisition of a non-viable system. Without question, the customers of the Tradewinds systems have benefited and will continue to benefit from this acquisition by CSWR-Florida.

III. RULE 25-30.0371(3)(b), F.A.C., PETITION FILING REQUIREMENTS

1. The amount of the acquisition adjustment requested

CSWR-Florida is requesting a positive acquisition adjustment of $2,296,822, which reflects the difference between the $2,624,194purchase price and the Company's calculated net book value of the acquired system, inclusive of net CIAC and closing costs. To calculate net book value, CSWR-Florida began with the plant value of $1,637,673 and land value of $70,000, and added $37,558 in closing costs, resulting in total acquired assets of $1,745,231. The Company then

reduced that amount by accumulated depreciation of $1,344,567 established by the Commission, plus an additional $73,544 rolled forward to the closing date, for total accumulated depreciation of $1,418,111. The resulting final calculated net book value is $327,372.

However, the Commission's August 17, 2023, Proposed Agency Action Order (PSC-2023-0245-PAA-WS) and the September 13, 2023, Consummating Order (PSC-2023-0283-CO-SU) established the net book value of the Tradewinds systems at $334,910 ($309,294 for water and $25,516 for wastewater) as of February 28, 2022. Because CSWR-Florida closed on the acquisition after that date, the Company rolled the Commission-approved balances forward to the November 30, 2023 closing date and included the actual transaction closing costs incurred in the acquisition. Although the Agreement for Sale of Utility System reflected an aggregate $4,500,000 purchase price for the broader transaction involving Tradewinds Utilities Inc, BFF Corp, and C.F.A.T. H2O, Inc., the final purchase price allocated to the Tradewinds systems at closing was $2,624,194. Accordingly, CSWR-Florida used the Tradewinds specific allocated purchase price for purposes of calculating the requested acquisition adjustment in this Petition. Based on that closing-date calculation, CSWR-Florida calculated net book value of $327,372 and therefore requests a positive acquisition adjustment of $2,296,822.

2. The amortization period requested

CSWR-Florida is requesting a 30-year amortization period for the requested acquisition adjustment. This approach minimizes rate impacts by distributing costs over a 30-year period rather than a shorter time span.

3. An explanation of how the acquisition was made as part of an arms-length transaction

CSWR-Florida's acquisition of the Tradewinds systems was an arms-length transaction, and the purchase price and terms of sale were determined through arms-length negotiations between representatives of two non-affiliated and otherwise independent parties: Central States Water Resources, Inc., ("CSWR") and Tradewinds. The parties entered into and *Purchase and Sale Agreement*, dated July 6, 2021, which reflected an aggregate $4,500,000 purchase price for the broader transaction involving Tradewinds Utilities, Inc., BFF Corp., and C.F.A.T. H2O, Inc. At closing, $2,624,194 of that aggregate purchase price was allocated to the Tradewinds water and wastewater systems. Accordingly, the Tradewinds-specific allocated purchase price of $2,624,194 is the amount used in this Petition for purposes of calculating the requested acquisition adjustment. The transaction closed on November 30, 2023.

4. The contract of sale, including the estimated cost of the fees and transaction closing costs to be incurred by the acquiring utility

Attached as **Exhibit 1** is a copy of the *Purchase and Sale Agreement*. The additional fees and transaction closing costs incurred by CSWR-Florida total $38,478, as detailed on the Tradewinds Closing Statement attached as **Exhibit 2**. That amount included $37,558 in closing costs associated with the acquisition, plus an additional $920 in property tax expenses and transfer-related expenses items recorded at closing.

5. A calculation of the net book value of the acquired utility including the composite remaining life of the assets purchased

In Order No. PSC-2023-0245-PAA-WS, the Commission determined the net book value of the Tradewinds water and wastewater systems was $334,910 ($309,394 for water and $25,516 for wastewater) as of February 28, 2022. At the time of acquisition, the composite remaining life of the assets purchased was approximately four (4) years. The composite remaining life of the assets was calculated using the utility plant in service ("UPIS") balances at acquisition and the recorded depreciation at that time. To determine the remaining life, the net plant values of individual accounts were divided by the monthly depreciation amount for those accounts. This calculation also considered the average life expectancy of the assets, providing a straightforward assessment of their expected service duration.

Tradewinds' Annual Reports do not indicate a utility with meaningful financial capacity to support additional long-term financing for needed system reinvestment. Rather, the reports show a small utility with a narrow revenue base, substantial operating expenses relative to revenues, negative retained earnings in multiple years, operating losses, and a substantially depreciated asset base. From 2017 through 2022, Tradewinds reported a cumulative net loss of approximately $1.18 million, while net plant declined from approximately $765,308 in 2017 to approximately $435,470 in 2022. These conditions indicate that, regardless of whether Tradewinds had little or no long-term debt recorded in a particular Annual Report, the utility lacked the practical financial capacity to obtain, support, or service additional financing on reasonable terms for the improvements necessary to continue providing safe, adequate, and reliable water and wastewater service.

6. A statement as to whether the acquired utility is insolvent or unable to service its debt obligations

At the time of acquisition, Tradewinds exhibited the financial characteristics of a utility that was insolvent or, at minimum, unable to support additional debt obligations necessary to make investments necessary to maintain safe, adequate, and reliable water and wastewater service. Tradewinds' Annual Reports show that the utility operated with a narrow revenue base, substantial operating expenses relative to revenues, operating losses, and limited ability to generate accumulated earnings. Although Tradewinds reported positive net income in 2018 and 2019, those isolated results were not sufficient to overcome its accumulated deficit or provide a meaningful source of capital for system reinvestment. The Annual Reports reflect negative retained earnings in multiple years, including approximately $258,101 in 2019, $260,981 in 2020, $858,630 in 2021, and $397,224 in 2022. For the 2018 through 2022 period, Tradewinds' financial results show a narrow revenue base, recurring pressure from operating expenses, and significant losses in 2021 and 2022. These financial results demonstrate that Tradewinds' limited earnings and accumulated deficit made it impossible for the utility to attract debt or equity financing necessary to fund meaningful system reinvestment required for the repairs and infrastructure improvements necessary to maintain safe, adequate, and reliable water and wastewater service on a stand-alone basis.

Tradewinds' financial condition was further weakened by the condition and remaining value of its utility plant. The Annual Reports reflect only modest capital additions in the years

leading up to acquisition and a substantially depreciated asset base. Net plant declined from approximately $731,084 in 2018 to approximately $435,470 in 2022. By 2022, Tradewinds reported utility plant in service of approximately $1.82 million, accumulated depreciation of approximately $1.38 million, and net plant of only approximately $435,470, meaning accumulated depreciation represented approximately 76% of utility plant in service. This low remaining net plant balance indicates that much of the system's recorded service life had already been consumed, leaving the utility with limited remaining book value and limited practical ability to rely on its asset base to support financing for necessary repairs, replacements, or compliance-related improvements.

Tradewinds' 2022 Annual Report did reflect long-term debt; however, because that debt was identified as bearing a 0.00% interest rate, it almost certainly represents a shareholder loan and not commercial debt. That related-party, non-interest-bearing debt should not be viewed as evidence that Tradewinds had meaningful access to external commercial capital or sufficient financial strength to fund needed system improvements. Rather, when considered together with the utility's narrow revenue base, recurring pressure from operating expenses, negative retained earnings, limited capital additions, and substantially depreciated plant, the stockholder loan supports the conclusion that Tradewinds relied on owner support and lacked practical access to non-affiliated commercial financing on reasonable terms. A small, stand-alone utility with these financial characteristics would have had limited ability to attract, support, or service additional debt or equity capital in the amounts needed to restore and maintain reliable utility service.

Taken together, Tradewinds' limited revenues, operating losses, accumulated deficit, weak operating performance, substantially depreciated asset base, and reliance on related-party debt demonstrate that the utility was not financially positioned to meet its obligations while also maintaining safe, adequate, and reliable water and wastewater service. In practical terms, Tradewinds lacked the financial capacity to service or support additional debt obligations and to fund the level of reinvestment necessary for continued operation without acquisition by a financially stronger utility owner.

7. A description of the acquiring utility's managerial, operational, financial, or technical capabilities to furnish and maintain safe and adequate service and facilities over the next 5 years from the date of acquisition

CSWR-Florida is a Florida limited liability company formed to acquire water and wastewater systems in Florida and to operate those systems as a regulated public utility. CSWR-Florida is an affiliate of CSWR, a Missouri limited liability company formed to provide managerial, technical, and financial support to its utility operating affiliates. CSWR's business plan is to pursue the purchase and recapitalization of small water and wastewater systems and to operate those systems as investor-owned regulated utilities, and the expertise its personnel provide to affiliates have been recognized by regulators in Missouri, Kentucky, Louisiana, Texas, Tennessee, Mississippi, Florida, North Carolina, South Carolina, and Arizona to allow those affiliates to acquire and operate numerous water and wastewater systems in those states. In more than 290 separate orders, regulators in each of those states determined CSWR's affiliate group has the technical, managerial, and financial qualifications necessary to acquire, own, and operate water

and/or wastewater systems. This Commission has made the same determination when it authorized CSWR-Florida to acquire and operate several systems in Florida.

CSWR and CSWR-Florida are part of an affiliate group that currently owns and operates water and wastewater systems serving approximately 489,000 customers. By virtue of that affiliation, CSWR-Florida has the financial, technical, and managerial ability to acquire, own, and operate water and wastewater systems in a manner that fully complies with applicable health, safety, environmental protection, and regulatory laws and regulations, and to provide reliable, safe, and adequate service to customers.

Since March 2015, CSWR-affiliated companies have, with the approval of state regulatory authorities, designed, permitted, and constructed numerous wastewater system improvements. These improvements include wastewater line repairs to eliminate infiltration and inflow, building numerous wastewater main extensions, building and/or repairing hundreds of lift stations, closing a number of failing wastewater plants, building new or refurbishing over 434 activated sludge plants, constructing dozens of moving bed bio-reactor plants, converting multiple failing wastewater systems into sludge storage/flow equalization and treatment basins, converting failed mechanical systems to I-FAS (integrated fixed-film activated sludge) systems, and constructing various other wastewater treatment supporting improvements.

Additionally, since March 2015, CSWR-affiliated companies have, with the approval of state regulatory authorities, designed, permitted, and completed construction of numerous drinking water systems. These improvements include construction of ground water storage tanks and drinking water pressurization pump assemblies, drilling water wells, erecting or rehabilitating well houses, closing failed wells, blasting/coating water storage tanks, replacing meter pits with new meters, replacing or repairing numerous water distribution lines, installing numerous isolation valve systems, installing a large number of flush hydrants, repairing hundreds of leaking lines, and constructing or rehabilitating various other improvements to existing drinking water systems.

The CSWR group of companies is highly qualified to service small wastewater systems based on the number of systems the group has brought into (and kept in) environmental compliance and the experience of our personnel. The affiliate group currently owns and operates more than 1,000 water and wastewater plants in eleven states. On a daily basis, CSWR's utility affiliates treat about 36.5 million gallons of wastewater from over 110,000 wastewater connections. The Louisiana affiliate has removed 240 systems from compliance agreements with the Louisiana Department of Environmental Quality – the fastest timeframe ever for a large group of systems – and we are 100% compliant with environmental compliance agreements entered into with state regulators. These agreements are often necessary because of the extremely distressed nature of many of the systems our group acquires. Our track record of compliance with and removal from these agreements shows our ability to own and operate distressed systems in a manner that complies with applicable laws and regulations, and our ability to provide safe and reliable service to customers.

8. Any notices of violation, consent decrees or other regulatory actions issued by a federal, state, regional, or local agency regarding the provision of the acquired utility's water or wastewater service over the past 5 years from the date of acquisition, including any notices of violation of primary or notices of exceedances of secondary water quality standards

Water System

A review of the compliance history of the Tradewinds drinking water system for the five years immediately preceding its acquisition by CSWR-Florida shows instances of noncompliance related to monitoring and reporting requirements. A review of the EPA Safe Drinking Water Information System ("SDWIS") database shows four instances of monitoring and reporting violations related to incomplete required sampling of disinfection byproducts in 2019 and 2022 with two parameters each. There was also a 2020 monitoring and reporting violation related to a follow-up sample required by the Lead and Copper Rule. A review of the FDEP database showed violations consistent with what appeared in the SDWIS database, with two additional violations: one reflecting only violations of state level rules and the other reflecting federal rules violations that should have been reported to the federal database but for whatever reason was not. The state level violations related to a sanitary survey, which identified several instances of noncompliance. The survey noted that no distribution system map was available on site, no emergency preparedness plan was available, no operations and maintenance manual was available, no records were available for valve exercising or flushing, and no cross-connection control program had been developed for the system. The other violation was a file review and Compliance Assistance Offer issued in 2022 for failing to submit lead and copper sampling in 2021. There are no active compliance agreements currently in effect for the Tradewinds drinking water system.

Wastewater System

The Tradewinds wastewater treatment plant had a long history of noncompliance prior to the connection to the Marion County Utilities wastewater system and the decommissioning of the Tradewinds' wastewater treatment facility. The noncompliance involved improper reporting practices, discrepancies in permitted capacity, unaddressed issues related to the condition of the treatment facility, and a consistent struggle to comply with biochemical oxygen demand, total suspended solids, and total nitrogen permit limits. It was determined the facility was incapable of meeting these limits and that significant overhaul or total replacement would be required to ensure future compliance. Rather than taking on a project of that scope, the previous ownership elected to connect to the Marion County Utilities wastewater system. After paying several fines related to the long-term noncompliance and completing the project to convert the system to a purchased treatment system, past compliance issues with the facility resolved prior to CSWR-Florida taking ownership. There are no active compliance agreements at the Tradewinds facility currently.

Attached as **Composite Exhibit 3** is a listing of all violations for Tradewinds' water system in the SDWIS, a summary of documents in the FDEP database related to Tradewinds noncompliance prior to acquisition by CSWR-Florida, and copies of the listed FDEP documents.

9. The acquired utility's annual capital investments and operations and maintenance expenses over the past 5 years from the date of acquisition, if existing

Tradewinds' annual capital investments and operations and maintenance expenses over the five (5) years prior to acquisition by CSWR-Florida are summarized in the following table:

Year	Capital Investment	O&M Expenses
2022	$207,730	$500,289
2021	$0	$393,778
2020	$7,359	$416,472
2019	$11,328	$396,178
2018	$17,443	$382, 253

Attached as **Exhibit 4** are the Annual Reports previously filed with the Commission by Tradewinds (2017-2022).

10. Any planned infrastructure additions and maintenance by the acquiring utility to improve the acquired utility's quality of service or compliance with environmental regulations

Water System

Condition at Acquisition:

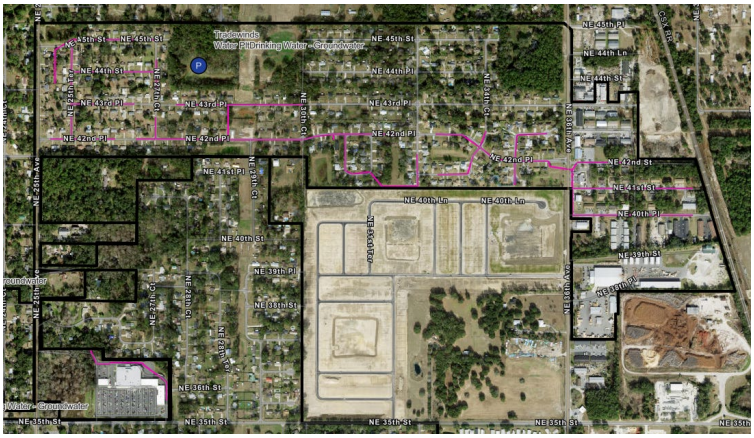
The Tradewinds water system serves 240 equivalent residential connections in Marion County. The drinking water system serves a subdivision and commercial customers in the northeast portion of Ocala. CSWR-Florida closed on its acquisition of the Tradewinds water and wastewater systems on November 30, 2023.

At acquisition, CSWR-Florida identified several issues with the Tradewinds water system that would require repairs or improvements to ensure the system can provide safe and reliable service and can be properly maintained and operated in the future. The issues CSWR-Florida identified included the following:

- The system included no spill containment or shade structure for sodium hypochlorite
- No residual chlorine monitoring was present
- The elevated storage tank was due for inspection and cleaning and to evaluate long-term repair needs
- Piping on the elevated storage tank was corroded and in poor condition including the fill line, the supply line to system, and the overflow line.
- Coatings on the out-of-service hydropneumatic tanks were in poor condition requiring repair or permanent removal of the tanks
- No remote monitoring equipment was present
- Flow meters were in poor condition and not set up for live data recording or reporting through remote monitoring system

- All wells were due for evaluation and rehabilitation or reworking
- Existing backup wells were inadequate to supply the system in the event of main well failure.
- Climb prevention cage damaged on the elevated storage tank ladder
- The elevated storage tank was in need of repairs, improvements and recoating pending evaluation of its overall condition and fitness
- Hydropneumatic tanks needed rehabilitation to return to service
- The automatic transfer switch for the generator had failed
- Areas of fencing around the water site were damaged
- Required distribution system repairs included locating, exercising, and repairing isolation valves and flushing hydrants; installation of additional isolation valves and flushing hydrants; leak and break repairs; and replacement of damaged segments of water mains

The photographs below show an aerial view of the Tradewinds drinking water facility and overview photos of the drinking water system.



Aerial view of the Tradewinds Community.



Aerial view of Tradewinds elevated storage tank, disinfection, and hydropneumatic storage sites (left) and ground level views of the elevated storage tank (center) and the hydropneumatic storage tank and disinfection site (right).

Improvements to Date:

Various improvements have been completed to date at the Tradewinds drinking water system. First, improvements were made to the disinfection system. At acquisition, the system consisted of a single 55-gallon drum with a feed pump located in the corner of a room full of trash and spare materials. Access to the drum was difficult and no spill protection was present. Additionally, there was no venting in the room to remove chlorine gas. A new pad and shade structure were installed outside the structure and a new drum with spill protection were installed to provide better access, better ventilation, and spill containment for the disinfection system.



Disinfection system before (left) and after (right) improvement.

At acquisition, the elevated storage tank needed evaluation to determine necessary long-term repairs to the tank. To evaluate the tank, it was power-washed and an engineering inspection was completed. A damaged section of above ground piping running from the primary well to the elevated storage tank has also been replaced.



Replaced segment of above ground piping

No remote monitoring system was present at the time CSWR-Florida acquired the system and the existing flow meters were in poor condition and could not communicate with a remote monitoring system. Remote monitoring equipment was installed along with new flow meters that can connect to the remote monitoring equipment. With the installation of the remote monitoring

equipment, a continuous chlorine analyzer was also installed. These analyzers actively monitor to ensure that adequate chlorine residual is maintained in drinking water to prevent bacteriological contamination issues in the drinking water and reduce manual testing requirements.



New remote monitoring equipment (left) and new chlorine residual monitoring (right)

Planned Improvements

Further improvements are needed at the Tradewinds drinking water system to ensure the facilities are in a safe and operable condition, that the facility can meet regulatory requirements, and to ensure the facilities can be properly and efficiently maintained moving forward. All three wells need evaluation and rehabilitation to ensure they can function effectively and to extend their useful lives. An additional concern is that while the primary well is suitable to run the system, if it were removed from service the two backup wells are not adequate to supply the system. Furthermore, with some planned developments in the area, additional well capacity will be needed. As a result, a new well is being permitted to be installed to ensure resiliency and adequate water supply.

As previously stated, the elevated storage tank needs repairs and improvements. Several areas show steel corrosion to the structure and the tank that will require, at minimum, sanding and recoating and, in some cases, steel repair prior to recoating. The tank equipment is also in poor condition, with the potential CSWR-Florida will be required to replace all piping, hatches, the access ladder, and the climb prevention cage on the lower section of the ladder. These improvements will be required to ensure the tank can function properly, that all operator safety equipment is in place, and to prevent members of the public from becoming injured by attempting to climb the tank without authorization. While the system is currently maintaining pressure utilizing the elevated storage tank, the hydropneumatic tanks should be returned to service so there are other means of maintaining system pressure in the event of maintenance on the elevated tank or other circumstances requiring the elevated tank to be removed from service. Therefore, the hydropneumatic tanks will be evaluated, any required repairs completed, and the tanks recoated to be returned to service.

The automatic transfer switch for the generator also was not functioning at acquisition. This is a piece of equipment that automatically activates the emergency generator and switches the

system from grid power to backup power in the event of a power outage. The switch should be replaced to prevent service interruption in the event of a power outage.

General site improvements are also needed. This will include clearing of vegetation, trash, debris, and unused equipment from the site and structure interiors, repairs to fencing and gates around the facility, and repairs and replacement to any wiring, conduit, and above ground piping on the site which is deteriorating or otherwise damaged.

The final area of planned improvements involves general improvements to the distribution system. Evaluation and improvements will include identification and repairs of leaks or breaks, identification, evaluation and repair of isolation valves and installation of additional valves where needed to minimize customers impacted by breaks and maintenance activities, and installation of automatic flushing units on flushing hydrants and dead-end fire hydrants to reduce accumulation of debris in the water lines.

Wastewater System

Condition at Acquisition:

The Tradewinds wastewater system is a purchased treatment wastewater collection system serving 547 equivalent residential connections in Marion County. The wastewater system serves a subdivision and commercial customers in the Northeast portion of the City of Ocala. CSWR-Florida closed on its acquisition of the Tradewinds water and wastewater systems on November 30, 2023.

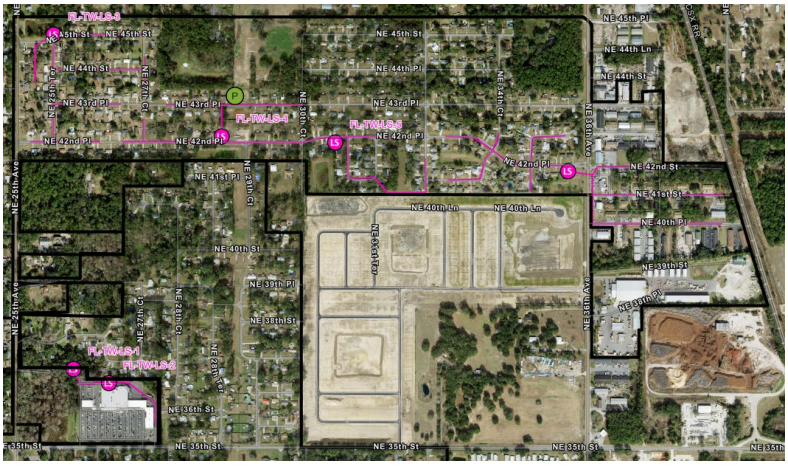
While Tradewinds once operated its own wastewater treatment facility, shortly before acquisition by CSWR-Florida the facility was connected to the Marion County wastewater system, and the treatment plant was decommissioned. At acquisition, the Tradewinds wastewater system consisted of gravity collection flowing to one of five lift stations. All these lift stations conveyed wastewater to the location of the treatment facility. Since the facility was decommissioned, a new lift station was constructed there which now conveys wastewater to the Marion County Utilities wastewater system for treatment.

At acquisition, CSWR-Florida identified several components of the Tradewinds facility that would require improvement. The issues CSWR-Florida identified include the following:

- No remote monitoring equipment present at lift stations,
- Four of the lift stations lacked guiderail systems, which allow pumps to be easily accessed for maintenance,
- The control panel and power box at one of the lift stations was in poor condition,
- Four of the lift stations lacked means to connect emergency generators in the event of power failure,
- Lift station number 3 lacked emergency bypass pumping that would allow for a mobile pump to be connected and associated discharge piping was in poor condition,
- Trash, debris, and nuisance vegetation had built up on some of the lift station sites,
- Some of the older lift stations lacked fencing or had fencing in poor condition,

- General issues with the wastewater collection system.

The photos below show an aerial view of the Tradewinds wastewater system and each lift station.



Aerial view of the Tradewinds Community



Examples of older Tradewinds collection system lift stations. Some lift stations lacked fencing, remote monitoring, and had rusting or degraded assets.



New lift station connecting to the Marion County Utilities wastewater system.

Improvements to Date:

The primary improvement completed to date at the Tradewinds wastewater system has been the installation of remote monitoring equipment at each lift station, which allows constant, live collection of data, providing continuous information on system performance and equipment status over time. This allows for more precise and efficient operations and provides operations staff with real-time information concerning system performance and equipment status. This data allows for immediate identification of abnormal operating conditions and emergencies, often enabling operations staff to respond to and address problems before they can result in service interruptions.



Example of remote monitoring units installed at all lift stations.

Planned Improvements:

CSWR-Florida has identified various additional improvements that are needed at the Tradewinds lift stations and wastewater collection system. Four of the existing lift stations lack guiderail systems for pump maintenance. Guide rail systems allow pumps to be easily raised and lowered from the lift station wet well for maintenance or replacement and significantly reduce the complexity of pump maintenance. Guide rail systems will be installed in the lift stations that do not currently have them.



Example of a lift station with guide rails for pump maintenance.

One of the lift stations has a control panel in poor condition with rust on the weatherproof box. This control panel and box will be replaced.



Damaged lift station control box.

Four of the lift stations lack the means to connect emergency backup power. This would typically include a generator quick connect and a manual transfer switch for switching the lift station over from grid power to emergency backup power. Quick connects and manual transfer switches will be installed at the four lift stations that do not currently have them. In addition to lacking the means to connect emergency backup power, Lift Station 3 lacks emergency bypass piping. This sort of piping allows a mobile pump to be connected to the lift station for operation when pumps malfunction and during power outages. The discharge piping at this lift station is also in poor condition and will be replaced and bypass piping will be installed. In addition, many of the lift station sites have significant accumulation of trash, debris, discarded equipment and materials, and nuisance vegetation around the sites and site perimeters. These materials can cause damage to fencing and equipment and pose operational obstacles and hazards to operations staff. These materials are being removed from the sites. Finally, all the older lift stations have issues with fencing, either lacking fencing entirely or having areas with damaged fencing, which create issues with site security. CSWR-Florida will install, repair, or replace fencing where necessary.



Damaged unused manhole rings, trash, and vegetation overgrowth at Tradewinds lift station site, including vegetation causing fence damage (left). Tradewinds lift station lacking fencing (right).

11. Any engineering studies or appraisals the acquiring utility procured pertaining to the purchase of the acquired utility

As part of its pre-closing due diligence, CSWR-Florida routinely engages a third-party engineering firm to evaluate the system, identify necessary repairs, upgrades, and improvements, and prepare preliminary estimates of the cost of those repairs, upgrades, and improvements. Clearpoint Consulting Engineers, P.A., an engineering firm located in Hattiesburg, Mississippi, prepared the preliminary engineering studies of the Tradewinds water and wastewater systems. A copy of each study is attached as **Composite Exhibit 5**. No appraisals of the Tradewinds systems were obtained as part of CSWR-Florida's acquisition of the system.

12. The 5-year projected impact on the cost of providing service to the customers of the utility system being acquired, including the impact of any operation and maintenance cost savings and economies of scale expected to result from the acquisition transaction, the impact of the cost of any plant infrastructure additions, and the impact of the acquisition adjustment

The financial condition of Tradewinds would have made it difficult for the utility to attract debt or equity capital on reasonable terms as a going concern. Although Tradewinds reported modest positive net income in 2018 and 2019, its Annual Reports for the five-year period from 2018 through 2022 show a narrow revenue base, substantial operating expenses relative to revenues, negative retained earnings in multiple years, and a substantially depreciated plant. During that period, Tradewinds' net plant declined from approximately $731,084 in 2018 to approximately $435,470 in 2022, while accumulated depreciation increased to approximately 76% of utility plant in service by 2022. In 2021 and 2022, Tradewinds also reported significant net losses, including approximately $571,608 in 2021 and $616,527 in 2022. Taken together, these financial conditions support the conclusion that Tradewinds had limited practical ability to secure or support additional debt or equity capital on reasonable terms, reinvest in its system, or support long-term recovery as a stand-alone water and wastewater utility.

Tradewinds last filed an Annual Report for 2022. CSWR-Florida acquired the system from Tradewinds Utilities, Inc. on November 30, 2023, so CSWR-Florida's first full year of operating the system was 2024. Attached as **Exhibit 6** is a spreadsheet showing Tradewinds' utility operating expenses for 2022 along with CSWR-Florida's utility operating expenses for the last twelve months of actual costs ending December 31, 2025. The exhibit also includes projected utility operating expenses for the next five years. Accordingly, **Exhibit 6** shows the impact of the acquisition on the cost of providing service to customers of the system using actual data to the extent it is available and then projections for the remainder of the five years from acquisition.

As shown in **Exhibit 6**, following CSWR-Florida's acquisition annual operating costs have decreased compared to those of Tradewinds' previous owner, and these efficiencies are expected to continue throughout CSWR-Florida's ownership. The significantly larger size of CSWR's affiliate group, especially as compared to a utility like Tradewinds operating a single system,

enables CSWR-Florida to acquire and provide a host of goods and services at a substantially reduced unit cost. The types and quality of legal, managerial, accounting, engineering, financial, and other services CSWR provides to CSWR-Florida and its out-of-state affiliates are often not available to small utilities. And when such services are available, they are not available at the cost CSWR-Florida will pay for such services. In addition, under the cost allocation formula and procedure used by CSWR, CSWR-Florida pays less than 13 percent of the total cost of providing these services.

Because of its relative size and its affiliation with CSWR, CSWR-Florida and its customers get access to technologies and other resources that would either not be available to small standalone systems or would be available but at significantly higher costs. For example, CSWR-affiliated utilities use a computerized, work order-based maintenance management system that uses GPS and RFID technology to create virtual maps and ensure assigned work orders are timely completed. Customers have access to a 24/7/365 call center for questions, billing and payment issues, and emergency service calls. CSWR-affiliated utilities including CSWR-Florida use a cloud-based electronic billing and information portal that gives customers access to use, billing, and payment information.

Since acquiring the Tradewinds systems in 2023, CSWR-Florida has made significant plant and infrastructure additions to improve compliance and the quality of service to customers, and it has many more such additions planned for the future. For details on both completed and planned improvements, please refer to section III.10, above. Additionally, these upgrades are necessary regardless of ownership, as the previous owner would have been required to complete them as well. As a result, the cost increases shown in **Exhibit 6** reflect the essential nature of these upgrades and the associated costs of providing service over the five years following the acquisition, including expenses such as depreciation, which will increase over time as the facility's infrastructure continues to age.

If the Commission grants the $2,296,822 acquisition adjustment requested by this Petition, with a 30-year amortization the impact of the acquisition adjustment is projected to be ninety-seven cents ($0.97) per connection per month. This projection is based on the assumption that the acquisition adjustment would affect rates at a consolidated level for CSWR-Florida. On a standalone basis, the projected rate impact to customers of just the Tradewinds systems would be $31.77 per customer per month. As shown in Exhibit 6, that $31.77 standalone impact is calculated by applying the $2,296,822 acquisition adjustment request over the 888 ERUs of Tradewinds on a monthly basis, using the projected capital structure over the five-year period, which lowers the equity-funded portion of the adjustment and reduces the income-tax gross-up included in the revenue requirement. However, if CSWR-Florida's capital structure does not change and the adjustment remains treated as almost entirely equity-funded, the standalone rate impact would be $33.03 per customer, per month. CSWR-Florida acknowledges that any future rate increases for the system must be reviewed and approved by the Commission.

13. An explanation as to how the acquiring utility has greater access to capital than the acquired utility, if applicable

The prior owner's access to capital is unknown. The financial results in recent years suggest either an inability or unwillingness to access capital to improve the system for the benefit of customers. CSWR-Florida, through its ultimate parent company CSWR, has access to both debt and equity capital necessary to make required improvements and upgrades to the Tradewinds systems, in substantial amounts. CSWR has been able to secure both debt and equity capital necessary to purchase small, oftentimes distressed, water and wastewater systems, make investments necessary to bring those systems into compliance with applicable health, safety, and environmental protection laws and regulations, and also provide working capital necessary to operate the acquired systems until applications for compensatory rates can be prepared and prosecuted.

To date, CSWR has invested, through its affiliates including CSWR-Florida, more than $998 million to purchase, upgrade, and operate water and wastewater systems. This includes a capital investment in Florida of more than $86 million. Although CSWR's investment in Florida has to date been exclusively in the form of equity, the company recently secured a $325 million debt facility to balance the capital structure it uses to make the previously described investments.

In addition, at the appropriate time (i.e., sometime after the first general rate case) CSWR-Florida plans to pursue debt financing from non-affiliated commercial sources that would provide more balance to its internal capital structure. In contrast, as reflected in Tradewinds' annual reports for various years during the period 2018 through 2022 (see **Exhibit 4**), Tradewinds operated as a small, stand-alone water and wastewater utility with a narrow revenue base, substantial operation and maintenance expenses relative to revenue, and negative retained earnings in multiple years. Although Tradewinds reported positive net income in 2018 and 2019, its annual reports show that those isolated results were not sufficient to overcome the utility's broader financial weakness or provide meaningful accumulated earnings available to support system reinvestment. By 2022, accumulated depreciation represented approximately 76% of utility plant in service, and net utility plant had declined to approximately $435,470.

Although Tradewinds reported long-term debt of approximately $393,000 in 2022, that fact should not be viewed as evidence that the utility had meaningful access to external commercial capital. Instead, given the utility's small scale, aging asset base, negative retained earnings, negative net income, weak operating performance, and limited financial capacity, the 2022 Annual Report supports the conclusion that Tradewinds had limited practical ability to attract, support, or service additional financing from non-affiliated commercial sources on reasonable terms. Based on the declining net utility plant balance and high level of accumulated depreciation, much of the system's recorded service life had already been consumed, further limiting the utility's ability to rely on its remaining asset base to support financing for necessary improvements. These financial conditions would have limited Tradewinds' ability to attract debt or equity capital on reasonable terms in the amounts necessary to fund the improvements required to restore and maintain reliable water and wastewater service.

IV. BASIS FOR GRANTING THE PETITION (NON-VIABLE UTILITY)

As described below, CSWR-Florida satisfies each of the three elements related to the acquisition of a non-viable utility required by Rule 25-30.0371(3)(a), F.A.C., for an acquisition adjustment to be allowed.

1. The acquired utility meets the definition of a non-viable utility

As defined in Rule 25-30.0371(1)(e), F.A.C., a "non-viable utility" means a utility that meets either of the following subparagraphs:

> 1. A utility that is currently unable or is projected to be unable to provide and maintain safe, adequate, and reliable service and facilities to its customers over the 5-year period following the date of acquisition due to:
> a. Failure to comply with or history of enforcement or compliance actions by federal, state, or local regulatory agencies based on violations of primary or exceedance of secondary water quality standards or other health, safety, and environmental standards; and
> b. Insufficient investment, repair, maintenance of assets or an inability to acquire and maintain adequate managerial, operational, financial, or technical capabilities to ensure safe and reliable service to its customers; or
> 2. A utility that is insolvent, i.e., unable to pay debts.

Tradewinds satisfies each of the alternative definitions for a "non-viable utility." At the time CSWR-Florida acquired its water and wastewater systems, Tradewinds was both "unable or projected to be unable to provide and maintain safe, adequate, and reliable service and facilities to its customers" and was insolvent.

The first indicator of non-viability under the rule is a history of enforcement or compliance actions evidencing a failure to comply with federal, state, or local health, safety, or environmental regulations. Tradewinds' history of enforcement and compliance actions are discussed in section III.8. above. The types and pattern of violations during the five-year period immediately preceding the acquisition strongly suggests the same pattern of non-compliance would have continued had CSWR-Florida not acquired the systems.

The second indicator of non-viability is insufficient investment, repair, and maintenance of system assets or an inability to acquire and maintain adequate managerial, operational, financial, or technical capabilities to ensure safe and reliable service to customers. Tradewinds exhibited these deficiencies prior to the sale of the system to CSWR-Florida. Tradewinds' Annual Reports reveal that the utility had not made sufficient investment, repair, or maintenance to sustain safe and reliable water and wastewater service on a stand-alone basis. During the years leading up to acquisition, Tradewinds operated with a narrow revenue base, substantial O&M expenses relative to revenues, negative retained earnings in multiple years, and limited remaining financial capacity to support system reinvestment. Although Tradewinds reported positive net income in 2018 and 2019, those isolated results were not sufficient to overcome the utility's broader financial weakness. By 2022, Tradewinds reported utility plant in service of approximately $1.82 million,

accumulated depreciation of approximately $1.38 million, and net plant of approximately $435,470, meaning accumulated depreciation represented approximately 76% of utility plant in service. These financial and capital indicators are consistent with the condition of the system observed in the engineering assessment and help explain why Tradewinds lacked the practical ability, as a small stand-alone utility, to fund the repairs, maintenance, and upgrades necessary to provide safe, adequate, and reliable water and wastewater service.

In addition, Tradewinds' 2022 Annual Report reflected long-term debt of approximately $393,000, which almost certainly represents a shareholder loan. That debt should not be viewed as evidence that Tradewinds had meaningful access to external commercial capital or sufficient financial strength to fund needed system improvements. Rather, when considered together with the utility's limited revenues, negative retained earnings history, substantially depreciated plant, weak operating performance, and need for significant water and wastewater system improvements, the 2022 Annual Report supports the conclusion that Tradewinds lacked the practical ability to obtain, support, or service additional non-affiliated commercial financing on reasonable terms. These financial conditions limited Tradewinds' ability, as a small stand-alone utility, to fund the improvements necessary to restore and maintain safe, adequate, and reliable water and wastewater service.

As detailed in the independent engineering assessments CSWR-Florida commissioned as part of its pre-closing due diligence, at acquisition Tradewinds' water and wastewater systems needed significant capital investment. The water system study indicated that much of the condition of the drinking water facilities was fair and that many assets were at or near the end of its useful life, and that many years of insufficient investment, repair, and maintenance had left the system unable to reliably meet applicable regulatory requirements. The study for the wastewater system similarly found issues with the treatment asset, and also noted that the facility had failed to meet requirements for the Statewide Total Nitrogen agreed order, resulting in the need for significant improvement. This issue was ultimately addressed with the connection to Marion County. However, additional issues were noted regarding the collection system that still resulted in the recommendation for improvements to lift stations and collection system lines. There is no indication the prior owner had access to the capital or financial resources necessary to complete the significant water and wastewater improvements identified in the engineering assessment, including the improvements needed to address the former wastewater treatment facility's compliance issues and the remaining collection-system and lift-station deficiencies.

Finally, with respect to the second of the two alternative definitions of non-viability as specified in Rule 25-30.0371(1)(e)1.b.2., F.A.C. ("[a] utility that is insolvent, i.e., unable to pay debts"), the available information indicates that Tradewinds exhibited financial characteristics consistent with insolvency or, at minimum, an inability to support the debt obligations and capital investment necessary to maintain safe, adequate, and reliable service. Annual Reports filed by Tradewinds for the period 2018 through 2022 show utility operated with a narrow revenue base, substantial operating expenses relative to revenues, negative retained earnings in multiple years, and limited accumulated earnings available to support system reinvestment. Although Tradewinds reported positive net income in 2018 and 2019, those isolated results were not sufficient to

overcome the utility's broader financial weakness, including significant losses in 2021 and 2022. By 2022, Tradewinds' plant was substantially depreciated, with accumulated depreciation representing approximately 76% of utility plant in service and limited remaining net plant. The 2022 Annual Report also reflected long-term debt identified as a non-interest-bearing stockholder loan, which supports the conclusion that any financing reflected in the Annual Report was related-party support rather than evidence of meaningful access to non-affiliated commercial capital. Taken together, Tradewinds' limited revenues, accumulated deficit, weak operating performance, substantially depreciated plant, and reliance on related-party debt demonstrate that the utility lacked the practical financial capacity to fund needed repairs, replacements, and system improvements, or to obtain and service additional financing on reasonable commercial terms, without the support of a financially stronger utility owner.

2. CSWR-Florida's purchase of the Tradewinds water and wastewater system was part of an arms-length transaction

The purchase price and terms of sale were determined through arms-length negotiations between representatives of two non-affiliated and otherwise wholly independent parties: CSWR and Tradewinds. The parties entered into the *Purchase and Sale Agreement*, dated July 6, 2021, which includes a purchase price of $2,624,194 for all assets used by the seller to provide water and wastewater service to customers in Marion County.

3. Customers of the former Tradewinds water and wastewater system have benefited and will continue to benefit from the acquisition of the system by CSWR-Florida.

Rule 25-30.0371(3)(a), F.A.C., identifies six (6) factors the Commission is to consider in determining whether customers of the acquired utility benefit from the acquisition. The application of these factors show the benefit to customers of the former Tradewinds systems from the CSWR-Florida acquisition.

A. Anticipated improvements in quality of service

Since the acquisition by CSWR-Florida, there have been and will continue to be significant improvements in the quality of service, including the following, all of which benefit customers:

- Reduced risk of system failures. Customers have benefited and will continue to benefit from CSWR-Florida's significant investments in infrastructure upgrades and preventative maintenance programs that reduce the risk of catastrophic system failures and service that fails to meet customer needs and expectations. These improvements ensure safer, more reliable water systems, minimizing disruptions, and protecting public health and the environment.

- Appropriate staffing levels, by highly-qualified O&M personnel. CSWR-Florida may either (i) continue to develop and expand its in-house operations and maintenance capabilities within the state of Florida, or (ii) hire one or more unaffiliated operations and maintenance firms, preferably, local, with knowledgeable and experienced personnel who hold all Florida licenses necessary to manage daily operations of the

system. Whether O&M functions are performed in-house or through qualified third-party contractors, personnel responsible for day-to-day operations and maintenance must have and maintain all required state licenses and must perform services in accordance with standards prescribed by CSWR-Florida. These services include, but are not limited to, making a minimum of three weekly site visits, performing weekly inspections of the facilities' components, completing all routinely scheduled work orders, preparing and filing necessary reports with regulatory agencies to ensure ongoing compliance, and ensuring personnel are on-call 24/7 in case of any emergencies.

- Faster work order processing through technology. Operations and maintenance personnel will use cost-effective technologies to help improve service quality while minimizing costs. These technologies include a computerized, work order-based maintenance management system that uses GPS and RFID technology to ensure assigned work orders are timely completed. These off-the-shelf technologies are used by all CSWR-affiliated utilities, which allows CSWR-Florida to benefit from economies of scale not available to a single system like Tradewinds.

- Remote system monitoring. Implementation of remote monitoring technology that allows operators to continually monitor performance of system components. This allows operators to identify and remedy malfunctions before they adversely affect customer service.

- Better regulatory and permit compliance information, in real time. Implementation and use of an Environmental Management Information System that systematically obtains, processes, and makes available environmental information necessary to ensure the system complies with applicable law and permit limits.

- Better and faster system information to customers. CSWR-Florida employs a proactive communications strategy that enhances the quality and substance of information customers regularly receive about their system. This effort includes multiple communications devices – such as periodic letters or postcards, incorporating QR codes on bills for periodic updates, and a Florida-specific website – to keep customers informed regarding system operations and planned and completed system improvements.

- 24/7/365 call center for customers. Use of a well-staffed, centralized third-party call center that provides customers round-the-clock access to systems or personnel who can answer questions, deal with billing and payment issues, and receive emergency service calls. This call center is used by all CSWR-affiliated utilities, which allows CSWR-Florida to benefit from economies of scale not available to a small system like Tradewinds on a stand-alone basis.

- Electronic billing and information portal. Use of a cloud-based customer information and billing system (Muni-Link) that affords customers the ability to use electronic billing, online payment and bill processing, work-order management, and access to a

portal providing customer-specific usage, billing, and payment information. This system is also used by all CSWR-affiliated utilities, thus allowing CSWR-Florida to benefit from associated economies of scale.

- Customer service response monitoring. Use of a system that tracks key customer service metrics allowing CSWR's affiliated utilities to quickly identify and remedy problems in key metrics such as speed of answer, dropped or abandoned calls, and the time spent with a customer service representative. The system also employs a voluntary survey to gauge customer satisfaction following each customer service call.

B. Anticipated improvements in compliance with water or wastewater regulatory requirements

As demonstrated by its affiliated group's extensive track record around the country and CSWR-Florida's specific plans for the former Tradewinds systems, customers have experienced and can continue to anticipate substantial improvements in compliance with regulatory requirements. Based on the number of systems it owns, the number of systems it has purchased and brought into (and kept in) environmental compliance, and the experience of its personnel in rehabilitating distressed small water and wastewater utilities, CSWR is highly qualified, if not the most qualified utility in the United States, to bring the former Tradewinds systems into regulatory compliance. The CSWR group currently owns and operates more than 1,000 water and wastewater plants in eleven states. Since March 2015, CSWR-affiliated companies have, with the approval of the state water regulatory authorities, designed, permitted, and completed construction of numerous water system improvements. These include pressurization pump assemblies, drilling water wells, erecting or rehabilitating well houses, closing failed wells, blasting/coating water storage tanks, replacing meter pits with new meters, replacing or repairing numerous water distribution lines, installing numerous isolation valve systems, installing a large number of flush hydrants, repairing hundreds of leaking lines, and constructing or rehabilitating various other improvements to existing drinking water systems.

CSWR-Florida has made substantial and measurable progress improving distressed water and wastewater systems in Florida that were acquired with significant operational, infrastructure, and regulatory deficiencies. At acquisition, 30 of the 38 systems were out of compliance with FDEP regulations and three relied on purchased treatment. Of the 27 non-compliant treatment systems requiring CSWR-Florida's direct operations and capital response, 15 have already been restored to full compliance as acknowledged by communications from FDEP, and four additional systems have completed the necessary work and are awaiting final FDEP acknowledgement. In practical terms, CSWR-Florida has brought, or substantially brought, 19 of those 27 systems into environmental compliance. With respect to the remaining systems and outstanding compliance items, CSWR-Florida continues to work diligently and cooperatively with the FDEP to implement the corrective actions necessary to bring those systems into compliance. As those efforts proceed, CSWR-Florida will continue to prioritize the remaining compliance obligations, undertake appropriate interim measures where necessary, and advance long-term infrastructure solutions designed to achieve and maintain regulatory compliance.

That progress reflects the positive impact of the Company's investment, professional operations, and targeted rehabilitation efforts. Customers who previously received service from systems with long histories of noncompliance are now receiving, or are on the verge of receiving, environmentally compliant utility service. Although eight systems still require more extensive, long-term rehabilitation, those remaining systems involve major infrastructure deficiencies that cannot be corrected through minor repairs alone. CSWR-Florida is actively working with FDEP to design, permit, bid, and construct the improvements necessary to complete that compliance work.

CSWR-Florida has also made information available to customers and stakeholders regarding its completed and ongoing work to improve distressed water and wastewater systems in Florida, including a video highlighting the Company's community-impact efforts. That information is available at: https://centralstateswaterresources.com/cswr-florida-community-impact/#content.

Some systems the CSWR affiliate group acquires are in receivership because their owners were unable or unwilling to maintain their systems. CSWR's business plan has been and continues to be making investments in and taking the risks necessary to bring small water and wastewater systems into compliance with current statutes, rules, and regulations. Through its affiliates, like CSWR-Florida, CSWR has been able to acquire distressed, troubled, and/or undercapitalized systems, invest capital necessary to upgrade or repair physical facilities, and operate those systems in a way that satisfies customers, regulators, and investors alike.

As evidence of its capabilities, regulators in Missouri, Texas, Mississippi, Arizona, and Louisiana have asked CSWR and its utility affiliates to assume emergency operational responsibilities for distressed wastewater systems in those states. For example, CSWR-Texas acts as an emergency manager trusted by the Texas Public Utility Commission to take over some of the state's most troubled utilities. In Louisiana, CSWR was named as the first emergency manager for a water system by the Louisiana Department of Health, in addition to taking over more than a hundred systems pursuant to a Louisiana Department of Environmental Quality agreed Order addressing serious, ongoing environmental compliance issues. In Arkansas and Kentucky, environmental regulators requested CSWR's state affiliates to take over several distressed utilities. And in December 2021, the Arizona Corporation Commission authorized a CSWR affiliate to acquire distressed utilities, and approved incentives (including the opportunity to recover all or a significant portion of the difference between purchase price and net book value of acquired assets) for those acquisitions.

State regulators have expressly recognized and praised these efforts. In Missouri, both the Missouri Public Service Commission and the Missouri Department of Natural Resources ("MDNR") have recognized the solid track record of CSWR and its affiliates for acquiring, rehabilitating, maintaining, and operating troubled water and wastewater systems. In its Order approving one of the Missouri affiliate's acquisitions, the Missouri Commission noted that affiliate's "sound track record in rehabilitating similarly situated [i.e. troubled] systems" and its "ability to acquire, maintain, and operate the systems . . . to ensure safe and adequate service." In a June 2023 letter from the MDNR, that same affiliate was praised for its

> willingness to acquire systems with long-standing compliance issues [that] has proven to be beneficial to human health and the environment by bringing many of these systems into compliance with environmental laws. The Department looks forward to continuing to work with [the Missouri affiliate] as it continues to acquire wastewater and public water systems in Missouri, in furtherance of the Department's initiative to encourage regionalization and consolidation of the many private systems in Missouri that are struggling to achieve compliance with laws for the protection of public health and the environment.

Similar sentiments were expressed by the Mississippi State Department of Health in a March 14, 2023, letter to Mississippi Public Service Commissioner Brent Bailey. In that letter, the Department of Health stated:

> As you may be aware, Great River Utility Company [CSWR's Mississippi affiliate] has recently acquired several drinking water systems across the state. Great River Utility has worked closely with the [Bureau of Public Water Supply's] compliance and field staff to maintain compliance with the various rules and regulations of the Safe Drinking Water Act. A viable entity such as Great River Utility desiring to help problematic drinking water systems by investing in them for improved services to citizens is very appreciated and supported by the Bureau.

CSWR and CSWR-Florida will bring this same level of commitment to the Tradewinds systems. Specific renovation plans are described in section III.10 of the Petition Filing Requirements.

C. Anticipated impacts on the cost of providing service over the next 5 years from the date of acquisition

Please see section III.12. above for the anticipated impact on the cost of providing service over the next 5 years from the date of acquisition.

D. Anticipated cost efficiencies, including any economies of scale

Because of its significantly larger size, CSWR, on behalf of its affiliated utilities, can achieve economies of scale – i.e., lower unit costs for many goods and services necessary to operate a wastewater system – than are available to a small utility like Tradewinds on a stand-alone basis. These include services such as engineering, accounting, billing, legal, business planning, and operations management. Many of these services are rendered by employees of CSWR, whose costs are allocated to CSWR-Florida and its affiliates according to the Cost Allocation Manual. In addition, the size of the CSWR affiliate group allows it to purchase equipment and supplies in larger quantities, which allows the group to take advantage of vendor discounts available to large and repeat customers. Please also see section III.12. above for more information relating to economies of scale.

Being part of a large, affiliated group of utilities also allows CSWR-Florida to reap the benefits of operational efficiencies achievable through investments in technology and the

involvement of experienced and well qualified personnel in daily utility and back-office activities. None of these efficiencies would be available to a small utility like Tradewinds on a stand-alone basis.

E. Ability to attract capital at reasonable cost

The ability of CSWR and CSWR-Florida to attract capital at reasonable cost as outlined in section III.13. of the Petition Filing Requirements, ensures the necessary resources are available to make critical system improvements and upgrades. By securing a $325 million debt facility and strategically balancing its capital structure, CSWR has demonstrated its ability to provide funding for infrastructure investments while maintaining financial prudence. This approach benefits customers by enabling compliance with health, safety, and environmental regulations, ensuring reliable service, and promoting long-term system sustainability, all while mitigating the financial risks associated with distressed water and wastewater system like Tradewinds.

F. The professional and experienced managerial, financial, technical, and operational resources of the acquiring utility

The experience and expertise of CSWR's and CSWR-Florida's personnel regarding the technical and managerial of owning and operating a water utility are described in section III.7 of the Petition Filing Requirements above and the financial capabilities are described in section III.13.

V. NOTICE OF THE PETITION

Pursuant to rule 25-30.0371(8), F.A.C., attached as **Exhibit 7** is a draft notice for review by Commission staff. Once staff has approved the notice, CSWR-Florida will provide the notice as provided by the rule and file proof of noticing.

WHEREFORE, CSWR-Florida requests that the Commission grant this Petition and an acquisition adjustment of $2,296,822 to be amortized over 30 years.

Respectfully submitted this 13th day of August, 2026.

/s/ Thomas A. Crabb
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EXHIBIT 1

PURCHASE AND SALE AGREEMENT

THIS PURCHASE AND SALE AGREEMENT (*"Agreement"*) is made as of the 06 day of July, 2021 by and between CENTRAL STATES WATER RESOURCES, INC., a Missouri corporation, or its assigns (*"Buyer"*), and TRADEWINDS UTILITIES INC, BFF CORP. and C.F.A.T. H2O, INC., all of which are Florida corporations (collectively referred to as the *"Seller"*), collectively ("*Parties*").

ARTICLE I
ACQUISITION OF THE PROPERTY

Section 1.01 The Property. Subject to the terms and provisions of this Agreement, Seller agrees to sell to Buyer, and Buyer agrees to purchase from Seller, all of the following described property (the *"Property"*):

(a) All immovable property, including all right, title and interest therein, described in **EXHIBIT A**, to be attached hereto prior to the conclusion of the Feasibility Period (as hereafter defined) and made a part hereof, including but not limited to any mineral and other subsurface rights, together with all buildings and improvements located thereon, and all appurtenant rights relating thereto, including, but not limited to, warranties and guaranties, access easements and other easements and rights relating thereto, access to utilities, rights of way and similar rights located on or within or relating to any of the foregoing (collectively, the "*Immovable Property*");

(b) All movable property and intangible property used in connection with the ownership and/or operation of the Immovable Property, including, but not limited to, all such property described in **EXHIBIT B**, to be attached hereto prior to the conclusion of the Feasibility Period (as hereafter defined) and made a part hereof, however expressly excluding any and all cash, cash equivalents and banking deposits in existence prior to the Closing, any and all accounts receivable accrued prior to the Closing, and any customer deposits held by Seller (collectively, the "*Movable Property*");

(c) All of Seller's right, title, and interest in and to the area that the System (as defined below) services (the "*Service Area*"), as determined by Buyer and set forth in **EXHIBIT C,** to be attached hereto prior to the Closing (as hereinafter defined) and made a part hereof, including but not limited to, all real property interests such as easements, rights of way, permits and leases related to the System, and including any and all water and/or sewer facilities, equipment, lines, plants, pipes, manholes, meters, lift or pump stations and appurtenances; and

(d) All property or rights of whatever nature and kind that Seller owns which in any way is used or is useful in the operation of a water and sewer utility system located in Marion County, Florida (the "*System"*).

Section 1.02 Purchase Price.

(a) The purchase price (the *"Purchase Price"*) for the Property shall be **Four Million Five Hundred Thousand and 00/100 Dollars ($4,500,000.00)**. The reasonable allocation of the Purchase Price between the categories in Sections 1.01(a) and 1.01(b) of the Property shall be set forth in **EXHIBIT D** prior to the Closing.

(b) The Purchase Price less any Earnest Money shall be payable in cash at Closing by wired funds and shall be paid by Buyer to Seller (to the account notified by Seller to Buyer prior to the Closing Date) on the Closing Date as defined in Section 4.01.

Section 1.03 Earnest Money. Within fifteen (15) days after the Effective Date (as defined below), Buyer shall deposit with a title company of its choice (the *"Title Company"*) the sum of **One Hundred Thousand and 00/100 Dollars ($100,000.00)** as the earnest money under this Agreement (the "*Earnest Money*"). The Earnest Money shall be returned to Buyer or paid to Seller in accordance with the terms and conditions of this Agreement.

ARTICLE II
SURVEY AND TITLE REVIEW

Section 2.01 Survey. Buyer shall have the right, for its own benefit, to procure one or more ALTA surveys of the Immovable Property, subject to Section 2.03 (the *"Survey"*). The Survey shall be current, staked, and shall be made on-the-ground and signed, sealed, and certified in favor of Buyer by a duly licensed surveyor selected or approved by Buyer and receipt of the Survey by Buyer prior to Closing, subject to Section 2.03, is a condition to Closing. The cost of the Survey shall be borne by the Buyer.

Section 2.02 Title Insurance. The Buyer shall, within fifteen (15) days after the Effective Date, order and must receive prior to the Closing, subject to Section 2.03, as a condition to Closing, a commitment for title insurance and complete, legible copies of all exception documents (the "*Title Commitment*") issued by the Title Company covering the Immovable Property, binding the Title Company to issue to Buyer at Closing an owner's policy of title insurance paid for by Buyer (the "*Title Policy*") on the standard form of policy in the amount specified by Buyer insuring good, merchantable, and insurable fee simple title to the Immovable Property in Buyer, free and clear of all restrictions, easements, encumbrances, mortgages, liens, claims and other matters except any Permitted Exceptions as defined in Section 2.03.

Section 2.03 Buyer's Review. Buyer shall have until the expiration of the Feasibility Period to examine the Title Commitment and the Survey, and to deliver to Seller in writing Buyer's objections to any items contained or set forth in the Title Commitment or the Survey (the "*Unacceptable Exceptions*"). If Seller is unable or unwilling to eliminate and remove all of the Unacceptable Exceptions, then within fifteen (15) days after receipt of Buyer's written notice, Seller shall notify Buyer in writing of its inability or unwillingness to remove the Unacceptable Exceptions (and such notice shall set forth which Unacceptable Exceptions that Seller is unable or unwilling to remove) and Buyer may terminate this Agreement by giving written notice of such election delivered to Seller. If Buyer so terminates this Agreement, the Earnest Money shall be promptly returned to Buyer, after which neither Party shall have any further rights, duties or obligations hereunder, except as expressly provided in this Agreement to the contrary. If Buyer does not so terminate this Agreement after receiving Seller's written notice, then the Unacceptable Exceptions together with other exceptions not objected to by Buyer shall become Permitted Exceptions (the "*Permitted Exceptions*").

Section 2.04 Feasibility Period.

(a) Seller shall allow Buyer and its agents, employees, contractors, and consultants access to the Property to conduct soil and engineering tests, inspections of equipment, personal property, lines and other components of the System and to conduct any other tests Buyer deems necessary or appropriate in its sole and absolute discretion to determine the feasibility of the Property for Buyer's intended use (the "*Feasibility Study*"), for a period of **one hundred twenty (120) days** after the Effective Date (the "*Feasibility Period*"). Buyer shall bear all costs and expenses of its investigation and restore the Property to its condition prior to such investigation, ordinary wear and tear excepted.

(b) If Buyer finds the Property unacceptable for any reason or no reason, then Buyer, in its sole and absolute discretion, may terminate this Agreement by written notice to Seller on or before the expiration of the Feasibility Period. If Buyer so terminates this Agreement, the Title Company shall, upon demand by Buyer, promptly return the Earnest Money to Buyer and thereafter neither Party shall have any further rights, duties or obligations to the other hereunder.

(c) Seller shall deliver to Buyer within ten (10) business days after the Effective Date of this Agreement, the most recent title commitments, title policies, surveys, environmental site assessments, preliminary plats and site plans, any cross access and easement documents in connection with the Property, any development agreements affecting the Property, lease agreements affecting the Property, any customer lists for the System and any other documents Buyer may reasonably request related to the Property and/or the System.

Section 2.05 Other Termination Rights. In addition to any other rights and remedies set out herein (including but not limited to the termination rights in Sections 2.03, 2.04, 3.02(b) and 5.02), the Buyer shall have the right to terminate this Agreement as set out below:

(a) At any time up to and including the Closing Date if the regulatory bodies required to approve the sale of the System and the Property to the Buyer have not fully and unconditionally approved the sale upon the terms set out herein. In Buyer's sole and absolute discretion, Buyer may terminate this Agreement if the necessary regulatory approvals are not fully and unconditionally granted to Buyer in a form satisfactory to Buyer (as determined in Buyer's sole and absolute discretion) prior to the Closing by giving written notification of such termination to Seller, and upon such termination the Buyer shall receive a prompt return of the Earnest Money.

(b) In the event that, prior to the Closing, all or any portion of the Property is taken, condemned, expropriated, or made the subject of any eminent domain proceedings, or any of the foregoing is threatened (interchangeably, a "*Taking*"), Buyer may elect to either move to Closing and receive any Taking proceeds, plus an assignment of Seller's right, title, and interest thereto and claim therefor, as full satisfaction for the Taking, or Buyer may terminate this Agreement. Buyer shall notify Seller as to which option it elects within five (5) days prior to the Closing. If Buyer does not receive written notice of a Taking more than five (5) days prior to the Closing, the Closing Date shall be postponed to a date that is not less than five (5) days after Buyer's receipt of written notice of a Taking.

Section 2.06. Effect of Termination. Subject to Article V, upon the termination of this Agreement, the Title Company shall pay the Earnest Money to the appropriate party in accordance with the terms and conditions of this Agreement, and upon such payment being made the Parties shall have no further liability hereunder (except with respect to liabilities of Seller accruing prior to such termination and those obligations hereunder which survive the termination of this Agreement).

ARTICLE III
REPRESENTATIONS, WARRANTIES AND COVENANTS

Section 3.01 Representations, Warranties and Covenants of Seller. Seller hereby represents and warrants to Buyer that the facts recited below are true, complete and accurate as of the date hereof and will continue to be true, complete and accurate at Closing:

(a) Sellers are corporations duly formed and in good standing under the laws of the State of Florida, are qualified to conduct business in the State of Florida and have the requisite power and authority to enter into and to perform the terms of this Agreement without obtaining any further consents or approvals from, or the taking of any other actions with respect to, any third parties. Seller is not subject to any law, order, decree, restriction or agreement that prohibits or would be violated by this Agreement or the consummation of the transactions contemplated hereby. The execution and delivery of this Agreement and the consummation of the transaction contemplated hereby have been duly authorized by all requisite action of Seller. This Agreement constitutes, and each document and instrument contemplated hereby to be created and delivered by Seller, when executed and delivered, shall constitute the legal, valid, and binding obligation by Seller, enforceable against Seller in accordance with its respective terms (subject to bankruptcy, reorganization and other similar laws affecting the enforcement of creditors' rights generally).

(b) Neither the execution, delivery and performance of this Agreement, nor the consummation of the transactions contemplated hereby is in violation of any other agreement executed by Seller, is prohibited by, or requires Seller to obtain any consent, authorization, approval or registration under any law, statute, rule, regulation, judgment, order, writ, injunction or decree which is binding upon Seller, other than any regulatory approvals disclosed in writing to Buyer.

(c) Seller has and will have at Closing good, merchantable, and insurable title, in fee simple, to the Property, free and clear of all mortgages, liens, claims, or other encumbrances (except those required by the Title Company in the Title Commitment to be fully satisfied with the Purchase Price at the Closing).

(d) To be best of Seller's Knowledge there are no pending or threatened condemnation, liens, claims, other encumbrances, special assessments, or similar proceedings or charges affecting the Property or Seller by any governmental authority.

(e) Seller is not a foreign corporation, foreign partnership, foreign trust, or foreign estate, or non-resident alien for purposes of US income taxation, pursuant to Section 1445 of the Internal Revenue Code.

(f) Seller has not: (i) filed any voluntary or had involuntarily filed against it in any court or with any governmental body pursuant to any statute either of the United States or of any State, a petition in bankruptcy or insolvency or seeking to effect any plan or other arrangement with creditors, or seeking the appointment of a receiver; (ii) had a receiver, conservator or liquidating agent or similar person appointed for all or a substantial portion of its assets; (iii) suffered the attachment or other judicial seizure of all, or substantially all of its assets; (iv) given notice to any person or governmental body of insolvency; or (v) made an assignment for the benefit of its creditors or taken any other similar action for the protection or benefit of its creditors. Seller is not insolvent and will not be rendered insolvent by the performance of its obligations under this Agreement.

(g) There are no leases affecting any portion of the Property except such leases disclosed to Buyer in writing by Seller and there are no options, rights of first refusal or contracts granting any rights to acquire any right, title or interest in any portion of the Property, except as listed in the Title Commitment, if any.

(h) Seller has not received any notice of any violation of any ordinance, regulation, law or statute of any government agency or instrumentality pertaining to the Property and/or the System or any portion thereof which has not been complied with in all respects.

(i) There is no action, suit, proceeding or claim affecting Seller, the Property and/or the System, relating to or arising out of any lease, option or contract affecting the Property or the System, or the ownership, operation, use or occupancy of the Property or the System, pending or being prosecuted in any court or by or before any agency or other governmental instrumentality nor, to the best of Seller's Knowledge, has any such action, suit, proceeding or claim been threatened or asserted. There is no proceeding pending or presently being prosecuted in connection with the assessed valuation or taxes of other impositions payable in respect of any portion of the Property.

(j) No work has been performed or is in progress at, and no materials have been furnished to, the Property which might give rise to mechanic's, materialman's or other liens against the Property.

(k) The Property currently has or will have at Seller's sole cost and expense prior to the Closing cross access and easements rights and benefits providing pedestrian and vehicular access to and from the Property and all components within the System necessary to operate the same.

(l) The buildings and improvements, if any, that constitute part of the Immovable Property are structurally sound and there are no defects known to Seller that have not been disclosed to the Buyer in writing by Seller.

(m) To the best of Seller's Knowledge, there are no pending or contemplated zoning changes, variances, special zoning exceptions, conditions or agreements affecting, or potentially affecting the Property or any part thereof.

(n) Except as has been disclosed to Buyer in writing by Seller, the Property complies with all applicable laws of all governmental or quasi-governmental authorities having jurisdiction over, against or affecting the Property. Seller has not received written notice of any, and there are no violations of any laws, similar rules and regulations relating and/or applicable to the ownership, use and operation of the Property as it is now operated, and/or other licenses or permits, which remain uncured. All governmental or quasi-governmental occupancy and use permits, licenses, consents, approvals, permits, authorizations, certificates, and other requirements of the authorities necessary or required for the continued use and operation of the System and/or the Property for the purposes for which the same are intended (collectively, "*Approvals*"), if any, have been unconditionally and finally issued and paid for and are in full force and effect in accordance with the respective terms thereof. All work or conditions required to be performed or fulfilled pursuant to the Approvals (on or off-site) have been fully performed in accordance with the requirements thereof and the Property fully complies with the Approvals.

(o) To the best of Seller's Knowledge, there is no fact or condition which materially and adversely affects the business, operations, affairs, properties or condition of Seller or the Property, which has not been set forth

in this Agreement or in the other documents, certificates or written statements furnished to Buyer in connection with the transactions contemplated hereby.

(p) To the best of Seller's Knowledge, no representation or warranty made by Seller in this Agreement, in any Exhibit attached hereto, or in any letter or certificate furnished to Buyer pursuant to the terms hereof, each of which is incorporated herein by reference and made a part hereof, contains any untrue statement of a fact or omits to state a fact necessary to make the statements contained herein or therein not misleading.

(q) Environmental Matters.

(i) Except as disclosed on the attached **EXHIBIT E**, to be attached hereto at least thirty (30) days prior to the conclusion of the Feasibility Period and made a part hereof, to the best of Seller's Knowledge, the Property is currently and has been in compliance with all Environmental Laws (as defined below) and Seller has not received any: (i) Environmental Notice (as defined below) or Environmental Claim (as defined below); or (ii) written request for information pursuant to Environmental Law, which, in each case, either remains pending or unresolved, or is the source of ongoing obligations or requirements as of the Closing.

(ii) Except as disclosed on the attached **EXHIBIT F**, to be attached hereto at least thirty (30) days prior to the conclusion of the Feasibility Period and made a part hereof, to the best of Seller's Knowledge, Seller has obtained and is in material compliance with all Environmental Permits (as defined below) (each of which is disclosed on **EXHIBIT F**) necessary for operating the System or use of the Property and all such Environmental Permits are in full force and effect and shall be maintained in full force and effect by Seller through the Closing in accordance with Environmental Law, and Seller is not aware of any condition, event or circumstance that might prevent or impede, after the Closing, the operation of the System as currently conducted or the ownership, lease, operation or use of the Property. With respect to any such Environmental Permits, Seller has undertaken, or will undertake prior to the Closing, all measures necessary to facilitate transferability of the same, and Seller is not aware of any condition, event or circumstance that might prevent or impede the transferability of the same and has not received any Environmental Notice or written communication regarding any material adverse change in the status or terms and conditions of the same.

(iii) None of the Property is listed on, or to the best of Seller's Knowledge, has been proposed for listing on, the National Priorities List (or CERCLIS) under CERCLA (as defined below), or any similar state list.

(iv) To the best of Seller's Knowledge, there has been no Release of Hazardous Materials (as defined below) in contravention of Environmental Law with respect to the Property or any real property currently or formerly owned, leased or operated by Seller in connection with the System, and Seller has not received an Environmental Notice that any of the Property or real property currently or formerly owned, leased or operated by Seller in connection with the System (including soils, groundwater, surface water, buildings and other structure located thereon) has been contaminated with any Hazardous Material which could reasonably be expected to result in an Environmental Claim against, or a violation of Environmental Law or term of any Environmental Permit by, Seller.

(v) To the best of Seller's Knowledge, no underground storage tanks are located on the Immovable Property and no construction debris has been buried on or under the Immovable Property.

(vi) **EXHIBIT G**, to be attached hereto at least thirty (30) days prior to the conclusion of the Feasibility Period and made a part hereof, contains a complete and accurate list of all off-site Hazardous Materials treatment, storage, or disposal facilities or locations used by Seller and, to the best of Seller's Knowledge, any predecessors in connection with the System or the Property as to which Seller may retain liability, and none of these facilities or locations has been placed or proposed for placement on the National Priorities List (or CERCLIS) under CERCLA, or any similar state list, and Seller has not received any Environmental Notice regarding potential liabilities with respect to such off-site Hazardous Materials treatment, storage, or disposal facilities or locations used by Seller.

(vii) Seller has not retained or assumed, by contract or operation of Law, any liabilities or obligations of third parties under Environmental Law.

(viii) Seller has provided or otherwise made available to Buyer, within thirty (30) days of the Effective Date, and listed in **EXHIBIT H**, to be attached hereto within thirty (30) days of the Effective Date and made a part hereof: (i) any and all environmental reports, studies, audits, records, sampling data, site assessments, risk assessments, economic models and other similar documents with respect to the Property or any real property currently or formerly owned, leased or operated by Seller in connection with the System which are in the possession or control of Seller related to compliance with Environmental Laws, Environmental Claims or an Environmental Notice or the Release of Hazardous Materials; and (ii) any and all material documents concerning planned or anticipated capital expenditures required to reduce, offset, limit or otherwise control pollution and/or emissions, manage waste or otherwise ensure compliance with current or future Environmental Laws (including, without limitation, costs of remediation, pollution control equipment and operational changes).

(ix) Seller is not aware of nor reasonably anticipates, as of the Closing, any condition, event or circumstance concerning the Release or regulation of Hazardous Materials that might, after the Closing, prevent, impede or materially increase the costs associated with the ownership, lease, operation, performance or use of the System and Property as currently carried out.

Section 3.02 Covenants of Seller.

(a) Seller will own, operate, use and manage the System and the Property only in the ordinary course of business consistent with past practice and in any event will ensure that, any provisions of this Agreement to the contrary notwithstanding, (i) the physical and environmental condition of the Property is the same at the time of the Closing as it is as of the Effective Date, only ordinary wear and tear as to the physical condition excepted, and (ii) Seller's title to the Immovable Property and the survey condition of the Immovable Property is the same at the time of the Closing as it is as of the Effective Date, only improvements to the title condition or survey condition performed or undertaken by Seller to address Unacceptable Exceptions excepted.

(b) Seller shall maintain current hazard insurance in force on the Property until the Closing Date. The risk of loss to the Property shall not pass to Buyer unless and until delivery of possession of the Property is delivered to Buyer. If an event of casualty occurs to the Property prior to Closing, the Buyer may elect to either move to Closing and accept any insurance proceeds and deductible, plus an assignment of all of Seller's right, title, and interest in and to any and all insurance claims, as full satisfaction for the damage to the Property or the Buyer may terminate this Agreement. Buyer shall notify Seller as to which option it elects within five (5) days prior to the Closing, but if Buyer does not receive written notice of such casualty more than five (5) days prior to the Closing, the Closing Date shall be postponed to a date that is not less than five (5) days after Buyer's receipt of written notice of such casualty.

(c) Seller agrees to execute any documents required by the controlling governing authority to replat or rezone the Property.

(d) Seller agrees that from the Effective Date until either the termination of this Agreement or until after the Closing that Seller will not file any notices, requests, compliance documents, pleadings, or any other documents with any governmental or quasi-governmental authority that has jurisdiction over Seller in the operation, regulation or oversight of the System or any other endeavors of Seller (whether related to the System or not) without first providing at least ten (10) days prior notice to the Buyer for review and comment on such filing.

Section 3.03. Certain Definitions.

The following definitions apply in this Agreement:

(a) "*CERCLA*" means the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, 42 U.S.C. §§ 9601 et seq.

(b) "*Environmental Claim*" means any action, governmental order, lien, fine, penalty, or, as to each, any settlement or judgment arising therefrom, by or from any person alleging liability of whatever kind or nature (including liability or responsibility for the costs of enforcement proceedings, investigations, cleanup, governmental response, removal or remediation, natural resources damages, property damages, personal injuries, medical monitoring, penalties, contribution, indemnification and injunctive relief) arising out of, based on or resulting from: (a) the presence, Release (as defined below) of, or exposure to, any Hazardous Materials; or (b) any actual or alleged non-compliance with any Environmental Law or term or condition of any Environmental Permit.

(c) "*Environmental Notice*" means any applicable law, and any governmental order or binding agreement with any governmental authority: (a) relating to pollution (or the cleanup thereof) or the protection of natural resources, endangered or threatened species, human health or safety, or the environment (including ambient air, soil, surface water or groundwater, or subsurface strata); or (b) concerning the presence of, exposure to, or the management, manufacture, use, containment, storage, recycling, reclamation, reuse, treatment, generation, discharge, transportation, processing, production, disposal or remediation of any Hazardous Materials.

(d) "*Environmental Laws*" means any written directive, notice of violation or infraction, or notice respecting any Environmental Claim relating to actual or alleged non-compliance with any Environmental Law or any term or condition of any Environmental Permit. The term "Environmental Laws" includes, without limitation, the following (including their implementing regulations and any state analogs): the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, 42 U.S.C. §§ 9601 et seq.; the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended by the Hazardous and Solid Waste Amendments of 1984, 42 U.S.C. §§ 6901 et seq.; the Federal Water Pollution Control Act of 1972, as amended by the Clean Water Act of 1977, 33 U.S.C. §§ 1251 et seq.; the Toxic Substances Control Act of 1976, as amended, 15 U.S.C. §§ 2601 et seq.; the Emergency Planning and Community Right-to-Know Act of 1986, 42 U.S.C. §§ 11001 et seq.; the Clean Air Act of 1966, as amended by the Clean Air Act Amendments of 1990, 42 U.S.C. §§ 7401 et seq.; and the Occupational Safety and Health Act of 1970, as amended, 29 U.S.C. §§ 651 et seq.

(e) "*Environmental Permits*" means any permit, letter, clearance, consent, waiver, closure, exemption, decision or other action required under or issued, granted, given, authorized by or made pursuant to Environmental Law.

(f) "*Hazardous Materials*" means: (a) any material, substance, chemical, waste, product, derivative, compound, mixture, solid, liquid, mineral or gas, in each case, whether naturally occurring or manmade, that is hazardous, acutely hazardous, toxic, or words of similar import or regulatory effect under Environmental Laws; and (b) any petroleum or petroleum-derived products, radon, radioactive materials or wastes, asbestos in any form, lead or lead-containing materials, urea formaldehyde foam insulation and polychlorinated biphenyls.

(g) "*Knowledge*" or "*Seller's Knowledge*" means the actual knowledge of Seller and each of Seller's Representatives; in each case, after due inquiry.

(h) "*Release*" means any actual or threatened release, spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, abandonment, disposing or allowing to escape or migrate into or through the environment (including, without limitation, ambient air (indoor or outdoor), surface water, groundwater, land surface or subsurface strata or within any building, structure, facility or fixture).

(i) "*Representatives*" in relation to a person means such person's managers, shareholders, members, officers, directors, employees, agents, advisors, affiliates, successors, and permitted assigns and for the avoidance of doubt the Representatives of Seller.

Section 3.04 Indemnification. From and after the Closing, Seller shall defend, hold harmless and indemnify the Buyer and/or Buyer's Representatives (as defined below) (collectively, "*Indemnified Party*") from and against any and all losses, damages, diminutions in value, liabilities, deficiencies, claims, actions, judgements, settlements, interest, awards, penalties, fines, costs, or expenses of any kind, including professional fees and attorneys' fees, that are suffered or incurred by the Indemnified Party or to which the Indemnified Party may otherwise become

subject to at any time (collectively, "*Losses*") arising out of or as a result of: (i) any inaccuracy in or breach of any representation, warranty and/or covenant made by Seller in this Agreement; (ii) any breach or non-fulfillment of any covenant, agreement or obligation to be performed by Seller pursuant to this Agreement; (iii) any actual or alleged liability of Seller and/or Seller's Representatives, or any actual or alleged liability of Buyer that derives from any such liability of Seller and/or Seller's Representatives, whether such liability arises before or after the Closing; and (d) any claim by a third party based upon, resulting from or arising out of (A) the business, operations, properties, assets or obligations of Seller conducted, existing or arising on or prior to the Closing; (B) any inaccuracy in or breach of any representation or warranty made by Seller in this Agreement, or any breach or non-fulfillment of any covenant, agreement or obligation to be performed by Seller pursuant to this Agreement; (C) any negligent or more culpable act or omission of Seller or its Representatives (including any reckless or willful misconduct) in connection with the performance of its obligations under this Agreement; or (D) any failure by Seller or its Representatives to comply with any applicable federal, state or local laws, regulations or codes in the performance of its obligations under this Agreement. Notwithstanding anything to the contrary in this Agreement, Seller is not obligated to indemnify, hold harmless, or defend Indemnified Party against any claim (whether direct or indirect) if such claim or corresponding Losses arise out of or result from Indemnified Party's gross negligence or more culpable act or omission (including recklessness or willful misconduct).

Section 3.05 Representations, Warranties and Covenants of Buyer.

Buyer hereby represents and warrants to Seller that the facts recited below are true, complete and accurate as of the date hereof and will continue to be true, complete and accurate at the Closing:

(a) Buyer is a corporation duly formed and in good standing under the laws of the State of Missouri, is qualified to conduct business in the State of Missouri and has the requisite power and authority to enter into and to perform the terms of this Agreement without obtaining any further consents or approvals from, or the taking of any other actions with respect to, any third parties. Buyer is not subject to any law, order, decree, restriction or agreement that prohibits or would be violated by this Agreement or the consummation of the transactions contemplated hereby. The execution and delivery of this Agreement and the consummation of the transaction contemplated hereby have been duly authorized by all requisite action of Buyer. This Agreement constitutes, and each document and instrument contemplated hereby to be created and delivered by Buyer, when executed and delivered, shall constitute the legal, valid, and binding obligation by Buyer, enforceable against Buyer in accordance with its respective terms (subject to bankruptcy, reorganization and other similar laws affecting the enforcement of creditors' rights generally).

(b) Neither the execution, delivery and performance of this Agreement, nor the consummation of the transactions contemplated hereby is in violation of any other agreement executed by Buyer, is prohibited by, or requires Buyer to obtain any consent, authorization, approval or registration under any law, statute, rule, regulation, judgment, order, writ, injunction or decree which is binding upon Buyer, other than any regulatory approvals disclosed in writing to Seller.

ARTICLE IV
CLOSING

Section 4.01 Closing.

(a) Subject to the terms and conditions of this Agreement, the Closing of the purchase and sale of the Property pursuant to this Agreement (the *"Closing"*) shall take place at the Title Company forty-five (45) days after the later of the expiration of the Feasibility Period and the approval by any regulatory bodies in a form satisfactory to Buyer as set forth in more detail in Section 2.05(a), or (i) such earlier date as is elected by Buyer by giving not less than three (3) days prior notice to Seller, or (ii) such later date as agreed in writing by Seller and Buyer (the *"Closing Date"*).

(b) At the Closing, Seller shall deliver to Buyer the following:

(i) A certificate of good standing for Seller plus the requisite duly executed corporate approvals for the sale;

(ii) A general warranty deed in executed form, conveying good, merchantable, and insurable title in fee simple to all of the Immovable Property, free and clear of any and all mortgages, liens, encumbrances, claims, conditions, easements, assessments, and restrictions, except for the Permitted Exceptions, if any;

(iii) A duly executed bill of sale, conveying all of the Movable Property described in **EXHIBIT B**, free and clear of any and all mortgages, liens, claims, restrictions, and encumbrances;

(iv) A duly executed termination of lease, terminating any existing lease agreements encumbering or relating to the Property;

(v) A duly executed assignment of any interest in any other Property used and/or useful in the operation of the System that is owned by Seller;

(vi) Such other instruments and documents that are customarily executed by a seller of immovable property in the county in which the Property is located, including, but not limited to, resolutions or unanimous written consents of the Board of Directors of Seller, and if required the shareholders of Seller, to authorize the sale of the Property to Buyer pursuant to this Agreement;

(vii) Tax statements for calendar year of the Closing;

(viii) Possession of the Property;

(ix) If requested by Buyer, and to the extent assignable, duly executed, conveyances and assignments to Buyer of any and all consents, authorizations, variances, waivers, licenses, permits, and approvals from any federal, state, county, municipal, or other governmental or quasi-governmental agency, department, board, commission, bureau, or other entity or instrumentality relating to the Property, including, without limitation, those relating to environmental, foundation, use, utilities, building, fire, traffic, and zoning heretofore or hereafter held by or granted to Seller (collectively, the "*Approvals*"). No additional consideration shall be due by Buyer for the Approvals, it being understood and agreed by Seller that the Purchase Price covers the Property, the Approvals, and the Claims (as hereinafter defined); and

(x) If requested by Buyer, duly executed assignments to Buyer, with full substitution and subrogation, of any and all claims, actions, rights, causes of action, rights of action, and warranties, whether arising in contract, tort, or otherwise, including, but not limited to, environmental claims, actions, rights, causes of action, rights of action, and warranties, that Seller has or may have against any and all persons and entities as a result of any apparent or non-apparent damage to, destruction of, or diminution in value of the Property, or any part thereof, occurring prior to the Closing (collectively, the "*Claims*"). No additional consideration shall be due by Buyer for the Claims, it being understood and agreed by Seller that the Purchase Price covers the Property, the Approvals, and the Claims.

(c) At the Closing, Buyer shall deliver to Seller the following:

(i) The Purchase Price; and

(ii) Such other instruments and documents that are customarily executed by a buyer of immovable property in the county in which the Property is located.

Section 4.02 Closing Costs and Prorations. Buyer and Seller hereby covenant and agree that:

(a) Seller shall pay the costs of any roll back taxes, one-half (1/2) of the escrow fee charged by the Title Company, and Seller's attorneys' fees and expenses. Seller shall also pay all fees, costs, and expenses for title curative work and any other work that Seller agrees to perform or undertake in order to address any Unacceptable Exceptions and/or to otherwise enable Seller to sell and deliver to Buyer good, merchantable, and insurable fee simple title to the Property as required by this Agreement.

(b) Buyer shall pay all remaining title fees charged by the Title Company, recording fees, and Buyer's attorneys' fees.

(c) All ad valorem real estate taxes and assessments levied or assessed against the Property shall be prorated according to the calendar year as of the Closing Date, based on the most recent tax bill and assessments levied for the same.

ARTICLE V
DEFAULTS AND REMEDIES

Section 5.01 Buyer's Default and Seller's Remedies.

(a) Buyer's Default. Buyer shall be in default under this Agreement if and only if any and all conditions to be satisfied under the terms of this Agreement prior to the Closing have been satisfied (or duly waived) and Buyer fails or refuses to perform Buyer's obligations at the Closing for any reason other than a default by Seller. For the avoidance of doubt, a termination under Section 2.04 will not constitute an event of default by Buyer.

(b) Seller's Remedies. If Buyer is in default under this Agreement, the sole and exclusive remedy of Seller, shall be receipt of the Earnest Money. Buyer and Seller agree that in such case the Earnest Money shall be liquidated or stipulated damages under Florida law for a breach or default by Buyer under this Agreement and/or any other actions or claims that could arise out of or are related to this Agreement because of the difficulty, inconvenience, and uncertainty of ascertaining actual damages for such default. Therefore, in no event shall Buyer be liable for or Seller be entitled to any actual damages or any other type of damages or remedy under any action or claim that could arise out of or that could any way relate to this Agreement other than the right to receive the stipulated amount of the Earnest Money as full satisfaction of Seller's claims.

Section 5.02 Seller's Defaults and Buyer's Remedies.

(a) Seller's Defaults. Seller shall be in default under this Agreement on the occurrence of any of one or more of the following events:

(i) Any breach of a representation or warranty made by Seller in this Agreement or failure of any such representation or warranty to be true, accurate and complete; or

(ii) Any breach or non-fulfillment of any covenant, agreement or obligation to be performed by Seller pursuant to this Agreement.

(b) Buyer's Remedies. If Seller defaults under this Agreement (whether before or after the Closing or before termination or after termination in relation to provision that survive termination) Buyer may:

(i) If such default is identified prior to the Closing, terminate this Agreement by written notice to Seller and Title Company, in which event the Title Company shall promptly refund the Earnest Money to Buyer;

(ii) Enforce specific performance of this Agreement against Seller; and/or

(iii) Pursue such other remedies as may be available at law or in equity, including a suit for any damages and the right to recover attorneys' fees and costs.

Section 5.03 Attorneys' Fees. If either party defaults under this Agreement, and the non-defaulting party employs an attorney to enforce the terms hereof, such non-defaulting party shall be entitled to reasonable attorneys' fees and costs from the defaulting party.

Section 5.04 Survival. The provisions of this Section 5 and of Article III, Article VI, Article VII shall survive the termination of this Agreement. The provisions of Article III shall survive the Closing for a period of five

(5) years, except that the representations and warranties in Sections 3.01(a), (b), and (c), and Section 3.04 shall survive indefinitely. All other provisions of this Agreement shall survive Closing unless otherwise expressly stated.

ARTICLE VI
COMMISSIONS

Section 6.01 Commission. No commissions are due and/or owing for the procurement of this Agreement to any third parties. Seller shall defend, indemnify, and hold harmless Buyer from and against any and all claims by any person or entity for brokerage fees, brokerage commissions, finder's or other fees, which shall include, but shall not be limited to, any and all court costs, attorneys' fees and other costs and expenses relating thereto, alleged to be due to any broker and/or agent with whom Seller has dealt in connection with this Agreement or the sale of the Property to Buyer, and Buyer shall defend, indemnify, and hold harmless Seller from and against any and all claims by any person or entity for brokerage fees, brokerage commissions, finder's or other fees, which shall include, but shall not be limited to, any and all court costs, attorneys' fees and other costs and expenses relating thereto, alleged to be due to any broker and/or agent with whom Buyer has dealt in connection with this Agreement or the purchase of the Property by Buyer.

ARTICLE VII
MISCELLANEOUS PROVISIONS

Section 7.01 Effective Date of Agreement. The term "Effective Date" as used herein shall mean the date this Agreement has been fully executed by Seller and Buyer, as indicated by their signatures below, and a signed copy thereof is delivered to and acknowledged by the Title Company.

Section 7.02 Notices. All notices, demands and requests which may be given or which are required to be given by either party to the other, and any exercise of a right of termination provided by this Agreement, shall be in writing and shall be deemed effective when sent to the address or telecopy number of the party to receive such notice set forth below if effected by telecopy, e-mail or other electronic transmission, hand delivery, by Federal Express or other reputable courier service, or when deposited in any post office or mail receptacle regularly maintained by the United States Government, certified or registered mail, return receipt requested, postage prepaid, addressed as follows:

If to Buyer:
Josiah M. Cox, President
Central States Water Resources, Inc.
1650 Des Peres Road, Suite 303
St. Louis, MO 63131

with a copy to:
James A. Beckemeier
Beckemeier LeMoine Law
13421 Manchester Rd., Suite 103
Saint Louis, Missouri 63131
Phone: (314) 965-2277
Facsimile: (314) 965-0127
E-mail: jim@bl-stl.com

If to Seller:
Charles deMenzes, President
12601 SE Sunset Harbor Rd
Weirsdale, FL 32195
Attention:
Phone: 352-843-7790
Facsimile: 352-732-4366
E-Mail: charlie@altfo.com

with a copy to:

Deborah Dillon
PO Box 4230
Ocala, FL 34478-4230
Attention:
Phone: 352-208-4021
Facsimile: 352-732-4366
E-Mail: debbie@alternativephone.com

Section 7.03 Governing Law. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF FLORIDA AND ALL PROCEEDINGS OR OBLIGATIONS HEREUNDER SHALL BE MADE AND ARE PERFORMABLE IN MARION COUNTY, FLORIDA.

Section 7.04 Successors and Assigns. This Agreement shall apply to, inure to the benefit of and be binding upon and enforceable against the Parties hereto and their respective heirs, administrators, successors and assigns. Buyer shall have the right to assign this Agreement to another entity or affiliate by providing written notice to Seller of such assignment. However, Seller shall not have the right to assign this Agreement without the written consent of the Buyer.

Section 7.05 Counterparts and Amendments. This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, and all of which shall constitute but one and the same instrument. This Agreement may only be amended by a written document signed by each of the Parties hereto, which document shall make specific reference to this Agreement.

Section 7.06 Time. Time is of the essence in the performance of each term, condition, and covenant contained in this Agreement. No extension of time for performance of any obligation or act shall be deemed an extension of time for performance of any other obligation or act. If any date for performance of any term, condition or provision hereof shall fall on a Saturday, Sunday or legal holiday, then the time of such performance shall be extended to the next business day.

Section 7.07 Severability. This Agreement is intended to be performed in accordance with, and only to the extent permitted by, all applicable laws, ordinances, rules and regulations. If any provision of this Agreement or the application thereof to any person or circumstance shall, for any reason and to any extent, be invalid or unenforceable, the remainder of this Agreement and the application of such provision to other persons or circumstances shall not be affected thereby but shall be enforced to the greatest extent permitted by law.

Section 7.08 Entire Agreement. Buyer and Seller each acknowledges and agrees that at all times each have intended that none of the preliminary negotiations concerning this Agreement would be binding on any party. This Agreement and the Exhibits attached hereto prior to the Closing Date contain all the covenants, conditions, agreements and understandings between the Parties and shall supersede all prior covenants, conditions, agreements, letters of intent, term sheets, and understandings between Seller and Buyer with respect to the purchase and sale of the Property and all other matters contained in this Agreement.

Section 7.09 Final Exhibits. The legal description of the Immovable Property contained in the Survey shall be substituted for the legal description of the Immovable Property used in **EXHIBIT A** as of the date hereof without the necessity of the Parties executing any additional amendments to this Agreement. **EXHIBIT C** shall be included as part of this Agreement when, and in the form, notified to Seller by Buyer in writing. **EXHIBIT D** shall be included as part of this Agreement if and when it is in the form, agreed by Seller and Buyer in writing prior to Closing. With regard to **EXHIBITS E**, **F**, and **G**, in the event Seller fails to provide a list of all relevant information for the respective Exhibit at least thirty (30) days prior to the end of the Feasibility Period, Buyer will assume there is no such relevant information and the respective Exhibit will be marked "None."

Section 7.10 Buyer Exchange. Seller and Buyer agree to cooperate should the other elect to purchase the Property or other real property as part of a like-kind exchange under IRC section 1031. Any contemplated exchange shall not impose upon the cooperating party any additional liability or financial obligation, and Buyer or

Seller, as appropriate agrees to hold the other harmless from any liability that might arise from such exchange. This Agreement is not subject to or contingent upon either party's ability to acquire a suitable exchange property or effectuate an exchange. In the event any exchange contemplated by Buyer or Seller should fail to occur, for whatever reason, the sale of the Property shall nonetheless be consummated as provided herein.

Section 7.11 Rollback Taxes, Standby Fees and Special Assessments. If this sale results in the assessment after Closing of additional taxes, standby fees or special assessments for periods of Seller's ownership (including taxes assessed as a result of a change in ownership or usage), the additional taxes, fees or assessments plus any penalties and interest shall be paid by Seller to Buyer within fifteen (15) days of receipt by Buyer of a statement for such taxes, fees or assessments.

Section 7.12 Ambiguities Not to Be Construed against Party Who Drafted Agreement. The rule of construction that ambiguities in a document will be construed against the party who drafted it will not be applied in interpreting this Agreement.

Section 7.13 No Special Relationship. The Parties' relationship is an ordinary commercial relationship of seller and buyer, and they do not intend to create and have not created the relationship of principal and agent, partnership, joint venture, or any other special relationship.

Section 7.14 Confidentiality. The Parties will keep confidential this Agreement, this transaction, and all information learned in the course of this transaction, except to the extent disclosure is required by law or court order or to enable third parties to advise or assist Buyer to investigate the Property or either party to close this transaction.

Section 7.15 Business Day. As used in this Agreement, the term "business day" means Monday through Friday of each week, except for days on which banks in Marion County, Florida are closed for business. If the final date of any period which is set out any section of this Agreement falls upon a day which is not a business day, then, and in such event, the time of such period will be extended to the next business day.

Section 7.16 Further Assurances. From the date hereof, Seller and Buyer each agrees to do such things, perform such acts and make, execute, acknowledge and deliver such documents as may be reasonably necessary and customary to complete the transactions contemplated by this Agreement. In particular, Seller and Buyer each agrees to do such things as may be reasonably necessary with respect to the transfer of the Property.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed under proper authority and effective and binding as of the date first set above.

BUYER:

CENTRAL STATES WATER RESOURCES, INC.,
a Missouri corporation

By: Josiah Cox (Jul 6, 2021 13:11 MDT)
Josiah M. Cox, President

SELLER:

TRADEWINDS UTILITIES, INC.

By: Charles deMenzes

Name: Charles deMenzes

Title: President

BFF CORP.

By: Charles deMenzes

Name: Charles deMenzes

Title: President

C.F.A.T. H2O INC.

By: Charles deMenzes

Name: Charles deMenzes

Title: President

RECEIPT OF EARNEST MONEY

The undersigned Title Company hereby acknowledges its receipt of an executed copy of this Agreement and, the Earnest Money provided herein and, further, agrees to comply with and be bound by the terms and provisions of this Agreement, without demand, including, without limitation, those terms relating to the disposition of the Earnest Money.

_____
Name of Title Company

By:_____

Name: _____

Title: _____

Date: _____

EXHIBIT A

Description of the Immovable Property

(The legal description(s) of the Land, Improvements thereon, Easements, & Rights of Way shall be determined by survey and title commitments, which shall be inserted prior to the Closing).

[TO BE INSERTED PRIOR TO CONCLUSION OF THE FEASIBILITY PERIOD]

The following described lots, tracts or parcels of land, lying, being and situate in the County of Marion State of Florida:

All interests in land used or useful in operation of the Sewer and/or Water System that services the area set forth on **EXHIBIT C**, including but not limited to easements, rights of way and permits, and including the real property described in Commitment File No. [FILE NUMBER], issued by [TITLE COMPANY], as agent for [UNDERWRITER].

Tradewinds Utilities, Inc.

Parcel ID

15848-001-00	TRADEWINDS UTILITIES INC	Water Tower	Beta Map It+ 0869 9001 10.25 Acres
15845-000-02	TRADEWINDS UTILITIES INC	2925 NE 43rd PL	Beta Map It+ 1585 9001 2.00 Acres
15845-007-06	TRADEWINDS UTILITIES INC	2925 NE 43rd Pl	Beta Map It+ 1585 9001 0.25 Acre

CFAT H2o, Inc.

14503-000-15	C F A T H2O INC		Beta Map It+ 4654 9001 0.06 Acre
14503-000-03 I	C F A T H2O INC	7721 NE 22ND TER	Beta Map It+ 0874 9001 1.81 Acres
14503-000-05	C F A T H2O INC	Spray Field	Beta Map It+ 0874 9001 5.00 Acres
14503-000-06 I	C F A T H2O INC	7701 NE 22ND TER	Beta Map It+ 0874 9001 0.70 Acre
880838	C F A T H2O INC	1 TRACTS E,F,G LANDFAIR UNIT	Beta Map It+ 0000 9001 0.00

BFF Corp

810909	BFF CORP	840 NW 47TH ST	Beta Map It+ 0000 9002 0.00
12675-000-01	BFF CORP INC		Beta Map It+ 0191 9002 0.08 Acre

EXHIBIT B

Description of the Movable Property
(tools, devices, equipment, furniture, fixtures, machinery, supplies, and other tangible items)

[TO BE PROVIDED BY SELLER PRIOR TO CONCLUSION OF THE FEASIBILITY PERIOD]

All Property set forth herein shall be transferred to Buyer free and clear of all liens, pledges, leases, options, rights of first refusal, conditional sales agreements or any other such encumbrances.

All personal property comprising the Sewer System that services the area set forth on **EXHIBIT C**, including but not limited to, the sewer lines, pipes, lagoon(s), treatment plant(s), pump/lift station(s), tanks, meters, valves, and any other appurtenances of the Sewer System, and all machinery, equipment, supplies and other tangible items used in connection with the Sewer System; AND All personal property comprising the Water System that services the area set forth on **EXHIBIT C**, including but not limited to, the water lines, pipes, wells, well house, tanks, pumps, meters, valves, and any other appurtenances of the Water System, and all machinery, equipment, supplies and other tangible items used in connection with the Water System.

Additional Personal Property

EXHIBIT C

Service Area Map
(area in which the System service lines, plant, pipes, manholes, meters, lift or pump stations and appurtenances, utility facilities, etc. are located)

[SERVICE AREA MAP & LEGAL DESCRIPTION TO BE INSERTED PRIOR TO CLOSING]

EXHIBIT D
[Purchase Price Allocation]

[TO BE INSERTED PRIOR TO CLOSING]

EXHIBIT E

[Environmental Non-Compliance]

[TO BE PROVIDED BY SELLER THIRTY (30) DAYS PRIOR TO CONCLUSION OF THE FEASIBILITY PERIOD; IF NOT PROVIDED DURING THIS PERIOD, ASSUMED TO BE "NONE"]

EXHIBIT F

[List of Permits and Non-Compliance with Permits]

[TO BE PROVIDED BY SELLER THIRTY (30) DAYS PRIOR TO CONCLUSION OF THE FEASIBILITY PERIOD; IF NOT PROVIDED DURING THIS PERIOD, NON-COMPLIANCE WILL BE ASSUMED TO BE "NONE"]

EXHIBIT G

[Off-site Hazardous Materials Locations]

[TO BE PROVIDED BY SELLER THIRTY (30) DAYS PRIOR TO CONCLUSION OF THE FEASIBILITY PERIOD; IF NOT PROVIDED DURING THIS PERIOD, ASSUMED TO BE "NONE"]

EXHIBIT H

[Reports, Studies, Audits, Records, Data, Site Assessment, Economic Models, etc.]

[TO BE PROVIDED BY SELLER WITHIN THIRTY (30) DAYS OF THE EFFECTIVE DATE; IF NOT PROVIDED DURING THIS PERIOD, ASSUMED TO BE "NONE"]

Agreement for Sale of Utility System (Florida) (Tradewinds) (Dated)

Final Audit Report 2021-07-06

Created:	2021-07-06
By:	Kimberly Faulkner (kfaulkner@cswrgroup.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA9oQl0p27PGeSK5AOB97D6aS7ugB_dKMq

"Agreement for Sale of Utility System (Florida) (Tradewinds) (Dated)" History

Document created by Kimberly Faulkner (kfaulkner@cswrgroup.com)
2021-07-06 - 7:02:03 PM GMT- IP address: 136.52.4.11

Document emailed to Josiah Cox (jcox@cswrgroup.com) for signature
2021-07-06 - 7:02:33 PM GMT

Email viewed by Josiah Cox (jcox@cswrgroup.com)
2021-07-06 - 7:10:54 PM GMT- IP address: 69.7.122.46

Document e-signed by Josiah Cox (jcox@cswrgroup.com)
Signature Date: 2021-07-06 - 7:11:07 PM GMT - Time Source: server- IP address: 69.7.122.46

Agreement completed.
2021-07-06 - 7:11:07 PM GMT

Adobe Sign

EXHIBIT 2

TROW & DOBBINS, P.A.
1301 NE 14th Street, Ocala, Florida 34470

Sellers' Closing Statement

Date: November 30, 2023 File Number: CSWR-6629.1

Sellers: Tradewinds Utilities, Inc., a Florida corporation
BFF Corp., a Florida corporation f/k/a BARF, INC., a Florida corporation
C.F.A.T. H2O, INC., a Florida corporation

Buyers: CSWR-Florida Utility Operating Company, LLC

Property: Water System - Marion County, Florida

GROSS AMOUNT DUE TO SELLERS		
Purchase Price	$	4,500,000.00
Adjustments for Items Paid in Advance		
Florida DEP Drinking Water Annual Operating Fee - Tradewinds Utilities, Inc.	$	586.30
Florida DEP Drinking Water Annual Operating Fee - CFAT H2O, Inc.	$	586.30
Real Property Taxes & Assessments - Tradewinds Utilities, Inc. - 11/30/2023 thru 12/31/2023	$	17.06
Real Property Taxes & Assessments - C.F.A.T. H2O, Inc. - 11/30/2023 thru 12/31/2023	$	170.83
Real Property Taxes & Assessments - BFF Corp. - 11/30/2023 thru 12/31/2023	$	2.14
Tangible Personal Property Taxes - Tradewinds Utilities, Inc. - 11/30/2023 thru 12/31/2023	$	316.83
Tangible Personal Property Taxes - C.F.A.T. H2O, Inc. - 11/30/2023 thru 12/31/2023	$	122.54
Tangible Personal Property Taxes - BFF Corp. - 11/30/2023 thru 12/31/2023	$	40.89
Gross Amount Due to Sellers	**$**	**4,501,842.89**
Reductions in Amount Due to Sellers		
Certificates of Good Standing to Trow & Dobbins, P.A.	$	26.25
Reimburse Recording Fees to Trow & Dobbins, P.A. - Deed of Perpetual Easement	$	70.20
HOA Estoppel Fees to Countryside Estates First Addition Homeowners Association, Inc.	$	50.00
HOA Estoppel Fees to Countryside Estates First Addition Homeowners Association, Inc.	$	50.00
2023 Tangible Personal Property Taxes - Tradewinds Utilities, Inc.	$	3,613.85
2023 Tangible Personal Property Taxes - BFF CORP.	$	466.45
Total Reductions in Amount Due to Sellers	$	4,276.75
Cash at Settlement to/from Seller		
Gross Amount Due to Seller	$	4,501,842.89
Less Reductions in Amount Due to Sellers	$	4,276.75
Cash to Seller*	**$**	**4,497,566.14**

Net Proceeds division between Sellers:*

Tradewinds Utilities, Inc.	$	2,657,197.59
C.F.A.T. H2O, Inc.	$	1,440,800.72
BFF CORP.	$	399,567.83

***To be paid to accounts per Directive by Sellers**

TRADEWINDS UTILITIES, INC., a Florida corporation

By: _____
CHARLES DEMENZES,
its President

BFF CORP., a Florida corporation f/k/a BARF, INC., a Florida corporation

By: _____
CHARLES DEMENZES,
its President

C.F.A.T. H2O, INC., a Florida corporation

By: _____
CHARLES DEMENZES,
its President

TROW & DOBBINS, P.A.
1301 NE 14th Street, Ocala, Florida 34470

Buyer's Closing Statement

Date: November 30, 2023 File Number: CSWR-6629.1

Sellers: Tradewinds Utilities, Inc., a Florida corporation
BFF Corp., a Florida corporation f/k/a BARF, INC., a Florida corporation
C.F.A.T. H2O, INC., a Florida corporation

Buyers: CSWR-Florida Utility Operating Company, LLC

Property: Water System - Marion County, Florida

GROSS AMOUNT DUE FROM BUYER		
Purchase Price	$	4,500,000.00
Settlement or Closing Fee to Trow & Dobbins, P.A.	$	24,500.00
Additional Title Search Fees - A3 Commitment to Attorney's Title Fund Services, LLC	$	500.00
Municipal Lien Search to Gator Lien Search, LLC	$	1,869.00
Update to Municipal Lien Search to Gator Lien Search, LLC	$	770.00
Title Insurance to Old Republic National Title Insurance Company	$	19,151.10
Recording Fees to Marion County Clerk of Court - Deed from Tradewinds Utilities, Inc.	$	52.50
Recording Fees to Marion County Clerk of Court - Deed from BFF Corp.	$	27.00
Recording Fees to Marion County Clerk of Court - Deed from C.F.A.T H2O, Inc.	$	52.50
Recording Fees to Marion County Clerk of Court - Assignment of Deed of Perpetual Easement	$	27.00
Recording Fees to Marion County Clerk of Court - General Assignment - Tradewinds	$	52.50
Recording Fees to Marion County Clerk of Court - General Assignment - BFF CORP.	$	61.00
Recording Fees to Marion County Clerk of Court - General Assignment - C.F.A.T. H2O, INC.	$	52.50
Recording Fees to Marion County Clerk of Court - Assignment of Rights Under Lease	$	62.00
Recording Fees to Marion County Clerk of Court - Assignment of Contract Rights	$	61.00
Recording Fees to Marion County Clerk of Court - Assignment and Assumption Agreement	$	137.50
Deed State Tax/Stamps - Deed from Tradewinds Utilities, Inc.	$	18,620.00
Deed State Tax/Stamps - Deed from BFF Corp.	$	2,800.00
Deed State Tax/Stamps - Deed from C.F.A.T. H2O, Inc.	$	10,080.00
Certificate of Good Standing to Trow & Dobbins, P.A.	$	5.00
Adjustments for Items Paid in Advance		
Florida DEP Drinking Water Annual Operating Fee - Tradewinds Utilities, Inc.	$	586.30
Florida DEP Drinking Water Annual Operating Fee - CFAT H2O, Inc.	$	586.30
Real Property Taxes & Assessments - Tradewinds Utilities, Inc. - 11/30/2023 thru 12/31/2023	$	17.06
Real Property Taxes & Assessments - C.F.A.T. H2O, Inc. - 11/30/2023 thru 12/31/2023	$	170.83
Real Property Taxes & Assessments - BFF Corp. - 11/30/2023 thru 12/31/2023	$	2.14
Tangible Personal Property Taxes - Tradewinds Utilities, Inc. - 11/30/2023 thru 12/31/2023	$	316.83
Tangible Personal Property Taxes - C.F.A.T. H2O, Inc. - 11/30/2023 thru 12/31/2023	$	122.54
Tangible Personal Property Taxes - BFF Corp. - 11/30/2023 thru 12/31/2023	$	40.89
Gross Amount Due From Buyer	$	4,580,723.49

AMOUNTS PAID FOR, BY OR ON BEHALF OF BUYER		
Escrow Deposit	$	100,000.00
Total Paid by / for Buyer	$	100,000.00

CASH AT SETTLEMENT FROM/TO BUYER		
Gross Amount Due from Buyer	$	4,580,723.49
Less Amount Paid by / for Buyer	$	100,000.00
Cash From Buyer	**$**	**4,480,723.49**

BUYER:

CSWR-FLORIDA UTILITY OPERATING COMPANY, LLC, a Florida limited liability company

By: CENTRAL STATES WATER RESOURCES, INC., a Missouri corporation
Its: Manager

By: _____
JOSIAH M. COX, its President

EXHIBIT 3

Tradewinds SDWIS

Primacy Agency	PWS ID	PWS Name	Primary Source	Service Connections Count	Rule Name	Violation Type	Is Health Based	Is Major Violation	Compliance Period Begin Date	Compliance Period End Date	RTC Date	Compliance Status	V First Reported Date
Florida	FL3424620	TRADEWINDS VILLAGE	Ground water	487	Stage 2 Disinfectants and Disinfection Byproducts Rule	Monitoring and Reporting (DBP)	N	Y	01-Jan-2019	31-Dec-2019	18-Nov-2019	Returned to Compliance	20-Nov-2019
Florida	FL3424620	TRADEWINDS VILLAGE	Ground water	487	Stage 2 Disinfectants and Disinfection Byproducts Rule	Monitoring and Reporting (DBP)	N	Y	01-Jan-2019	31-Dec-2019	18-Nov-2019	Returned to Compliance	20-Nov-2019
Florida	FL3424620	TRADEWINDS VILLAGE	Ground water	487	Lead and Copper Rule	Follow-up Or Routine LCR Tap M/R	N		01-Jan-2020		02-Feb-2022	Returned to Compliance	16-Feb-2022
Florida	FL3424620	TRADEWINDS VILLAGE	Ground water	487	Stage 2 Disinfectants and Disinfection Byproducts Rule	Monitoring and Reporting (DBP)	N	Y	01-Jan-2022	31-Dec-2022	05-Feb-2024	Returned to Compliance	22-Nov-2022
Florida	FL3424620	TRADEWINDS VILLAGE	Ground water	487	Stage 2 Disinfectants and Disinfection Byproducts Rule	Monitoring and Reporting (DBP)	N	Y	01-Jan-2022	31-Dec-2022	05-Feb-2024	Returned to Compliance	22-Nov-2022

Summary: Disinfection byproduct monitoring violations 2019 and 2022, lead and copper rule monitoring violation

Tradewinds Water FDEP

FACILITY/SITE ID	DOCUMENT DATE	DATE RECEIVED	DOCUMENT TYPE	SUBJECT	FILE PATH
3424620	6/14/2019	6/14/2019	PERMIT APPLICATION RELATED	0080675-004 PHOENIX WOOD PRODUCTS APPLICATION	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1119238.1
3424620	6/20/2019	6/20/2019	PERMIT - FINAL	0080675-004-DSGP-PHOENIX WOOD PRODUCTS-PERMIT	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1120893.1
3424620	8/22/2019	8/22/2019	CLEARANCE RELATED	0080675-004-DSGP PHOENIX WOOD PROD CLEARANCE REQUEST	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142353.1
3424620	8/22/2019	8/22/2019	CLEARANCE RELATED	0080675-004 DSGP TOTAL CLEARANCE PHOENIX WOOD PRODUCTST RAI EI-007	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142490.1
3424620	8/23/2019	8/23/2019	CLEARANCE RELATED	SUBMISSION CONFIRMATION EMAIL FOR REQUEST FOR FINAL CLEARANCE OF PHOENIX WOOD PRODUCTS - 0080675-004-DSGP	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142556.1
3424620	8/23/2019	8/23/2019	CLEARANCE RELATED	FINAL CLEARANCE OF PHOENIX WOOD PRODUCTS - 0080675-004-DSGP	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142555.1
3424620	8/23/2019	8/23/2019	CLEARANCE RELATED	CLEARANCE FORM FOR PHOENIX WOOD PRODUCTS - 0080675-004-DSGP	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142557.1
3424620	8/23/2019	8/23/2019	CLEARANCE RELATED	ATTACHMENT FOR CLEARANCE REQUEST - PHOENIX WOOD PRODUCTS - 0080675-004-DSGP	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142553.1
3424620	8/23/2019	8/23/2019	CLEARANCE RELATED	ATTACHMENT FOR CLEARANCE REQUEST - PHOENIX WOOD PRODUCTS - 0080675-004-DSGP	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142552.1
3424620	8/23/2019	8/23/2019	CLEARANCE RELATED	ATTACHMENT FOR CLEARANCE REQUEST - PHOENIX WOOD PRODUCTS - 0080675-004-DSGP	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1142554.1
3424620	8/27/2019	8/27/2019	CLEARANCE RELATED	PERMIT #0080675-004-DSGP - PHOENIX WOOD PRODUCTS - CLEARANCE REQUEST	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1143254.1
3424620	6/4/2020	6/4/2020	REPAIRS - MAINTENANCE RELATED	2020-06-04 FLOW METER CALIBRATION	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1221888.1
3424620	6/10/2020	6/10/2020	INSPECTION RELATED	20-05-22 SS	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1223294.1
3424620	2/8/2022	2/8/2022	NONCOMPLIANCE RELATED	CAO FOR LATE REPORTING LEAD AND COPPER	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1397736.1
3424620	2/20/2022	2/20/2022	NONCOMPLIANCE RELATED	CAO RESPONSE	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1405071.1
3424620	2/21/2022	2/21/2022	REPAIRS - MAINTENANCE RELATED	2022 02 18 - FLOW METER CALIBRATION	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1402484.1
3424620	5/6/2022	5/6/2022	PERMIT APPLICATION RELATED	0080675-005 ARMSTRONG MILLWOOD ESTATES APPLICATION	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1428637.1
3424620	5/11/2022	5/11/2022	CLEARANCE RELATED	0080675-005-DS-MILLWOOD ESTATES-REVISED PAGE 1 OF THE APPLICATION	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1430481.1
3424620	5/11/2022	5/11/2022	PERMIT - FINAL	0080675-005-DS-MILLWOOD ESTATES	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1430161.1
3424620	5/26/2022	5/26/2022	INCIDENT OR MALFUNCTION REPORTING	2022 05 25 PBWN DUE TO BROKEN MAIN	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1435693.1
3424620	12/6/2022	12/6/2022	INSPECTION RELATED	221115 SS & CAO	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1493099.1
3424620	1/30/2023	1/30/2023	INCOMING CORRESPONDENCE	RESPONSE TP 221206 CAO	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1515930.1
3424620	2/20/2023	2/20/2023	INCOMING CORRESPONDENCE	FLUSHING DOCS. FOR 221206 CAO	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1516501.1
3424620	5/22/2023	5/22/2023	INCOMING CORRESPONDENCE	DISTRIBUTION MAPS FOR 221206 CAO	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1547878.1
3424620	5/24/2023	5/24/2023	CLOSURE RELATED	RTC FOR 221206 CAO	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1548561.1
3424620	7/31/2023	7/31/2023	CROSS CONNECTION CONTROL RELATED	2022 CCR & COD	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1567987.1
3424620	8/2/2023	8/2/2023	CLEARANCE RELATED	0080675-005-DS - MILLWOOD ESTATES - CLEARANCE REQUEST	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1568026.1
3424620	8/4/2023	8/4/2023	CLEARANCE RELATED	0080675-005-DS-MILLWOOD ESTATES-TOTAL CLEARANCE	https://prodenv.dep.state.fl.us/DepStaging/api/dms/32.1568770.1

Tradewinds Wastewater FDEP

FACILITY/SITE ID	DOCUMENT DATE	DATE RECEIVED	DOCUMENT TYPE	SUBJECT	FILE PATH
FLA010699	6/24/2019	6/24/2019	REPORTS RELATED	2019-06 BMAP AO PROGRESS REPORT	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.789660.1
FLA010699	7/8/2020	7/8/2020	PERMIT APPLICATION RELATED	FLA010699-006 TRADEWINDS WWTF RENEWAL APPLICATION	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.901283.1
FLA010699	7/16/2020	7/16/2020	PERMIT APPLICATION RELATED	FLA010699-006 TRADEWINDS WWTF RAI	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.903026.1
FLA010699	8/3/2020	8/3/2020	WARNING LETTER	200714 COMPLIANCE EVALUATION INSPECTION AND WARNING LETTER	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.908098.1
FLA010699	8/4/2020	8/4/2020	INCOMING CORRESPONDENCE	WL RESPONSE	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.910582.1
FLA010699	8/13/2020	8/13/2020	PENALTY AUTHORIZATION RELATED	PRM APPROVAL OGC 20-1413	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.993348.1
FLA010699	9/24/2020	9/24/2020	PENALTY AUTHORIZATION RELATED	OGC 20-1413 PENALTY	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1118370.1
FLA010699	9/24/2020	9/24/2020	PENALTY AUTHORIZATION RELATED	OGC 20-1413 PEER REVIEW	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1118371.1
FLA010699	10/6/2020	10/6/2020	PERMIT APPLICATION RELATED	FLA010699-006 TRADEWINDS WWTF INCOMPLETE RESPONSE LETTER	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.924062.1
FLA010699	10/9/2020	10/9/2020	PERMIT APPLICATION RELATED	0393344-001 PEARL BRITAIN PLAZA APPLICATION	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.925409.1
FLA010699	10/12/2020	10/12/2020	REQUEST FOR ADDITIONAL INFORMATION	PEARL BRITAIN PLAZA CS 0393344-001 TRADEWINDS FLA010699 RAI 1	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.925660.1
FLA010699	10/13/2020	10/13/2020	REQUEST FOR ADDITIONAL INFORMATION	PEARL BRITAIN PLAZA CS 0393344-001 TRADEWINDS FLA010699 RAI 2	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.925661.1
FLA010699	10/14/2020	10/14/2020	PERMIT - FINAL	0393344-001 - PEARL BRITAIN PLAZA	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.925984.1
FLA010699	10/14/2020	10/14/2020	REQUEST FOR ADDITIONAL INFORMATION	PEARL BRITAIN PLAZA CS 0393344-001 TRADEWINDS FLA010699 RAI 3	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.925870.1
FLA010699	10/22/2020	10/22/2020	PERMIT APPLICATION RELATED	FLA010699-006-DW3P/NR TRADEWINDS WWTF RAI RESPONSE	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.928278.1
FLA010699	2/5/2021	2/5/2021	CONSENT ORDER	LFCO DRAFT	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.960619.1
FLA010699	9/1/2021	9/1/2021	CLOSURE RELATED	FACILITY DECOMMISSIONING - GUIDANCE TO ABANDON MONITOR WELLS	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1019026.1
FLA010699	9/7/2021	9/7/2021	CLEARANCE RELATED	TOTAL CLEARANCE OF PEARL BRITAIN PLAZA 0393344-001-DWC/CG	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1020122.1
FLA010699	9/7/2021	9/7/2021	CLEARANCE RELATED	TOTAL CLEARANCE OF PEARL BRITAIN PLAZA 0393344-001-DWC/CG	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1020121.1
FLA010699	9/7/2021	9/7/2021	CLEARANCE RELATED	NOTIFICATION RECEIPT FOR TOTAL CLEARANCE OF PEARL BRITAIN PLAZA 0393344-001-DWC/CG	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1020123.1
FLA010699	5/26/2022	5/26/2022	INCOMING CORRESPONDENCE	FINAL ABANDONMENT PLAN	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1096027.1
FLA010699	9/21/2022	9/21/2022	CONSENT ORDER	OGC 20-1413 SFCO (CONNECTED)	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1127408.1
FLA010699	10/6/2022	10/6/2022	CONSENT ORDER	OGC 20-1413 EXECUTED SFCO	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1131051.1
FLA010699	10/21/2022	10/21/2022	INCOMING CORRESPONDENCE	OGC 20-1413 PAYMENT	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1136786.1
FLA010699	10/31/2022	10/31/2022	CASE CLOSURE RELATED	OGC 20-1413 CLOSURE	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1138564.1
FLA010699	12/2/2022	12/2/2022	INSPECTION RELATED	221115 RI & CL	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1146305.1
FLA010699	2/14/2023	2/14/2023	REPORTS RELATED	WELL ABANDONMENT COMPLETION REPORT	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1169782.1
FLA010699	4/10/2023	4/10/2023	FACILITY - SITE INFORMATION	2023 04 04 APPLICATION FOR AUTHORITY TO TRANSFER WATER AND WASTE WATER CERTIFICATIONS	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1183159.1

Summary: failed to make improvements for TN, chronic TSS violations, chronic maintenance issues they failed to address, resolved by decomissioning and connecting to Marion

Tradewinds Water FDEP

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

Notification of Acceptance of Use of a General Permit

Permittee:
David Preston, Agent
Phoenix Wood Properties, LLC
3761 NE 36th Avenue
Ocala, FL 34479
davidpreston@phoenixwood.com

Permit Number: 0080675-004-DSGP
Issue date: June 20, 2019
Expiration Date: June 19, 2024
County: Marion
Project Name: Phoenix Wood Products
Water Supplier: Tradewinds Utility
PWS ID: 3424620
PWS Type: Community

Dear Mr. Preston:

On June 14, 2019, the Florida Department of Environmental Protection received a "*Notice of Intent to Use the General Permit for Construction of Water Main Extensions for PWSs*" [DEP Form No. 62-555.900(7)], under the provisions of Rule 62-4.530 and Chapter 62-555, Florida Administrative Code (F.A.C.). The proposed project includes the construction of approximately 384 linear feet of 8-inch PVC water main with fittings, valves and appurtenances to serve Phoenix Wood Products. The project is located east of N.E 36th Avenue and north of N.E. 40th Place in Marion County.

Based upon the submitted Notice and accompanying documentation, this correspondence is being sent to advise that the Department does not object to the use of such general permit at this time. Please be advised that the permittee is required to abide by Rule 62-555.405, F.A.C., all applicable rules in Chapters 62-4, 62-550, 62-555, F.A.C., and the General Conditions for All General Drinking Water Permits (found in 62-4.540, F.A.C.).

The permittee shall comply with all sampling requirements specific to this project. These requirements are attached for review and implementation.

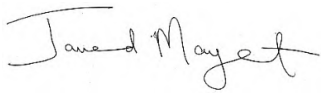
Pursuant to Rule 62-555.345, F.A.C., the permittee shall submit a certification of construction completion [DEP Form No. 62-555.900(9)] to the Department and obtain approval, or clearance, from the Department before placing any water main extension constructed under this general permit into operation for any purpose other than disinfection or testing for leaks.

Within 30 days after the sale or legal transfer of ownership of the permitted project that has not been cleared for service in total by the Department, both the permittee and the proposed permittee shall sign and submit an application for transfer of the permit using Form 62-

555.900(8), F.A.C., with the appropriate fee. The permitted construction is not authorized past the 30-day period unless the permit has been transferred.

This permit will expire five years from the date of issuance. If the project has been started and not completed by that time, a new permit must be obtained before the expiration date in order to continue work on the project, per Rule 62-4.030, F.A.C.

Sincerely,



Javed Mayet, P.E.
Engineering Specialist II
Florida Department of Environmental Protection

cc: Charles DeMenzes, Tradewinds Utilities [charlie@altfo.com]
Davis Dinkins, P.E., Davis Dinkins Engineering PA [davis@dinkinsengineering.com]
Javed Mayet, Reggie Phillips, FDEP

CLEARANCE REQUIREMENTS

Requirements for clearance upon completion of projects are as follows:

1) **Clearance Form**
Submission of a fully completed Department of Environmental Protection (DEP) Form 62-555.900(9) *Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation* and a copy of this general permit notification.

2) **Record Drawings, if deviations were made**
Submission of the portion of record drawings showing deviations from the DEP construction permit, including preliminary design report or drawings and specifications, if there are any deviations from said permit (Note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings.).

3) **Bacteriological Results**
Copies of satisfactory bacteriological analysis (a.k.a. Main Clearance), taken within sixty (60) days of completion of construction, from locations within the distribution system or water main extension to be cleared, in accordance with Rules 62-555.315(6), 62-555.330, and 62-555.340, F.A.C. and American Water Works Association (AWWA) Standard C 651-92, as follows:

- The proposed main at the point of connection to the existing main.

Each location shall be sampled on two consecutive days, with sample points and chlorine residual readings clearly indicated on the report. **A sketch or description of all bacteriological sampling locations must also be provided.**

Please submit the entire clearance document package in electronic format to DEP_CD@dep.state.fl.us. If the file is very large, you may post it to the Water Electronic Submittal folder on the Central District's ftp site at:
ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Water%20Electronic%20Applications.

After posting the document, send an e-mail to DEP_CD@dep.state.fl.us, alerting the Department that it has been posted.

Any submitted drawings (should be sized 11" x 17") and the engineer of record's signed seal and dates on the required document must be legible for acceptance.

Forms: http://www.dep.state.fl.us/water/drinkingwater/forms.htm

For further clarification contact: Javed Mayet,
Suite 232
3319 Maguire Boulevard,
Orlando, Florida 32803-3767
(407) 897-4128

10605 650 - OR

DAVIS DINKINS ENGINEERING, P.A.

2201 SE 30TH AVE, SUITE 302-1
OCALA, FLORIDA 34471

352.854.5961 (PHONE)
352.854.5991 (FAX)

June 13, 2019

Mr. Richard Lott, P.G., P.E.
Manager Drinking Water Program
Florida Department of Environmental Protection
Central Florida District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: MARION COUNTY
"PHOENIX WOOD PRODUCTS"
WATER DISTRIBUTION EXTENSION PERMIT

Dear Mr. Lott:

We have enclosed one (1) "Notice of Intent to use The General Permit For Construction Of Water Main Extensions For PWSs" [DEP Form No: 62-555.900(7)], together with one highlighted, signed and sealed "Utility Location Sketch" for your review. Also enclosed is a check in the amount of $650.00 for the required application fee.

Please do not hesitate to call if you have any questions, or need additional information.

Sincerely,

Davis L. Dinkins P.E.

Enclosures

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JUN 14 2019
DEP Central District

NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWSs

INSTRUCTIONS: This notice shall be completed and submitted by persons proposing to construct projects permitted under the "General Permit for Construction of Water Main Extensions for Public Water Systems" in Rule 62-555.405, F.A.C. AT LEAST 30 DAYS BEFORE BEGINNING CONSTRUCTION OF A WATER MAIN EXTENSION PROJECT, complete and submit one copy of this notice to the appropriate Department of Environmental Protection (DEP) District Office or Approved County Health Department (ACHD) along with payment of the proper permit processing fee. (When completed, Part II of this notice serves as the preliminary design report for a water main extension project, and thus, it is unnecessary to submit a separate preliminary design report or drawings, specifications, and design data with this notice.) All information provided in this notice shall be typed or printed in ink. The DEP permit processing fee for projects requiring the services of a professional engineer during design is $650, and the DEP permit processing fee for projects not requiring the services of a professional engineer during design is $500.* Some ACHDs charge a county permit processing fee in addition to the DEP permit processing fee. Checks for permit processing fees shall be made payable to the Department of Environmental Protection or the appropriate ACHD. NOTE THAT A SEPARATE NOTIFICATION AND A SEPARATE PERMIT PROCESSING FEE ARE REQUIRED FOR EACH NON-CONTIGUOUS PROJECT.†

* *Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more professional engineers licensed in Florida.*

† *Non-contiguous projects are projects that are neither interconnected nor located nearby one another (i.e., on the same site, on adjacent streets, or in the same neighborhood).*

I. General Project Information

A. Name of Project: PHOENIX WOOD PRODUCTS

B. Description of Project and Its Purpose:

+/- 383.4 LF of 8" P.V.C (SDR 14) Fire Line

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DEP Central District

C. Location of Project
1. County Where Project Located: Marion
2. Description of Project Location:

D. Estimate of Cost to Construct Project: +/- $25,000.00

E. Estimate of Dates for Starting and Completing Construction of Project:
June 2019-June 2020

F. Permittee

PWS/Company Name: Phoenix Wood Properties, LLC		PWS Identification No.:*	
PWS Type:* ☐ Community ☐ Non-Transient Non-Community		☐ Transient Non-Community	☐ Consecutive
Contact Person: David Preston		Contact Person's Title:	
Contact Person's Mailing Address: 3761 NE 36th Ave.			
City: Ocala	State: FL	Zip Code: 34479	
Contact Person's Telephone Number: 352-622-1131		Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com			

* *This information is required only if the permittee is a public water system (PWS).*

G. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilitites		PWS Identification No.:	
PWS Type: ☒ Community ☐ Non-Transient Non-Community		☐ Transient Non-Community	☐ Consecutive
PWS Owner:			
Contact Person: Charles DeMenzes		Contact Person's Title: President	
Contact Person's Mailing Address: PO Box 5220			
City: Ocala	State: FL	Zip Code: 34478	
Contact Person's Telephone Number: 352-622-4949		Contact Person's Fax Number: 352-732-4366	
Contact Person's E-Mail Address: charlie@altfo.com			

NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWSs

Project Name: PHOENIX WOOD PRODUCTS	Permittee: PHOENIX WOOD PROPERTIES, LLC

H. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation

PWS Name: Phoenix Wood Properties, LLC		PWS Identification No.:*
PWS Type:* ☒ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: David Preston	Contact Person's Title:	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the owner/operator is an existing PWS.*

I. Professional Engineer(s) or Other Person(s) in Responsible Charge of Designing Project*

Company Name: Davis Dinkins Engineering P.A.		
Designer(s): Davis Dinkins, P.E.	Title(s) of Designer(s): President	
Qualifications of Designer(s): ☒ Professional Engineer(s) Licensed in Florida – License Number(s): 60058 ☐ Public Officer(s) Employed by State, County, Municipal, or Other Governmental Unit of State† ☐ Plumbing Contractor(s) Licensed in Florida – License Number(s):^		
Mailing Address of Designer(s): 2201 SE 30th Avenue, Suite 302-1		
City: Ocala	State: FL	Zip Code: 34471
Telephone Number of Designer(s): 352-854-5961	Fax Number of Designer(s): 352-854-5991	
E-Mail Address(es) of Designer(s): davis@dinkinsengineering.com		

* *Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more professional engineers licensed in Florida.*

† *Attach a detailed construction cost estimate showing that the cost to construct this project is $10,000 or less.*

^ *Attach documentation showing that this project will be installed by the plumbing contractor(s) designing this project, documentation showing that this project involves a public water system serving a single property and fewer than 250 fixture units, and a detailed construction cost estimate showing that the cost to construct this project is $50,000 or less.*

II. Preliminary Design Report for Project*

A. Service Area, Water Use, and Service Pressure Information

1. Design Type and Number of Service Connections, and Average Daily Water Demands and Maximum-Day Water Demands, in the Entire Area to Be Served by the Water Mains Being Constructed Under this Project:

A = Type of Service Connection	B = Number of Service Connections	C = Average Daily Water Demand Per Service Connection, gpd	D = Total Average Daily Water Demand[a], gpd (Columns BxC for Residential Service Connections)	E = Total Maximum-Day Water Demand[b], gpd
Single-Family Home			0	
Mobile Home			0	
Apartment			0	
Commercial, Institutional, or Industrial Facility[a]	1			
Total	1			

a. Description of Commercial, Institutional, or Industrial Facilities and Explanation of Method(s) Used to Estimate Average Daily Water Demand for These Facilities:

N/A Extension is for a dedicated fire line without service connection proposed.

b. Explanation of Peaking Factor(s) or Method(s) Used to Estimate Maximum-Day Water Demand:

N/A

2. Explanation of Peaking Factor(s) or Method(s) Used to Estimate Design Peak-Hour Water Demand and, for Small Water Systems that Use Hydropneumatic Tanks or that Are Not Designed to Provide Fire Protection, Peak Instantaneous Water Demand:

   N/A

3. Design Fire-Flow Rate and Duration:
   +/- 500 GPM for 2 hours
4. Design Service Pressure Range:
   40-60 psi

B. Project Site Information

1. ATTACH A SITE PLAN OR SKETCH SHOWING THE SIZE AND APPROXIMATE LOCATION OF NEW OR ALTERED WATER MAINS, SHOWING THE APPROXIMATE LOCATION OF HYDRANTS, VALVES, METERS, AND BLOW-OFFS IN SAID MAINS, AND SHOWING HOW SAID MAINS CONNECT TO THE PUBLIC WATER SYSTEM SUPPLYING WATER FOR THE PROJECT.
2. Description of Any Areas Where New or Altered Water Mains Will Cross Above or Under Surface Water or Be Located in Soil that Is Known to Be Aggressive:

   No water crossing or aggressive soil conditions anticipated.

C. Information About Compliance with Design and Construction Requirements

1. If this project is being designed to comply with the following requirements, initial in ink before the requirements. If any of the following requirements do not apply to this project or if this project includes exceptions to any of the following requirements as allowed by rule, mark "X" before the requirements and complete Part II.C.2 below. *RSWW* = *Recommended Standards for Water Works* as incorporated into Rule 62-555.330, F.A.C.

   NA a. This project is being designed to keep existing water mains and service lines in operation during construction or to minimize interruption of water service during construction. [*RSWW* 1.3.a; exceptions allowed under FAC 62-555.330]

   NA b. All pipe, pipe fittings, pipe joint packing and jointing materials, valves, fire hydrants, and meters installed under this project will conform to applicable American Water Works Association (AWWA) standards. [FAC 62-555.320(21)(b), *RSWW* 8.0, and AWWA standards as incorporated into FAC 62-555.330; exceptions allowed under FAC 62-555.320(21)(c)]

   NA c. All public water system components, excluding fire hydrants, that will be installed under this project and that will come into contact with drinking water will conform to NSF International Standard 61 as adopted in Rule 62-555.335, F.A.C., or other applicable standards, regulations, or requirements referenced in paragraph 62-555.320(3)(b), F.A.C. [FAC 62-555.320(3)(b); exceptions allowed under FAC 62-555.320(3)(d)]

   NA d. All pipe and pipe fittings installed under this project will contain no more than 8.0% lead, and any solder or flux used in this project will contain no more than 0.2% lead. [FAC 62-555.322]

   NA e. All pipe and pipe fittings installed under this project will be color coded or marked in accordance with subparagraph 62-555.320(21)(b)3, F.A.C., using blue as a predominant color. (Underground plastic pipe will be solid-wall blue pipe, will have a co-extruded blue external skin, or will be white or black pipe with blue stripes incorporated into, or applied to, the pipe wall; and underground metal or concrete pipe will have blue stripes applied to the pipe wall. Pipe striped during manufacturing of the pipe will have continuous stripes that run parallel to the axis of the pipe, that are located at no greater than 90-degree intervals around the pipe, and that will remain intact during and after installation of the pipe. If tape or paint is used to stripe pipe during installation of the pipe, the tape or paint will be applied in a continuous line that runs parallel to the axis of the pipe and that is located along the top of the pipe; for pipe with an internal diameter of 24 inches or greater, tape or paint will be applied in continuous lines along each side of the pipe as well as along the top of the pipe. Aboveground pipe will be painted blue or will be color coded or marked like underground pipe.) [FAC 62-555.320(21)(b)3]

   NA f. All new or altered water mains included in this project are sized after a hydraulic analysis based on flow demands and pressure requirements. ATTACH A HYDRAULIC ANALYSIS JUSTIFYING THE SIZE OF ANY NEW OR ALTERED WATER MAINS WITH AN INSIDE DIAMETER OF LESS THAN THREE INCHES. [FAC 62-555.320(21)(b) and *RSWW* 8.1]

NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWSs

Project Name: Phoenix Wood Products	Permittee: PHOENIX WOOD PROPERTIES, LLC

g. The inside diameter of new or altered water mains that are included in this project and that are being designed to provide fire protection and serve fire hydrants will be at least six inches. [FAC 62-555.320(21)(b) and *RSWW* 8.1.2]

h. New or altered water mains that are included in this project and that are <u>not</u> being designed to carry fire flows do <u>not</u> have fire hydrants connected to them. [FAC 62-555.320(21)(b) and *RSWW* 8.1.5]

i. This project is being designed to minimize dead-end water mains by making appropriate tie-ins where practical. [FAC 62-555.320(21)(b) and *RSWW* 8.1.6.a]

j. New or altered dead-end water mains included in this project will be provided with a fire or flushing hydrant or blow-off for flushing purposes. [FAC 62-555.320(21)(b) and *RSWW* 8.1.6.b]

k. Sufficient valves will be provided on new or altered water mains included in this project so that inconvenience and sanitary hazards will be minimized during repairs. [FAC 62-555.320(21)(b) and *RSWW* 8.2]

l. New or altered fire hydrant leads included in this project will have an inside diameter of at least six inches and will include an auxiliary valve. [FAC 62-555.320(21)(b) and *RSWW* 8.3.3]

m. All fire hydrants that will be installed under this project and that will have unplugged, underground drains will be located at least three feet from any existing or proposed storm sewer, stormwater force main, pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., or vacuum-type sanitary sewer; at least six feet from any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water <u>not</u> regulated under Part III of Chapter 62-10, F.A.C.; and at least ten feet from any existing or proposed "on-site sewage treatment and disposal system." [FAC 62-555.314(4)]

n. At high points where air can accumulate in new or altered water mains included in this project, provisions will be made to remove the air by means of air relief valves, and automatic air relief valves will <u>not</u> be used in situations where flooding of the valve manhole or chamber may occur. [FAC 62-555.320(21)(b) and *RSWW* 8.4.1]

o. The open end of the air relief pipe from all automatic air relief valves installed under this project will be extended to at least one foot above grade and will be provided with a screened, downward-facing elbow. [FAC 62-555.320(21)(b) and *RSWW* 8.4.2]

p. New or altered chambers, pits, or manholes that contain valves, blow-offs, meters, or other such water distribution system appurtenances and that are included in this project will <u>not</u> be connected directly to any sanitary or storm sewer, and blow-offs or air relief valves installed under this project will <u>not</u> be connected directly to any sanitary or storm sewer. [FAC 62-555.320(21)(b) and *RSWW* 8.4.3]

q. New or altered water mains included in this project will be installed in accordance with applicable AWWA standards or in accordance with manufacturers' recommended procedures. [FAC 62-555.320(21)(b), *RSWW* 8.5.1, and AWWA standards as incorporated into FAC 62-555.330]

r. A continuous and uniform bedding will be provided in trenches for underground pipe installed under this project; backfill material will be tamped in layers around underground pipe installed under this project and to a sufficient height above the pipe to adequately support and protect the pipe; and unsuitably sized stones (as described in applicable AWWA standards or manufacturers' recommended installation procedures) found in trenches will be removed for a depth of at least six inches below the bottom of underground pipe installed under this project. [FAC 62-555.320(21)(b), *RSWW* 8.5.2]

s. All water main tees, bends, plugs, and hydrants installed under this project will be provided with thrust blocks or restrained joints to prevent movement. [FAC 62-555.320(21)(b) and *RSWW* 8.5.4]

t. New or altered water mains that are included in this project and that will be constructed of asbestos-cement or polyvinyl chloride pipe will be pressure and leakage tested in accordance with AWWA Standard C603 or C605, respectively, as incorporated into Rule 62-555.330, F.A.C., and all other new or altered water mains included in this project will be pressure and leakage tested in accordance with AWWA Standard C600 as incorporated into Rule 62-555.330. [FAC 62-555.320(21)(b)1 and AWWA standards as incorporated into FAC 62-555.330]

u. New or altered water mains, including fire hydrant leads and including service lines that will be under the control of a public water system and that have an inside diameter of three inches or greater, will be disinfected and bacteriologically evaluated in accordance with Rule 62-555.340, F.A.C. [FAC 62-555.320(21)(b)2 and FAC 62-555.340]

v. New or altered water mains that are included in this project and that will be installed in areas where there are known aggressive soil conditions will be protected through use of corrosion-resistant water main materials, through encasement of the water mains in polyethylene, or through provision of cathodic protection. [FAC 62-555.320(21)(b) and *RSWW* 8.5.7.d]

w. New or relocated, underground water mains included in this project will be laid to provide a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed vacuum-type sanitary sewer, storm sewer, stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C.; a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer (or a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer if the bottom of the water main will be laid at least six inches above the top of the sewer); a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.; and a horizontal distance of at least ten feet between the outside of the water main and all parts of any existing or proposed "on-site sewage treatment and disposal system." [FAC 62-555.314(1); exceptions allowed under FAC 62-555.314(5)]

x. New or relocated, underground water mains that are included in this project and that will cross any existing or proposed gravity- or vacuum-type sanitary sewer or storm sewer will be laid so the outside of the water main is at least six inches above the other pipeline or at least 12 inches below the other pipeline; and new or relocated, underground water mains that are included in this project and that will cross any existing or proposed pressure-type sanitary sewer, wastewater or stormwater force main, or pipeline conveying reclaimed water will be laid so the outside of the water main is at least 12 inches above or below the other pipeline. [FAC 62-555.314(2); exceptions allowed under FAC 62-555.314(5)]

y. At the utility crossings described in Part II.C.1.w above, one full length of water main pipe will be centered above or below the other pipeline so the water main joints will be as far as possible from the other pipeline or the pipes will be arranged so that all water main joints are at least three feet from all joints in vacuum-type sanitary sewers, storm sewers, stormwater force mains, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., and at least six feet from all joints in gravity- or pressure-type sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C. [FAC 62-555.314(2); exceptions allowed under FAC 62-555.314(5)]

X z. New or altered water mains that are included in this project and that will cross above surface water will be adequately supported and anchored, protected from damage and freezing, and accessible for repair or replacement. [FAC 62-555.320(21)(b) and *RSWW* 8.7.1]

X aa. New or altered water mains that are included in this project and that will cross under surface water will have a minimum cover of two feet. [FAC 62-555.320(21)(b) and *RSWW* 8.7.2]

X bb. New or altered water mains that are included in this project and that will cross under surface water courses greater than 15 feet in width will have flexible or restrained, watertight pipe joints and will include valves at both ends of the water crossing so the underwater main can be isolated for testing and repair; the aforementioned isolation valves will be easily accessible and will not be subject to flooding; the isolation valve closest to the water supply source will be in a manhole; and permanent taps will be provided on each side of the isolation valve within the manhole to allow for insertion of a small meter to determine leakage from the underwater main and to allow for sampling of water from the underwater main. [FAC 62-555.320(21)(b) and *RSWW* 8.7.2]

cc. This project is being designed to include proper backflow protection at those new or altered service connections where backflow protection is required or recommended under Rule 62-555.360, F.A.C., or in *Recommended Practice for Backflow Prevention and Cross-Connection Control*, AWWA Manual M14, as incorporated into Rule 62-555.330, F.A.C.; or the public water system that will own this project after it is placed into operation has a cross-connection control program requiring water customers to install proper backflow protection at those service connections where backflow protection is required or recommended under Rule 62-555.360, F.A.C., or in AWWA Manual M14. [FAC 62-555.360 and AWWA Manual M14 as incorporated into FAC 62-555.330]

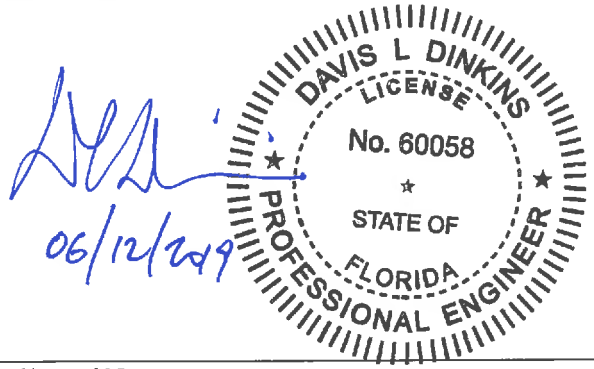
dd. Neither steam condensate, cooling water from engine jackets, nor water used in conjunction with heat exchangers will be returned to the new or altered water mains included in this project. [FAC 62-555.320(21)(b) and *RSWW* 8.8.2]

Project Name: Phoenix Wood Products	Permittee: PHOENIX WOOD PROPERTIES, LLC

2. Explanation for Requirements Marked "X" in Part II.C.1 Above, Including Justification, Documentation, Assurances, and/or Alternatives as Required by Rule for Exceptions to Requirements in Part II.C.1:

-n. & o. No air release valves are proposed.
-v. No known aggressive soils conditions.
-z. No surface water crossings are proposed.
-aa. No surface water crossings are proposed.
-bb. No surface water crossings are proposed.

I completed Part II of this notice, and the information provided in Part II and on the attachment(s) to Part II is true and accurate to the best of my knowledge and belief.

Signature, Seal, and Date of Professional Engineer (PE) or Signature and Date of Other Person in Responsible Charge of Designing Project:*	Signature, Seal, and Date of Professional Engineer (PE) or Signature and Date of Other Person in Responsible Charge of Designing Project:*
	
Printed/Typed Name: Davis L. Dinkins	Printed/Typed Name:
License Number of PE or License Number or Title of Other Person in Responsible Charge of Designing Project:* 60058	License Number of PE or License Number or Title of Other Person in Responsible Charge of Designing Project:*
Portion of Preliminary Design Report for Which Responsible: Entire	Portion of Preliminary Design Report for Which Responsible:

* *Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more PEs licensed in Florida. If this project is being designed under the responsible charge of one or more PEs licensed in Florida, Part II of this notice shall be completed, signed, sealed, and dated by the PE(s) in responsible charge. If this project is not being designed under the responsible charge of one or more PEs licensed in Florida, Part II shall be completed, signed, and dated by the person(s) in responsible charge of designing this project.*

NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWSs

Project Name: Phoenix Wood Products	Permittee: PHOENIX WOOD PROPERTIES, LLC

III. Certifications

A. Certification by Permittee

I am duly authorized to sign this notice on behalf of the permittee identified in Part I.F of this notice. I certify that, to the best of my knowledge and belief, this project complies with Chapter 62-555, F.A.C. I also certify that construction of this project has not begun yet and that, to the best of my knowledge and belief, this project does not include any of the following construction work:

- construction of water mains conveying raw or partially treated drinking water;
- construction of drinking water treatment, pumping, or storage facilities or conflict manholes;
- construction of water mains in areas contaminated by low-molecular-weight petroleum products or organic solvents;
- construction of an interconnection between previously separate public water systems or construction of water mains that create a "new system" as described under subsection 62-555.525(1), F.A.C.; or
- construction of water mains that will remain dry following completion of construction.

(A specific construction permit is required for each project involving any of the above listed construction work.)

I understand that, if this project is designed under the responsible charge of one or more professional engineers (PEs) licensed in Florida, the permittee must retain a Florida-licensed PE to take responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection construction permit, including the approved preliminary design report, for this project. I understand that the permittee must have complete record drawings prepared for this project. I also understand that the permittee must submit a certification of construction completion to the Department and obtain written approval, or clearance, from the Department before the permittee places this project into operation for any purpose other than disinfection or testing for leaks.

Signature and Date	David Preston Printed or Typed Name	Agent Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this notice on behalf of the PWS identified in Part I.G of this notice. I certify that said PWS will supply the water necessary to meet the design water demands for this project. As indicated below, the water treatment plant(s) to which this project will be connected has(have) the capacity necessary to meet the design water demands for this project, and I certify that all other PWS components affected by this project also have the capacity necessary to meet the design water demands for this project. I certify that said PWS is in compliance with applicable planning requirements in Rule 62-555.348, F.A.C.; applicable cross-connection control requirements in Rule 62-555.360, F.A.C.; and to the best of my knowledge and belief, all other applicable rules in Chapters 62-550, 62-555, and 62-699, F.A.C.; furthermore, I certify that, to the best of my knowledge and belief, said PWS's connection to this project will not cause said PWS to be in noncompliance with Chapter 62-550 or 62-555, F.A.C. I also certify that said PWS has reviewed the preliminary design report for this project and that said PWS considers the connection(s) between this project and said PWS acceptable as designed.

- Name(s) of Water Treatment Plant(s) to Which this Project Will Be Connected:
  Tradewinds Utilities WWTF
- Total Permitted Maximum Day Operating Capacity of Plant(s), gpd: 109,590
- Total Maximum Day Flow at Plant(s) as Recorded on Monthly Operating Reports During Past 12 Months, gpd: 86,670

Signature and Date	Charles DeMenzes Printed or Typed Name	President Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this notice on behalf of the PWS identified in Part I.H of this notice. I certify that said PWS will own this project after it is placed into permanent operation. I also certify that said PWS has reviewed the preliminary design report for this project and that said PWS considers this project acceptable as designed.

Signature and Date	David Preston Printed or Typed Name	Agent Title

NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWSs

Project Name: Phoenix Wood Products	Permittee: PHOENIX WOOD PROPERTIES, LLC

III. Certifications

A. Certification by Permittee

I am duly authorized to sign this notice on behalf of the permittee identified in Part I.F of this notice. I certify that, to the best of my knowledge and belief, this project complies with Chapter 62-555, F.A.C. I also certify that construction of this project has not begun yet and that, to the best of my knowledge and belief, this project does not include any of the following construction work:

- construction of water mains conveying raw or partially treated drinking water;
- construction of drinking water treatment, pumping, or storage facilities or conflict manholes;
- construction of water mains in areas contaminated by low-molecular-weight petroleum products or organic solvents;
- construction of an interconnection between previously separate public water systems or construction of water mains that create a "new system" as described under subsection 62-555.525(1), F.A.C.; or
- construction of water mains that will remain dry following completion of construction.

(A specific construction permit is required for each project involving any of the above listed construction work.)

I understand that, if this project is designed under the responsible charge of one or more professional engineers (PEs) licensed in Florida, the permittee must retain a Florida-licensed PE to take responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection construction permit, including the approved preliminary design report, for this project. I understand that the permittee must have complete record drawings prepared for this project. I also understand that the permittee must submit a certification of construction completion to the Department and obtain written approval, or clearance, from the Department before the permittee places this project into operation for any purpose other than disinfection or testing for leaks.

Signature and Date	Printed or Typed Name	Title
6/11/19	David Preston	Agent

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this notice on behalf of the PWS identified in Part I.G of this notice. I certify that said PWS will supply the water necessary to meet the design water demands for this project. As indicated below, the water treatment plant(s) to which this project will be connected has(have) the capacity necessary to meet the design water demands for this project, and I certify that all other PWS components affected by this project also have the capacity necessary to meet the design water demands for this project. I certify that said PWS is in compliance with applicable planning requirements in Rule 62-555.348, F.A.C.; applicable cross-connection control requirements in Rule 62-555.360, F.A.C.; and to the best of my knowledge and belief, all other applicable rules in Chapters 62-550, 62-555, and 62-699, F.A.C.; furthermore, I certify that, to the best of my knowledge and belief, said PWS's connection to this project will not cause said PWS to be in noncompliance with Chapter 62-550 or 62-555, F.A.C. I also certify that said PWS has reviewed the preliminary design report for this project and that said PWS considers the connection(s) between this project and said PWS acceptable as designed.

- Name(s) of Water Treatment Plant(s) to Which this Project Will Be Connected:
  Tradewinds Utilitites WWTF
- Total Permitted Maximum Day Operating Capacity of Plant(s), gpd: _____
- Total Maximum Day Flow at Plant(s) as Recorded on Monthly Operating Reports During Past 12 Months, gpd:

Signature and Date	Printed or Typed Name	Title
	Charles DeMenzes	President

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this notice on behalf of the PWS identified in Part I.H of this notice. I certify that said PWS will own this project after it is placed into permanent operation. I also certify that said PWS has reviewed the preliminary design report for this project and that said PWS considers this project acceptable as designed.

Signature and Date	Printed or Typed Name	Title
6/11/19	David Preston	Agent

NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWSs

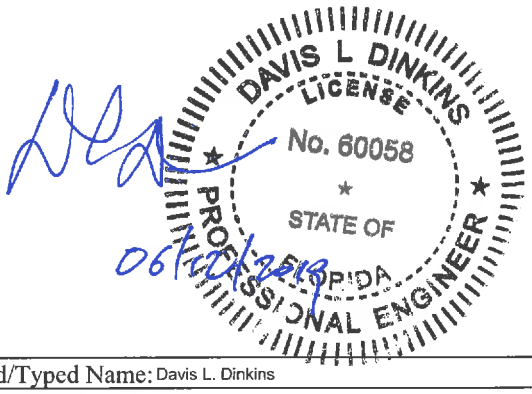
Project Name: Phoenix Wood Products	Permittee: PHOENIX WOOD PROPERTIES, LLC

D. Certification by Professional Engineer(s) in Responsible Charge of Designing Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of designing this project. I certify that, to the best of my knowledge and belief, the design of this project complies with Chapter 62-555, F.A.C. I also certify that, to the best of my knowledge and belief, this project is not being designed to include any of the following construction work:

- construction of water mains conveying raw or partially treated drinking water;
- construction of drinking water treatment, pumping, or storage facilities or conflict manholes;
- construction of water mains in areas contaminated by low-molecular-weight petroleum products or organic solvents;
- construction of an interconnection between previously separate public water systems or construction of water mains that create a "new system" as described under subsection 62-555.525(1), F.A.C.; or
- construction of water mains that will remain dry following completion of construction.

(A specific construction permit is required for each project involving any of the above listed construction work.)

Signature, Seal, and Date:	Signature, Seal, and Date:
	
Printed/Typed Name: Davis L. Dinkins	Printed/Typed Name:
License Number: 60058	License Number:
Portion of Preliminary Design Report for Which Responsible: Entire	Portion of Preliminary Design Report for Which Responsible:

* *Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more professional engineers (PEs) licensed in Florida. If this project is being designed under the responsible charge of one or more PEs licensed in Florida, Part III.D of this notice shall be completed by the PE(s) in responsible charge. If this project is not being designed under the responsible charge of one or more PEs licensed in Florida, Part III.D does not have to be completed.*

RECEIVED
JUN 14 2019
DEP Central District

From: Stephanie Torres
To: DEP_CD
Subject: Cert. of Completion 0080675-004-DSGP
Date: Thursday, August 22, 2019 11:43:45 AM
Attachments: doc20190822113619.pdf

Attached is the certificate of completion for the above referenced permit.

Thank you,
Stephanie

Stephanie Torres
Davis Dinkins Engineering, P.A.
2201 SE 30th Ave.
Suite 302-1
Ocala, FL 34471
352-854-5961

-----Original Message-----
From: copierdinkinsengineering@gmail.com
<copierdinkinsengineering@gmail.com>
Sent: Thursday, August 22, 2019 11:36 AM
To: stephanie@dinkinsengineering.com
Subject: scanned document - do not reply

CS 3552ci
[00:17:c8:64:ae:df]

DAVIS DINKINS ENGINEERING, P.A.

2201 SE 30TH AVE, SUITE 302-1
OCALA, FLORIDA 34471

352.854.5961 (PHONE)

August 22, 2019

Mr. Javed Mayet (via US Mail & email: DEP_CD@dep.state.fl.us)
Drinking Water/Environmental Resource Permitting
Florida Department of Environmental Protection
Central Florida District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: MARION COUNTY
"PHOENIX WOOD PRODUCTS"
PERMIT NO: 0080675-004--DSGP
WATER DISTRIBUTION CERTIFICATION OF COMPLETION

Dear Mr. Mayet:

We are requesting clearance of the above referenced water system.

We have enclosed for our review the following:

- Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation [DEP Form 62-555.900(9)
- One signed and sealed As-Built Survey
- One Copy of the Bacteriological Results
- One Copy of the permit #0080675-004-DSGP

Thank you for your assistance with this project, and please do not hesitate to call if you have any questions, or need additional information.

Sincerely,

Davis L. Dinkins

Enclosures

C: Mr. David Preston (davidpreston@phoenixwood.com)

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

See page 5 for instructions.

I. General Project Information

A. Name of Project: Phoenix Wood Products

B. Department of Environmental Protection (DEP) Construction Permit

Permit Number: 0080675-004-DSGP	Date Permit Was Issued: 06/20/2019

C. Portion of Project for Which Construction Is Substantially Complete and for Which Clearance Is Requested

☑ Entire Project

☐ Following Portion of Project:

D. Permittee

PWS/Company Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the permittee is a public water system (PWS).*

E. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilities		PWS Identification Number: 3424620
PWS Type: ☑ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: Charles DeMenzes	Contact Person's Title: President	
Contact Person's Mailing Address: PO Box 5520		
City: Ocala	State: FL	Zip Code: 34478
Contact Person's Telephone Number: 352-622-4949	Contact Person's Fax Number:	
Contact Person's E-Mail Address: charlie@altfo.com		

F. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation

PWS Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the owner/operator is an existing PWS.*

G. Professional Engineer in Responsible Charge of Inspecting Construction of Project*

Company Name: Davis Dinkins Engineering, P.A.		
Engineer: Davis L. Dinkins	Engineer's Florida License Number: 60058	
Engineer's Title: President		
Engineer's Mailing Address: 2201 SE 30th Ave., Ste. 302-1		
City: Ocala	State: FL	Zip Code: 34471
Engineer's Telephone Number: 352-854-5961	Engineer's Fax Number:	
Engineer's E-Mail Address: davis@dinkinsengineering.com		

* *This information is required if construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida. Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

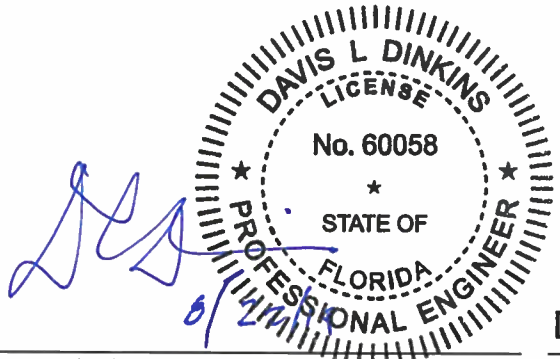
DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

II. Deviations from Department of Environmental Protection (DEP) Construction Permit for Project*

Description and explanation of all deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, for the substantially complete portion of this project:

No Substantial deviations.

I completed Part II of this form, and the information provided in Part II is true and accurate to the best of my knowledge and belief.



Signature, Seal, and Date of Professional Engineer or Signature and Date of Authorized Representative of Permittee*	Davis L. Dinkins Printed or Typed Name	60058 License Number of Professional Engineer or Title of Authorized Representative of Permittee*

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part II of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is <u>not</u> inspected under the responsible charge of a professional engineer licensed in Florida, Part II shall be completed, signed, and dated by an authorized representative of the permittee.*

III. Certifications

A. Certification by Permittee

I am duly authorized to sign this form on behalf of the permittee identified in Part I.D of this form. I certify the following:

- to the best of my knowledge and belief, the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- to the best of my knowledge and belief, the substantially complete portion of this project has been completed in accordance with the Department of Environmental Protection construction permit, including the approved preliminary design report or drawings and specifications, for this project; <u>or</u> to the best of my knowledge and belief, the deviations described and explained in Part II of this form will <u>not</u> prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

2/7/19	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings
  are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

8/8/19	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

8/8/19	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

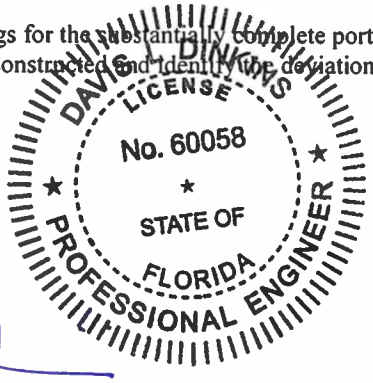
CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

D. Certification by Professional Engineer in Responsible Charge of Inspecting Construction of Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection (DEP) construction permit, including the approved preliminary design report or drawings and specifications, for this project. I, or a person acting under my responsible charge, observed construction of the substantially complete portion of this project and reviewed shop drawings, test results, and record drawings for the substantially complete portion of this project, and based upon said observation and reviews, I certify the following:

- the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- the substantially complete portion of this project has been completed in accordance with the DEP construction permit, including the approved preliminary design report or drawings and specifications, for this project; or to the best of my knowledge and belief, the deviations described and explained in Part II of this form will not prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;
- all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule; and
- the record drawings for the substantially complete portion of this project adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form.



Signature, Seal, and Date	Printed or Typed Name	License Number
6/22/19	Davis L. Dinkins	60058

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is not inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D does not have to be completed.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

INSTRUCTIONS: This form shall be completed and submitted for projects permitted and constructed under specific Department of Environmental Protection (DEP) construction permits for public water system components, under the DEP's "General Permit for Construction of Water Main Extensions for Public Water Systems," or under the DEP's "General Permit for Construction of Lead or Copper Corrosion Control, or Iron or Manganese Sequestration, Treatment Facilities for Small or Medium Public Water Systems." AFTER COMPLETING, OR SUBSTANTIALLY COMPLETING, CONSTRUCTION OF A PROJECT, OR A PORTION THEREOF, AND BEFORE PLACING THE SUBSTANTIALLY COMPLETE PROJECT, OR PORTION THEREOF, INTO OPERATION FOR ANY PURPOSE OTHER THAN DISINFECTION, TESTING FOR LEAKS, OR TESTING EQUIPMENT OPERATION, complete and submit one copy of this form to the appropriate DEP District Office or Approved County Health Department along with one copy of the following information:

- the portion of record drawings showing deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, if there are any deviations from said permit (note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings);
- bacteriological test results, including a sketch or description of all bacteriological sampling locations, demonstrating compliance with subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., if the substantially complete portion of the project includes any new or altered public water system (PWS) components that must be disinfected and bacteriologically surveyed or evaluated per said subsection or said rule;
- analytical test results demonstrating compliance with Part III of Chapter 62-550, F.A.C., or subsection 62-524.650(2), F.A.C., if the substantially complete portion of the project includes any new or altered PWS components that are necessary to achieve, or affect, compliance with said part or said subsection;
- a completed Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, if the DEP construction permit was issued before the effective date of Rule 62-555.525, F.A.C., (9-22-99) and the substantially complete portion of the project creates a "new system" as described under subsection 62-555.525(1), F.A.C.; and
- any other information required by conditions in the DEP construction permit.

All information provided on this form shall be typed or printed in ink. NOTE THAT A SEPARATE CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE IS REQUIRED FOR EACH PERMITTED PROJECT. **DO NOT PLACE ANY NEW OR ALTERED PWS COMPONENTS INTO PERMANENT OPERATION UNTIL THE DEPARTMENT ISSUES WRITTEN APPROVAL, OR CLEARANCE, TO PLACE THE COMPONENTS INTO PERMANENT OPERATION.**

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

Notification of Acceptance of Use of a General Permit

Permittee:
David Preston, Agent
Phoenix Wood Properties, LLC
3761 NE 36th Avenue
Ocala, FL 34479
davidpreston@phoenixwood.com

Permit Number: 0080675-004-DSGP
Issue date: June 20, 2019
Expiration Date: June 19, 2024
County: Marion
Project Name: Phoenix Wood Products
Water Supplier: Tradewinds Utility
PWS ID: 3424620
PWS Type: Community

Dear Mr. Preston:

On June 14, 2019, the Florida Department of Environmental Protection received a "*Notice of Intent to Use the General Permit for Construction of Water Main Extensions for PWSs*" [DEP Form No. 62-555.900(7)], under the provisions of Rule 62-4.530 and Chapter 62-555, Florida Administrative Code (F.A.C.). The proposed project includes the construction of approximately 384 linear feet of 8-inch PVC water main with fittings, valves and appurtenances to serve Phoenix Wood Products. The project is located east of N.E 36th Avenue and north of N.E. 40th Place in Marion County.

Based upon the submitted Notice and accompanying documentation, this correspondence is being sent to advise that the Department does not object to the use of such general permit at this time. Please be advised that the permittee is required to abide by Rule 62-555.405, F.A.C., all applicable rules in Chapters 62-4, 62-550, 62-555, F.A.C., and the General Conditions for All General Drinking Water Permits (found in 62-4.540, F.A.C.).

The permittee shall comply with all sampling requirements specific to this project. These requirements are attached for review and implementation.

Pursuant to Rule 62-555.345, F.A.C., the permittee shall submit a certification of construction completion [DEP Form No. 62-555.900(9)] to the Department and obtain approval, or clearance, from the Department before placing any water main extension constructed under this general permit into operation for any purpose other than disinfection or testing for leaks.

Within 30 days after the sale or legal transfer of ownership of the permitted project that has not been cleared for service in total by the Department, both the permittee and the proposed permittee shall sign and submit an application for transfer of the permit using Form 62-

555.900(8), F.A.C., with the appropriate fee. The permitted construction is not authorized past the 30-day period unless the permit has been transferred.

This permit will expire five years from the date of issuance. If the project has been started and not completed by that time, a new permit must be obtained before the expiration date in order to continue work on the project, per Rule 62-4.030, F.A.C.

Sincerely,

Javed Mayet, P.E.
Engineering Specialist II
Florida Department of Environmental Protection

cc: Charles DeMenzes, Tradewinds Utilities [charlie@altfo.com]
Davis Dinkins, P.E., Davis Dinkins Engineering PA [davis@dinkinsengineering.com]
Javed Mayet, Reggie Phillips, FDEP

CLEARANCE REQUIREMENTS

Requirements for clearance upon completion of projects are as follows:

1) **Clearance Form**
Submission of a fully completed Department of Environmental Protection (DEP) Form 62-555.900(9) *Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation* and a copy of this general permit notification.

2) **Record Drawings, if deviations were made**
Submission of the portion of record drawings showing deviations from the DEP construction permit, including preliminary design report or drawings and specifications, if there are any deviations from said permit (Note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings.).

3) **Bacteriological Results**
Copies of satisfactory bacteriological analysis (a.k.a. Main Clearance), taken within sixty (60) days of completion of construction, from locations within the distribution system or water main extension to be cleared, in accordance with Rules 62-555.315(6), 62-555.330, and 62-555.340, F.A.C. and American Water Works Association (AWWA) Standard C 651-92, as follows:

   - The proposed main at the point of connection to the existing main.

   Each location shall be sampled on two consecutive days, with sample points and chlorine residual readings clearly indicated on the report. **A sketch or description of all bacteriological sampling locations must also be provided.**

Please submit the entire clearance document package in electronic format to DEP_CD@dep.state.fl.us. If the file is very large, you may post it to the Water Electronic Submittal folder on the Central District's ftp site at:
ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Water%20Electronic%20Applications.

After posting the document, send an e-mail to DEP_CD@dep.state.fl.us, alerting the Department that it has been posted.

Any submitted drawings (should be sized 11" x 17") and the engineer of record's signed seal and dates on the required document must be legible for acceptance.

Forms: http://www.dep.state.fl.us/water/drinkingwater/forms.htm

For further clarification contact: Javed Mayet,
Suite 232
3319 Maguire Boulevard,
Orlando, Florida 32803-3767
(407) 897-4128

MARION ROCK, INC.

AQUA PURE WATER & SEWAGE SERVICE, LLC
3855 E. Silver Springs Blvd., Unit 107
Ocala, Florida 34470
(352) 355-2383
Laboratory Certification Number E83265

Drinking Water Total Coliform / E. coli
Sample Collection & Laboratory Report Form

Date Received and Analyzed / Time Received
JUL 24'19 AM11:47

This Side To Be Completed By Client / Sample Collector

System Name: Tradewinds Utilities (Phoenix Wood Products) PWS ID: _____
System Phone: 352-622-4949 System Address: Tradewinds Utilities
System County: Marion Client: Phoenix Wood Products
Collector: Steve Carroll Collector Phone: 352-208-4509

Type of Supply: (check only one) [X] Community Water System
[ ] Non-Transient Non-community Water System [ ] Transient Non-community Water System
[ ] Limited Use System [ ] Other: _____

Reason for Sampling: (check all that apply) [ ] Distribution Routine [ ] Distribution Repeat
[ ] Raw (triggered or assessment) [ ] Raw (triggered or assessment) additional [ ] Well Survey
[X] Clearance [ ] Boil Water Notice [ ] FDACS finished product (ice) [ ] Other: _____

Sample Collection Date(s): (1) 7-23-19 (2) 7-24-19 PO Number: _____
Comments: Notify w/ Results

This Side For Laboratory Use Only

Received By: MV [ ] Special [ ] TC ICE
[X] On Ice [ ] Not On Ice 14.6 °C
[ ] Paid Check or Receipt Number and Initials: _____
Disinfectant Check: [X] Not Detected ____ mg/L
Comments: _____
Analysis Method: SM9223B (Colilert)
Time(s) Analyzed: 1:50 pm
[X] Notified [ ] Emailed

PWS Notified by Lab of Positive Results:
Date: _____ Time: _____
Person Notified: _____
DEP/DOH Notified by Lab of E. coli Positive Results:
Date: _____ Time: _____
Notified By: _____

Sample Number	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	Laboratory Sample Number	Total Coliform	E. coli	DQ[2]
1	end of new line	2:10 PM		.8	M197654	A		
2	end of new line	9:15am		.8	M197655	A		

Report / Submission Number:

Average of disinfectant residuals for routine and repeat samples[3]

Unless otherwise noted, all tests performed in accordance with NELA standards. Results relate only to the samples submitted.

[ ] Free chlorine [ ] Total chlorine
Disinfectant Residual Analysis Method: [ ] DPD Colorimetric [ ] Other: _____
Person performing disinfectant analysis is:
[ ] A certified operator (# _____) [ ] Supervised by a certified operator (# _____)
[ ] Employed by a certified lab [ ] Employed by DEP or DOH [X] Authorized representative of supplier of water

[1] For Sample Types see Instructions item I 16.
[2] DQ - Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)
[3] Complete for community and nontransient noncommunity systems serving populations up to and including 4,900. Do not include raw or plant samples in the average

Data Qualifiers (checked if applicable)
[ ] Y - Received improperly preserved; presence of chlorine.
[ ] Q - Received beyond holding time or with insufficient time to complete analysis.
[ ] J - Received containing less than method specified sample volume.
[ ] Other: _____

Technical Director: Michael Moore Date: 7-26-19

Report to: (Name and Mailing Address)

Pick Up

DEP/DOH Use Only

[ ] Satisfactory [ ] Repeat Samples Required
[ ] Incomplete Collection Information [ ] Replacement Samples Required
Date Reviewed by DEP/DOH: _____
DEP/DOH Reviewing Official: _____

62-550.730 Reporting Format Effective 01/1995, Revised 02/2010) CRFTC Re

" AS-BUILT SURVEY "

FIRE LINE ONLY

= AS-BUILT

PARCEL NO. 15856-439-01

PARCEL NO. 15856-429-15

PARCEL NO. 15856-429-13

PARCEL NO. 15856-429-11

PARCEL NO. 15856-429-09

PARCEL NO. 15856-429-07

PARCEL NO. 15856-429-03

PARCEL NO. 15856-429-01

N

W E

S

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE MANUFACTURING BUILDING

LIMITS OF FIRE LINE AS-BUILT SURVEY

30 +/- LF OF 6" P.V.C. FIRE LINE

6" 45° BEND
N. = 1,779,923.55
E. = 629,105.30
TOP = 62.37
GROUND = 68.8

30 +/- LF OF 6" P.V.C. FIRE LINE

6" 45° BEND
N. = 1,779,883.46
E. = 629,220.89
TOP = 63.97
GROUND = 70.8

170 +/- LF OF 6" P.V.C. FIRE LINE

6" P.V.C.
TOP OF PIPE = 62.84
GROUND = 68.5

FIRE HYDRANT ASSEMBLY

6" VALVE
N. = 1,779,665.79
E. = 629,317.11
TOP OF NUT = 63.85
TOP OF VALVE BOX = 66.79

6" VALVE
N. = 1,779,884.29
E. = 629,320.80
TOP OF NUT = 62.78
TOP OF VALVE BOX = 66.39

6"X6" TEE
N. = 1,779,884.63
E. = 629,317.09
TOP OF FITTING = 61.39

PARCEL NO. 15855-000-01

PARCEL NO. 15861-001-000

LEGEND			
(P) = PLAT DIMENSION	TBM = TEMPORARY BENCHMARK	⊕ = WELL	⊕ = HOSE BIBB
(F) = FIELD MEASUREMENT	RCP = REINFORCED CONCRETE PIPE	⊞ = TRAFFIC CONTROL BOX	⊕ = BURIED CABLE MARKER
(D) = DEED DIMENSION	CMP = CORRUGATED METAL PIPE	⊞ = WATER METER	⊕ = GREASE TRAP
(C) = CALCULATED DIMENSION	VCP = VITRIFIED CLAY PIPE	⊞ = TELEPHONE RISER BOX	⊕ = SANITARY MANHOLE
(E) = EXCEPTION DIMENSION	PVC = POLYVINYL CHLORIDE	⊞ = ELECTRIC BOX	⊕ = STORM DRAINAGE MANHOLE
R/W = RIGHT OF WAY LINE	HDPE = HIGH DENSITY POLYETHYLENE	⊞ = CABLE TV RISER BOX	⊕ = TELEPHONE MANHOLE
CB = CHORD BEARING	O/E = OVERHEAD ELECTRIC	⊞ = IRRIGATION CONTROL BOX	⊕ = STORM INLET
ORB = OFFICIAL RECORDS BOOK	FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION	⊞ = WOOD POWER POLE	⊕ = CISTERN/IRE
PC = POINT OF CURVATURE	BFP = BACKFLOW PREVENTER	⊞ = GUY ANCHOR	⊕ = MONITORING WELL
PRC = POINT OF REVERSE CURVATURE	A/C = AIR CONDITIONER	⊞ = FIRE HYDRANT	⊕ = LIGHT POLE
PT = POINT OF TANGENCY	FOCM = FIBER OPTIC CABLE MARKER	⊞ = FIRE DEPARTMENT CONNECTION	⊕ = SIGN POST
LB = LICENSED BUSINESS	PRM = PERMANENT REFERENCE MONUMENT	⊞ = WATER VALVE	⊕ = MAILBOX
LS = LICENSED SURVEYOR	PCP = PERMANENT CONTROL POINT	⊞ = SEWER VALVE	⊕ = SANITARY CLEAN-OUT
F/E = FINISHED FLOOR ELEVATION	PSM = PROFESSIONAL SURVEYOR & MAPPER	⊕ = SET 5/8" IRON ROD & CAP - LB 7389	⊕ = BROKEN LINE: NOT DRAWN TO SCALE
TPB = TELEPHONE RISER BOX	PLS = PROFESSIONAL LAND SURVEYOR	⊕ = FOUND 5/8" IRON ROD & CAP	⊕ = DENOTES CONCRETE
WPP = WOOD POWER POLE	RLS = REGISTERED LAND SURVEYOR	⊕ = FOUND 4"X4" CONCRETE MONUMENT	
CPP = CONCRETE POWER POLE	I.D. = IDENTIFICATION	⊕ = SET 4"X4" CONCRETE MONUMENT = LB 7389	
MPP = METAL POWER POLE	NO. = NUMBER	⊕ = FOUND 8" OCTAGONAL CONCRETE MONUMENT	

STATE CERTIFIED SDVBE

ASBUILT SURVEY

FOR:

PHOENIX WOOD PRODUCTS

PREECE LAND SURVEYING, Inc.

BELLWETHER PROFESSIONAL PARK
2201 S.E. 30TH AVENUE, SUITE 102
OCALA, FL 34471
PHONE: (352) 351-0091
FAX: (352) 351-0093 FAX
EMAIL: glen@preinc.us

(LICENSED BUSINESS NO. 7389)

SURVEYOR'S CERTIFICATION

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE ESTABLISHED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, FOR AN ASBUILT SURVEY.

8/13/19
DATE

GLEN H. PREECE, JR., P.S.M. - LS 5427

DATE OF FIELD SURVEY: JUNE 27, 2019

DRAWN:	J.R.C.	REVISIONS	BY	DATE
CHECKED:	G.H.P.			
F.B.	PAGES			
FILE INFO: 22-20-24				
SCALE: 1" = 30'		COPYRIGHT © 2019	JOB ORDER # 17-039 PH 3 ASB	

FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DSITRICT OFFICE
3319 MAGUIRE BLVD, SUITE 232
ORLANDO FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

POTABLE WATER CLEARANCE – TOTAL

August 22, 2019

David Preston, Agent
Phoenix Wood Properties, LLC
3761 NE 36th Avenue
Ocala, FL 34479
davidpreston@phoenixwood.com

Clearance Type: Total
Marion County
Permit Number: 0080675-004-DSGP
PWS Name: Tradewinds Utilities
PWS ID: 3424620
Project Name: Phoenix Wood Products
Project Location: East of N.E. 36th Avenue and north of N.E. 40th Place in Marion County, Florida.

Dear Mr. Preston:

This letter acknowledges receipt of the certification, dated August 22, 2019, for the subject water distribution system extension. The submitted information demonstrates the system extension has been constructed in accordance with the FDEP Permit Number above and related plans and materials and that satisfactory bacteriological tests were conducted in accordance with the AWWA standards. Based on the certification and satisfactory bacteriological results, the Department is clearing the system for service.

If you have any questions or comments regarding this total clearance, please contactDaniel Shideler by telephone at 407-897-4133 or by e-mail at Daniel.Shideler@dep.state.fl.us.

Sincerely,

Daniel Shideler
Engineering Specialist III
Florida Department of Environmental Protection

v. 1.1

cc: Charles DeMenzes, Tradewind Utilities, charlie@altfo.com
Davis Dinkins, P.E., Davis Dinkins Engineering PA, davis@dinkinsengineering.com
Dan Shideler, DEP

FLORIDA DEPARTMENT OF
Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

DEP Review Initiated

08/23/2019

For: Davis L. Dinkins,

Construction Permit Number: 0080675-004-DSGP
Supplier PWS ID: 3424620
Project Name: PHOENIX WOOD PRODUCTS
Project Location: 3761 NE 36TH AVE , OCALA, FL 34479
Permittee: PHOENIX WOOD PROPERTIES LLC
Deviations (when applicable): N/A

Your request for FINAL clearance has been submitted for DEP Review. You will receive an e-mail response from the department when the review has been completed. Additional information may be requested. **Once the DEP Review process is complete and approved, you will be issued your clearance documentation in a separate e-mail.**

If you have any questions or comments regarding this request for FINAL clearance, please contact your local district office. **CLICK HERE** to view contact information for your local office.

FLORIDA DEPARTMENT OF
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Bob Martinez Center
2600 Blair Stone Road
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Lt. Governor

Noah Valenstein
Secretary

PW Clearance Electronic Submission

Potable Water FINAL Clearance

08/23/2019

Dear Davis L. Dinkins,

Construction Permit Number: 0080675-004-DSGP
Supplier PWS ID: 3424620
Project Name: PHOENIX WOOD PRODUCTS
Portion of Project Location: Total
Permittee: PHOENIX WOOD PROPERTIES LLC
PWS Supplier: Charles DeMenzes
PWS Owner: TRADEWINDS VILLAGE
Deviations (when applicable): N/A

This letter acknowledges receipt of the clearance request form and supporting information, dated 08/23/2019. The submitted information demonstrates the system extension has been constructed in accordance with the FDEP Permit Number above and related plans and materials and that satisfactory pressure and bacteriological tests were conducted in accordance with the AWWA standards. Based on the certification and satisfactory bacteriological results, the Department is clearing the system for service.

This clearance is for the entire project.

Enclosures:
All Supporting documentation provided by the applicant can be found here:
http://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/3424620/facility!search
This link will not be available immediately. These documents will be available no later than 3 days from the date of issuance of this letter.

Attachments:
Community Public Drinking Water Systems

If you have any questions or comments regarding this FINAL clearance, please contact your district office. **Click Here** to view contact information for your district office.

Sincerely,
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

See page 5 for instructions.

I. General Project Information

A. Name of Project: Phoenix Wood Products

B. Department of Environmental Protection (DEP) Construction Permit

Permit Number: 0080675-004-DSGP	Date Permit Was Issued: 06/20/2019

C. Portion of Project for Which Construction Is Substantially Complete and for Which Clearance Is Requested

☑ Entire Project

☐ Following Portion of Project:

D. Permittee

PWS/Company Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the permittee is a public water system (PWS).*

E. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilities		PWS Identification Number: 3424620
PWS Type: ☑ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: Charles DeMenzes	Contact Person's Title: President	
Contact Person's Mailing Address: PO Box 5520		
City: Ocala	State: FL	Zip Code: 34478
Contact Person's Telephone Number: 352-622-4949	Contact Person's Fax Number:	
Contact Person's E-Mail Address: charlie@altfo.com		

F. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation

PWS Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the owner/operator is an existing PWS.*

G. Professional Engineer in Responsible Charge of Inspecting Construction of Project*

Company Name: Davis Dinkins Engineering, P.A.		
Engineer: Davis L. Dinkins	Engineer's Florida License Number: 60058	
Engineer's Title: President		
Engineer's Mailing Address: 2201 SE 30th Ave., Ste. 302-1		
City: Ocala	State: FL	Zip Code: 34471
Engineer's Telephone Number: 352-854-5961	Engineer's Fax Number:	
Engineer's E-Mail Address: davis@dinkinsengineering.com		

* *This information is required if construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida. Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

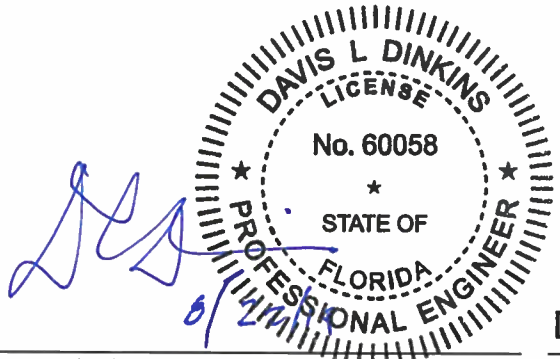
DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

II. Deviations from Department of Environmental Protection (DEP) Construction Permit for Project*

Description and explanation of all deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, for the substantially complete portion of this project:

No Substantial deviations.

I completed Part II of this form, and the information provided in Part II is true and accurate to the best of my knowledge and belief.



Signature, Seal, and Date of Professional Engineer or Signature and Date of Authorized Representative of Permittee*	Davis L. Dinkins Printed or Typed Name	60058 License Number of Professional Engineer or Title of Authorized Representative of Permittee*

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part II of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is <u>not</u> inspected under the responsible charge of a professional engineer licensed in Florida, Part II shall be completed, signed, and dated by an authorized representative of the permittee.*

III. Certifications

A. Certification by Permittee

I am duly authorized to sign this form on behalf of the permittee identified in Part I.D of this form. I certify the following:

- to the best of my knowledge and belief, the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- to the best of my knowledge and belief, the substantially complete portion of this project has been completed in accordance with the Department of Environmental Protection construction permit, including the approved preliminary design report or drawings and specifications, for this project; <u>or</u> to the best of my knowledge and belief, the deviations described and explained in Part II of this form will <u>not</u> prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

2/7/19	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings
  are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

8/8/19	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

8/8/19	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

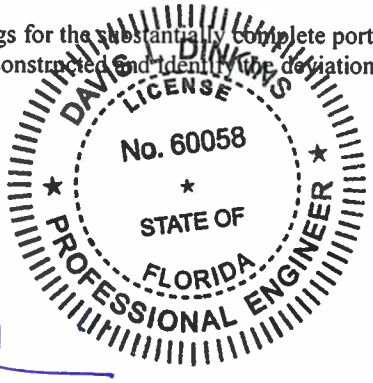
CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

D. Certification by Professional Engineer in Responsible Charge of Inspecting Construction of Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection (DEP) construction permit, including the approved preliminary design report or drawings and specifications, for this project. I, or a person acting under my responsible charge, observed construction of the substantially complete portion of this project and reviewed shop drawings, test results, and record drawings for the substantially complete portion of this project, and based upon said observation and reviews, I certify the following:

- the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- the substantially complete portion of this project has been completed in accordance with the DEP construction permit, including the approved preliminary design report or drawings and specifications, for this project; or to the best of my knowledge and belief, the deviations described and explained in Part II of this form will not prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;
- all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule; and
- the record drawings for the substantially complete portion of this project adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form.



Signature, Seal, and Date	Printed or Typed Name	License Number
6/22/19	Davis L. Dinkins	60058

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is not inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D does not have to be completed.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

INSTRUCTIONS: This form shall be completed and submitted for projects permitted and constructed under specific Department of Environmental Protection (DEP) construction permits for public water system components, under the DEP's "General Permit for Construction of Water Main Extensions for Public Water Systems," or under the DEP's "General Permit for Construction of Lead or Copper Corrosion Control, or Iron or Manganese Sequestration, Treatment Facilities for Small or Medium Public Water Systems." AFTER COMPLETING, OR SUBSTANTIALLY COMPLETING, CONSTRUCTION OF A PROJECT, OR A PORTION THEREOF, AND BEFORE PLACING THE SUBSTANTIALLY COMPLETE PROJECT, OR PORTION THEREOF, INTO OPERATION FOR ANY PURPOSE OTHER THAN DISINFECTION, TESTING FOR LEAKS, OR TESTING EQUIPMENT OPERATION, complete and submit one copy of this form to the appropriate DEP District Office or Approved County Health Department along with one copy of the following information:

- the portion of record drawings showing deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, if there are any deviations from said permit (note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings);
- bacteriological test results, including a sketch or description of all bacteriological sampling locations, demonstrating compliance with subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., if the substantially complete portion of the project includes any new or altered public water system (PWS) components that must be disinfected and bacteriologically surveyed or evaluated per said subsection or said rule;
- analytical test results demonstrating compliance with Part III of Chapter 62-550, F.A.C., or subsection 62-524.650(2), F.A.C., if the substantially complete portion of the project includes any new or altered PWS components that are necessary to achieve, or affect, compliance with said part or said subsection;
- a completed Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, if the DEP construction permit was issued before the effective date of Rule 62-555.525, F.A.C., (9-22-99) and the substantially complete portion of the project creates a "new system" as described under subsection 62-555.525(1), F.A.C.; and
- any other information required by conditions in the DEP construction permit.

All information provided on this form shall be typed or printed in ink. NOTE THAT A SEPARATE CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE IS REQUIRED FOR EACH PERMITTED PROJECT. **DO NOT PLACE ANY NEW OR ALTERED PWS COMPONENTS INTO PERMANENT OPERATION UNTIL THE DEPARTMENT ISSUES WRITTEN APPROVAL, OR CLEARANCE, TO PLACE THE COMPONENTS INTO PERMANENT OPERATION.**

DAVIS DINKINS ENGINEERING, P.A.

2201 SE 30TH AVE, SUITE 302-1
OCALA, FLORIDA 34471

352.854.5961 (PHONE)

August 22, 2019

Mr. Javed Mayet (via US Mail & email: DEP_CD@dep.state.fl.us)
Drinking Water/Environmental Resource Permitting
Florida Department of Environmental Protection
Central Florida District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: MARION COUNTY
"PHOENIX WOOD PRODUCTS"
PERMIT NO: 0080675-004--DSGP
WATER DISTRIBUTION CERTIFICATION OF COMPLETION

Dear Mr. Mayet:

We are requesting clearance of the above referenced water system.

We have enclosed for our review the following:

- Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation [DEP Form 62-555.900(9)
- One signed and sealed As-Built Survey
- One Copy of the Bacteriological Results
- One Copy of the permit #0080675-004-DSGP

Thank you for your assistance with this project, and please do not hesitate to call if you have any questions, or need additional information.

Sincerely,

Davis L. Dinkins

Enclosures

C: Mr. David Preston (davidpreston@phoenixwood.com)

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

See page 5 for instructions.

I. General Project Information

A. Name of Project: Phoenix Wood Products

B. Department of Environmental Protection (DEP) Construction Permit

Permit Number: 0080675-004-DSGP	Date Permit Was Issued: 06/20/2019

C. Portion of Project for Which Construction Is Substantially Complete and for Which Clearance Is Requested

☑ Entire Project

☐ Following Portion of Project:

D. Permittee

PWS/Company Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the permittee is a public water system (PWS).*

E. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilities		PWS Identification Number: 3424620
PWS Type: ☑ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: Charles DeMenzes	Contact Person's Title: President	
Contact Person's Mailing Address: PO Box 5520		
City: Ocala	State: FL	Zip Code: 34478
Contact Person's Telephone Number: 352-622-4949	Contact Person's Fax Number:	
Contact Person's E-Mail Address: charlie@altfo.com		

F. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation

PWS Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the owner/operator is an existing PWS.*

G. Professional Engineer in Responsible Charge of Inspecting Construction of Project*

Company Name: Davis Dinkins Engineering, P.A.		
Engineer: Davis L. Dinkins	Engineer's Florida License Number: 60058	
Engineer's Title: President		
Engineer's Mailing Address: 2201 SE 30th Ave., Ste. 302-1		
City: Ocala	State: FL	Zip Code: 34471
Engineer's Telephone Number: 352-854-5961	Engineer's Fax Number:	
Engineer's E-Mail Address: davis@dinkinsengineering.com		

* *This information is required if construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida. Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

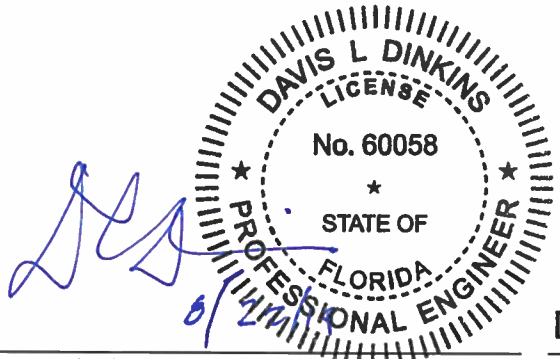
DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

II. Deviations from Department of Environmental Protection (DEP) Construction Permit for Project*

Description and explanation of all deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, for the substantially complete portion of this project:

No Substantial deviations.

I completed Part II of this form, and the information provided in Part II is true and accurate to the best of my knowledge and belief.



Signature, Seal, and Date of Professional Engineer or Signature and Date of Authorized Representative of Permittee*	Davis L. Dinkins Printed or Typed Name	60058 License Number of Professional Engineer or Title of Authorized Representative of Permittee*

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part II of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is <u>not</u> inspected under the responsible charge of a professional engineer licensed in Florida, Part II shall be completed, signed, and dated by an authorized representative of the permittee.*

III. Certifications

A. Certification by Permittee

I am duly authorized to sign this form on behalf of the permittee identified in Part I.D of this form. I certify the following:

- to the best of my knowledge and belief, the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- to the best of my knowledge and belief, the substantially complete portion of this project has been completed in accordance with the Department of Environmental Protection construction permit, including the approved preliminary design report or drawings and specifications, for this project; <u>or</u> to the best of my knowledge and belief, the deviations described and explained in Part II of this form will <u>not</u> prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

2/7/19	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings
  are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

8/8/19	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

8/8/19	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

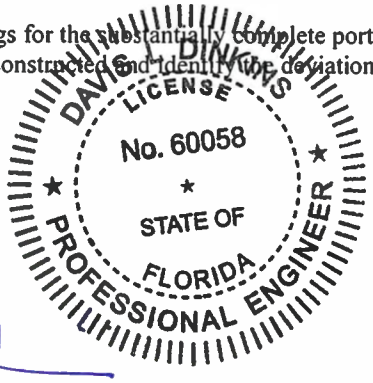
CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

D. Certification by Professional Engineer in Responsible Charge of Inspecting Construction of Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection (DEP) construction permit, including the approved preliminary design report or drawings and specifications, for this project. I, or a person acting under my responsible charge, observed construction of the substantially complete portion of this project and reviewed shop drawings, test results, and record drawings for the substantially complete portion of this project, and based upon said observation and reviews, I certify the following:

- the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- the substantially complete portion of this project has been completed in accordance with the DEP construction permit, including the approved preliminary design report or drawings and specifications, for this project; or to the best of my knowledge and belief, the deviations described and explained in Part II of this form will not prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;
- all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule; and
- the record drawings for the substantially complete portion of this project adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form.



Signature, Seal, and Date	Printed or Typed Name	License Number
6/22/19	Davis L. Dinkins	60058

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is not inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D does not have to be completed.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

INSTRUCTIONS: This form shall be completed and submitted for projects permitted and constructed under specific Department of Environmental Protection (DEP) construction permits for public water system components, under the DEP's "General Permit for Construction of Water Main Extensions for Public Water Systems," or under the DEP's "General Permit for Construction of Lead or Copper Corrosion Control, or Iron or Manganese Sequestration, Treatment Facilities for Small or Medium Public Water Systems." AFTER COMPLETING, OR SUBSTANTIALLY COMPLETING, CONSTRUCTION OF A PROJECT, OR A PORTION THEREOF, AND BEFORE PLACING THE SUBSTANTIALLY COMPLETE PROJECT, OR PORTION THEREOF, INTO OPERATION FOR ANY PURPOSE OTHER THAN DISINFECTION, TESTING FOR LEAKS, OR TESTING EQUIPMENT OPERATION, complete and submit one copy of this form to the appropriate DEP District Office or Approved County Health Department along with one copy of the following information:

- the portion of record drawings showing deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, if there are any deviations from said permit (note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings);
- bacteriological test results, including a sketch or description of all bacteriological sampling locations, demonstrating compliance with subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., if the substantially complete portion of the project includes any new or altered public water system (PWS) components that must be disinfected and bacteriologically surveyed or evaluated per said subsection or said rule;
- analytical test results demonstrating compliance with Part III of Chapter 62-550, F.A.C., or subsection 62-524.650(2), F.A.C., if the substantially complete portion of the project includes any new or altered PWS components that are necessary to achieve, or affect, compliance with said part or said subsection;
- a completed Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, if the DEP construction permit was issued before the effective date of Rule 62-555.525, F.A.C., (9-22-99) and the substantially complete portion of the project creates a "new system" as described under subsection 62-555.525(1), F.A.C.; and
- any other information required by conditions in the DEP construction permit.

All information provided on this form shall be typed or printed in ink. NOTE THAT A SEPARATE CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE IS REQUIRED FOR EACH PERMITTED PROJECT. **DO NOT PLACE ANY NEW OR ALTERED PWS COMPONENTS INTO PERMANENT OPERATION UNTIL THE DEPARTMENT ISSUES WRITTEN APPROVAL, OR CLEARANCE, TO PLACE THE COMPONENTS INTO PERMANENT OPERATION.**

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

Notification of Acceptance of Use of a General Permit

Permittee:
David Preston, Agent
Phoenix Wood Properties, LLC
3761 NE 36th Avenue
Ocala, FL 34479
davidpreston@phoenixwood.com

Permit Number: 0080675-004-DSGP
Issue date: June 20, 2019
Expiration Date: June 19, 2024
County: Marion
Project Name: Phoenix Wood Products
Water Supplier: Tradewinds Utility
PWS ID: 3424620
PWS Type: Community

Dear Mr. Preston:

On June 14, 2019, the Florida Department of Environmental Protection received a "*Notice of Intent to Use the General Permit for Construction of Water Main Extensions for PWSs*" [DEP Form No. 62-555.900(7)], under the provisions of Rule 62-4.530 and Chapter 62-555, Florida Administrative Code (F.A.C.). The proposed project includes the construction of approximately 384 linear feet of 8-inch PVC water main with fittings, valves and appurtenances to serve Phoenix Wood Products. The project is located east of N.E 36th Avenue and north of N.E. 40th Place in Marion County.

Based upon the submitted Notice and accompanying documentation, this correspondence is being sent to advise that the Department does not object to the use of such general permit at this time. Please be advised that the permittee is required to abide by Rule 62-555.405, F.A.C., all applicable rules in Chapters 62-4, 62-550, 62-555, F.A.C., and the General Conditions for All General Drinking Water Permits (found in 62-4.540, F.A.C.).

The permittee shall comply with all sampling requirements specific to this project. These requirements are attached for review and implementation.

Pursuant to Rule 62-555.345, F.A.C., the permittee shall submit a certification of construction completion [DEP Form No. 62-555.900(9)] to the Department and obtain approval, or clearance, from the Department before placing any water main extension constructed under this general permit into operation for any purpose other than disinfection or testing for leaks.

Within 30 days after the sale or legal transfer of ownership of the permitted project that has not been cleared for service in total by the Department, both the permittee and the proposed permittee shall sign and submit an application for transfer of the permit using Form 62-

555.900(8), F.A.C., with the appropriate fee. The permitted construction is not authorized past the 30-day period unless the permit has been transferred.

This permit will expire five years from the date of issuance. If the project has been started and not completed by that time, a new permit must be obtained before the expiration date in order to continue work on the project, per Rule 62-4.030, F.A.C.

Sincerely,

Javed Mayet, P.E.
Engineering Specialist II
Florida Department of Environmental Protection

cc: Charles DeMenzes, Tradewinds Utilities [charlie@altfo.com]
Davis Dinkins, P.E., Davis Dinkins Engineering PA [davis@dinkinsengineering.com]
Javed Mayet, Reggie Phillips, FDEP

CLEARANCE REQUIREMENTS

Requirements for clearance upon completion of projects are as follows:

1) **Clearance Form**
Submission of a fully completed Department of Environmental Protection (DEP) Form 62-555.900(9) *Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation* and a copy of this general permit notification.

2) **Record Drawings, if deviations were made**
Submission of the portion of record drawings showing deviations from the DEP construction permit, including preliminary design report or drawings and specifications, if there are any deviations from said permit (Note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings.).

3) **Bacteriological Results**
Copies of satisfactory bacteriological analysis (a.k.a. Main Clearance), taken within sixty (60) days of completion of construction, from locations within the distribution system or water main extension to be cleared, in accordance with Rules 62-555.315(6), 62-555.330, and 62-555.340, F.A.C. and American Water Works Association (AWWA) Standard C 651-92, as follows:

   - The proposed main at the point of connection to the existing main.

   Each location shall be sampled on two consecutive days, with sample points and chlorine residual readings clearly indicated on the report. **A sketch or description of all bacteriological sampling locations must also be provided.**

Please submit the entire clearance document package in electronic format to DEP_CD@dep.state.fl.us. If the file is very large, you may post it to the Water Electronic Submittal folder on the Central District's ftp site at:
ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Water%20Electronic%20Applications.

After posting the document, send an e-mail to DEP_CD@dep.state.fl.us, alerting the Department that it has been posted.

Any submitted drawings (should be sized 11" x 17") and the engineer of record's signed seal and dates on the required document must be legible for acceptance.

Forms: http://www.dep.state.fl.us/water/drinkingwater/forms.htm

For further clarification contact: Javed Mayet,
Suite 232
3319 Maguire Boulevard,
Orlando, Florida 32803-3767
(407) 897-4128

MARION ROCK, INC.

AQUA PURE WATER & SEWAGE SERVICE, LLC
3855 E. Silver Springs Blvd., Unit 107
Ocala, Florida 34470
(352) 355-2383
Laboratory Certification Number E83265

Drinking Water Total Coliform / E. coli
Sample Collection & Laboratory Report Form

Date Received and Analyzed / Time Received
JUL 24'19 AM11:47

This Side To Be Completed By Client / Sample Collector

System Name: Tradewinds Utilities (Phoenix Wood Products) PWS ID: _____
System Phone: 352-622-4949 System Address: Tradewinds Utilities
System County: Marion Client: Phoenix Wood Products
Collector: Steve Carroll Collector Phone: 352-208-4509

Type of Supply: (check only one) [X] Community Water System
[ ] Non-Transient Non-community Water System [ ] Transient Non-community Water System
[ ] Limited Use System [ ] Other: _____

Reason for Sampling: (check all that apply) [ ] Distribution Routine [ ] Distribution Repeat
[ ] Raw (triggered or assessment) [ ] Raw (triggered or assessment) additional [ ] Well Survey
[X] Clearance [ ] Boil Water Notice [ ] FDACS finished product (ice) [ ] Other: _____

Sample Collection Date(s): (1) 7-23-19 (2) 7-24-19 PO Number: _____
Comments: Notify w/ Results

This Side For Laboratory Use Only

Received By: MV [ ] Special [ ] TC ICE
[X] On Ice [ ] Not On Ice 14.6 °C
[ ] Paid Check or Receipt Number and Initials: _____
Disinfectant Check: [X] Not Detected ____ mg/L
Comments: _____
Analysis Method: SM9223B (Colilert)
Time(s) Analyzed: 1:50 pm
[X] Notified [ ] Emailed

PWS Notified by Lab of Positive Results:
Date: _____ Time: _____
Person Notified: _____
DEP/DOH Notified by Lab of E. coli Positive Results:
Date: _____ Time: _____
Notified By: _____

Sample Number	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	Laboratory Sample Number	Total Coliform	E. coli	DQ[2]
1	end of new line	2:10 PM		.8	M197654	A		
2	end of new line	9:15am		.8	M197655	A		

Report / Submission Number:

Average of disinfectant residuals for routine and repeat samples[3]

Unless otherwise noted, all tests performed in accordance with NELA standards. Results relate only to the samples submitted.

[ ] Free chlorine [ ] Total chlorine
Disinfectant Residual Analysis Method: [ ] DPD Colorimetric [ ] Other: _____
Person performing disinfectant analysis is:
[ ] A certified operator (# _____) [ ] Supervised by a certified operator (# _____)
[ ] Employed by a certified lab [ ] Employed by DEP or DOH [X] Authorized representative of supplier of water

[1] For Sample Types see Instructions item I 16.
[2] DQ - Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)
[3] Complete for community and nontransient noncommunity systems serving populations up to and including 4,900. Do not include raw or plant samples in the average

Data Qualifiers (checked if applicable)
[ ] Y - Received improperly preserved; presence of chlorine.
[ ] Q - Received beyond holding time or with insufficient time to complete analysis.
[ ] J - Received containing less than method specified sample volume.
[ ] Other: _____

Technical Director: Michael Moore Date: 7-26-19

Report to: (Name and Mailing Address)

Pick Up

DEP/DOH Use Only

[ ] Satisfactory [ ] Repeat Samples Required
[ ] Incomplete Collection Information [ ] Replacement Samples Required
Date Reviewed by DEP/DOH: _____
DEP/DOH Reviewing Official: _____

62-550.730 Reporting Format Effective 01/1995, Revised 02/2010) CRFTC Re

" AS-BUILT SURVEY "

FIRE LINE ONLY

= AS-BUILT

PARCEL NO. 15856-439-01

PARCEL NO. 15856-429-15

PARCEL NO. 15856-429-13

PARCEL NO. 15856-429-11

PARCEL NO. 15856-429-09

PARCEL NO. 15856-429-07

PARCEL NO. 15856-429-03

PARCEL NO. 15856-429-01

N

W E

S

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE MANUFACTURING BUILDING

LIMITS OF FIRE LINE AS-BUILT SURVEY

30 +/- LF OF 6" P.V.C. FIRE LINE

6" 45° BEND
N. = 1,779,923.55
E. = 629,105.30
TOP = 62.37
GROUND = 68.8

30 +/- LF OF 6" P.V.C. FIRE LINE

6" 45° BEND
N. = 1,779,883.46
E. = 629,220.89
TOP = 63.97
GROUND = 70.8

170 +/- LF OF 6" P.V.C. FIRE LINE

6" P.V.C.
TOP OF PIPE = 62.84
GROUND = 68.5

FIRE HYDRANT ASSEMBLY

6" VALVE
N. = 1,779,665.79
E. = 629,317.11
TOP OF NUT = 63.85
TOP OF VALVE BOX = 66.79

6" VALVE
N. = 1,779,884.29
E. = 629,320.80
TOP OF NUT = 62.78
TOP OF VALVE BOX = 66.39

6"X6" TEE
N. = 1,779,884.63
E. = 629,317.09
TOP OF FITTING = 61.39

PARCEL NO. 15855-000-01

PARCEL NO. 15861-001-000

LEGEND			
(P) = PLAT DIMENSION	TBM = TEMPORARY BENCHMARK	⊕ = WELL	⊕ = HOSE BIBB
(F) = FIELD MEASUREMENT	RCP = REINFORCED CONCRETE PIPE	⊞ = TRAFFIC CONTROL BOX	⊕ = BURIED CABLE MARKER
(D) = DEED DIMENSION	CMP = CORRUGATED METAL PIPE	⊞ = WATER METER	⊕ = GREASE TRAP
(C) = CALCULATED DIMENSION	VCP = VITRIFIED CLAY PIPE	⊞ = TELEPHONE RISER BOX	⊕ = SANITARY MANHOLE
(E) = EXCEPTION DIMENSION	PVC = POLYVINYL CHLORIDE	⊞ = ELECTRIC BOX	⊕ = STORM DRAINAGE MANHOLE
R/W = RIGHT OF WAY LINE	HDPE = HIGH DENSITY POLYETHYLENE	⊞ = CABLE TV RISER BOX	⊕ = TELEPHONE MANHOLE
CB = CHORD BEARING	O/E = OVERHEAD ELECTRIC	⊞ = IRRIGATION CONTROL BOX	⊕ = STORM INLET
ORB = OFFICIAL RECORDS BOOK	FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION	⊞ = WOOD POWER POLE	⊕ = CISTERN/IRE
PC = POINT OF CURVATURE	BFP = BACKFLOW PREVENTER	⊞ = GUY ANCHOR	⊕ = MONITORING WELL
PRC = POINT OF REVERSE CURVATURE	A/C = AIR CONDITIONER	⊞ = FIRE HYDRANT	⊕ = LIGHT POLE
PT = POINT OF TANGENCY	FOCM = FIBER OPTIC CABLE MARKER	⊞ = FIRE DEPARTMENT CONNECTION	⊕ = SIGN POST
LB = LICENSED BUSINESS	PRM = PERMANENT REFERENCE MONUMENT	⊞ = WATER VALVE	⊕ = MAILBOX
LS = LICENSED SURVEYOR	PCP = PERMANENT CONTROL POINT	⊞ = SEWER VALVE	⊕ = SANITARY CLEAN-OUT
F/E = FINISHED FLOOR ELEVATION	PSM = PROFESSIONAL SURVEYOR & MAPPER	⊕ = SET 5/8" IRON ROD & CAP - LB 7389	⊕ = BROKEN LINE: NOT DRAWN TO SCALE
TPB = TELEPHONE RISER BOX	PLS = PROFESSIONAL LAND SURVEYOR	⊕ = FOUND 5/8" IRON ROD & CAP	⊕ = DENOTES CONCRETE
WPP = WOOD POWER POLE	RLS = REGISTERED LAND SURVEYOR	⊕ = FOUND 4"X4" CONCRETE MONUMENT	
CPP = CONCRETE POWER POLE	I.D. = IDENTIFICATION	⊕ = SET 4"X4" CONCRETE MONUMENT = LB 7389	
MPP = METAL POWER POLE	NO. = NUMBER	⊕ = FOUND 8" OCTAGONAL CONCRETE MONUMENT	

STATE CERTIFIED SDVBE

ASBUILT SURVEY

FOR:

PHOENIX WOOD PRODUCTS

PREECE LAND SURVEYING, Inc.

BELLWETHER PROFESSIONAL PARK
2201 S.E. 30TH AVENUE, SUITE 102
OCALA, FL 34471
PHONE: (352) 351-0091
FAX: (352) 351-0093 FAX
EMAIL: glen@preinc.us

(LICENSED BUSINESS NO. 7389)

SURVEYOR'S CERTIFICATION

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE ESTABLISHED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, FOR AN ASBUILT SURVEY.

8/13/19
DATE

GLEN H. PREECE, JR., P.S.M. - LS 5427

DATE OF FIELD SURVEY: JUNE 27, 2019

DRAWN:	J.R.C.	REVISIONS	BY	DATE
CHECKED:	G.H.P.			
F.B.	PAGES			
FILE INFO: 22-20-24				
SCALE: 1" = 30'		COPYRIGHT © 2019	JOB ORDER # 17-039 PH 3 ASB	

" AS-BUILT SURVEY "

FIRE LINE ONLY

( ) = AS-BUILT

PARCEL NO. 15856-439-01

PARCEL NO. 15856-429-15

PARCEL NO. 15856-429-13

PARCEL NO. 15856-429-11

PARCEL NO. 15856-429-09

PARCEL NO. 15856-429-07

PARCEL NO. 15856-429-03

PARCEL NO. 15856-429-01

N

W E

S

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

LIMITS OF FIRE LINE AS-BUILT SURVEY

30 +/- LF OF 6" P.V.C. FIRE LINE

6" 45° BEND
N. = 1,778,923.05
E. = 629,165.34
TOP = 62.37
GROUND = 68.8

30 +/- LF OF 6" P.V.C. FIRE LINE

6" 45° BEND
N. = 1,778,852.46
E. = 629,238.60
TOP = 63.67
GROUND = 70.5

170 +/- LF OF 6" P.V.C. FIRE LINE

FIRE HYDRANT ASSEMBLY

6" VALVE
N. = 1,778,665.70
E. = 629,317.11
TOP OF NUT = 62.93
TOP OF VALVE BOX = 66.79

6" VALVE
N. = 1,778,664.39
E. = 629,322.69
TOP OF NUT = 62.76
TOP OF VALVE BOX = 66.36

6"DIA" TEE
N. = 1,778,664.83
E. = 629,317.07
TOP OF FITTING = 61.39

6" P.V.C.
TOP OF PIPE = 62.04
GROUND = 66.5

PARCEL NO. 15855-000-01

EXISTING COVERED CONCRETE MANUFACTURING BUILDING

PARCEL NO. 15861-001-000

LEGEND

(P) = PLAT DIMENSION
(F) = FIELD MEASUREMENT
(D) = DEED DIMENSION
(C) = CALCULATED DIMENSION
(X) = EXCEPTION DIMENSION
R/W = RIGHT OF WAY LINE
CB = CHORD BEARING
ORB = OFFICIAL RECORDS BOOK
PC = POINT OF CURVATURE
PRC = POINT OF REVERSE CURVATURE
PT = POINT OF TANGENCY
LB = LICENSED BUSINESS
LS = LICENSED SURVEYOR
FFE = FINISHED FLOOR ELEVATION
TRB = TELEPHONE RISER BOX
WPP = WOOD POWER POLE
CPP = CONCRETE POWER POLE
MPP = METAL POWER POLE

TBM = TEMPORARY BENCHMARK
RCP = REINFORCED CONCRETE PIPE
CMP = CORRUGATED METAL PIPE
VCP = VITRIFIED CLAY PIPE
PVC = POLYVINYL CHLORIDE
HDPE = HIGH DENSITY POLYETHYLENE
O/E = OVERHEAD ELECTRIC
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
BFP = BACKFLOW PREVENTER
A/C = AIR CONDITIONER
FOCM = FIBER OPTIC CABLE MARKER
PRM = PERMANENT REFERENCE MONUMENT
POP = PERMANENT CONTROL POINT
PSM = PROFESSIONAL SURVEYOR & MAPPER
PLS = PROFESSIONAL LAND SURVEYOR
RLS = REGISTERED LAND SURVEYOR
I.D. = IDENTIFICATION
NO. = NUMBER

= WELL
= TRAFFIC CONTROL BOX
= WATER METER
= TELEPHONE RISER BOX
= ELECTRIC BOX
= CABLE TV RISER BOX
= IRRIGATION CONTROL BOX
= WOOD POWER POLE
= GUY ANCHOR
= FIRE HYDRANT
= FIRE DEPARTMENT CONNECTION
= WATER VALVE
= SEWER VALVE
= SET 3/8" IRON ROD & CAP - LB 7389
= FOUND 5/8" IRON ROD & CAP
= FOUND 4"x4" CONCRETE MONUMENT
= SET 4"x4" CONCRETE MONUMENT - LB 7389
= FOUND 8" OCTAGONAL CONCRETE MONUMENT

= HOSE BIBB
= BURIED CABLE MARKER
= GREASE TRAP
= SANITARY MANHOLE
= STORM DRAINAGE MANHOLE
= TELEPHONE MANHOLE
= STORM INLET
= CENTERLINE
= MONITORING WELL
= LIGHT POLE
= SIGN POST
= MAILBOX
= SANITARY CLEAN-OUT
= BROKEN LINE; NOT DRAWN TO SCALE
= DEPICTS CONCRETE

STATE CERTIFIED SDVBE

ASBUILT SURVEY

FOR:

PHOENIX WOOD PRODUCTS

PREECE LAND SURVEYING, Inc.

BELLWETHER PROFESSIONAL PARK
2201 S.E. 30TH AVENUE, SUITE 102
OCALA, FL 34471
PHONE: (352) 351-0091
FAX: (352) 351-0093 FAX
EMAIL: glen@psiinc.us

(LICENSED BUSINESS NO. 7389)

SURVEYOR'S CERTIFICATION

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE ESTABLISHED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, FOR AN ASBUILT SURVEY.

8/13/19
DATE

GLEN H. PREECE JR., P.S.M., LS 5429

DATE OF FIELD SURVEY: JUNE 27, 2019

DRAWN:	J.R.C.	REVISIONS	BY	DATE
CHECKED:	G.H.P.			
F.B.	PAGES			
FILE #/#'S:	22-20-24			
SCALE: 1" = 30'		COPYRIGHT © 2019	JOB ORDER # 17-039 PH 3 ASB	

AQUA PURE WATER & SEWAGE SERVICE, LLC
3855 E. Silver Springs Blvd., Unit 107
Ocala, Florida 34470
(352) 355-2383
Laboratory Certification Number E83265

Drinking Water Total Coliform / E. coli Sample Collection & Laboratory Report Form

Date Received and Analyzed / Time Received
JUL 24'19 AM11:47

This Side To Be Completed By Client / Sample Collector (Phoenix Wood Products)

System Name: Tradewinds Utilities PWS ID:
System Phone: 352-622-4949 System Address: Tradewinds Utilities
System County: Marion Client: Phoenix Wood Products
Collector: Steve Carroll Collector Phone: 352-208-4509

Type of Supply: (check only one) [X] Community Water System
[ ] Non-Transient Non-community Water System [ ] Transient Non-community Water System
[ ] Limited Use System [ ] Other:

Reason for Sampling: (check all that apply) [ ] Distribution Routine [ ] Distribution Repeat
[ ] Raw (triggered or assessment) [ ] Raw (triggered or assessment) additional [ ] Well Survey
[X] Clearance [ ] Boil Water Notice [ ] FDACS finished product (ice) [ ] Other:

Sample Collection Date(s): (1) 7-23-19 (2) 7-24-19 PO Number:
Comments: Notify w/Results

This Side For Laboratory Use Only

Received By: MV [ ] Special [ ] TC ICE
[✓] On Ice [ ] Not On Ice 14.6 °C
[ ] Paid Check or Receipt Number and Initials:

Disinfectant Check: [X] Not Detected ____ mg/L
Comments:

Analysis Method: SM9223B (Colilert)
Time(s) Analyzed: 1:50 pm
[✓] Notified [ ] Emailed

PWS Notified by Lab of Positive Results:
Date: Time:
Person Notified:
DEP/DOH Notified by Lab of E. coli Positive Results:
Date: Time:
Notified By:

Sample Number	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	Laboratory Sample Number	Total Coliform	E. coli	DQ[2]
1	end of new line	2:10 PM		.8	M197654	A		
2	end of new line	9:15am		.8	M197655	A		

Average of disinfectant residuals for routine and repeat samples[3]

Report / Submission Number:

Unless otherwise noted, all tests performed in accordance with NELA standards. Results relate only to the samples submitted.

[ ] Free chlorine [ ] Total chlorine

Disinfectant Residual Analysis Method: [ ] DPD Colorimetric [ ] Other

Person performing disinfectant analysis is:
[ ] A certified operator (#) [ ] Supervised by a certified operator (#)
[ ] Employed by a certified lab [ ] Employed by DEP or DOH [X] Authorized representative of supplier of water

[1] For Sample Types see Instructions Item I 16
[2] DQ = Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)
[3] Complete for community and nontransient noncommunity systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.

Data Qualifiers (checked if applicable)
[ ] Y - Received improperly preserved; presence of chlorine.
[ ] Q - Received beyond holding time or with insufficient time to complete analysis.
[ ] J - Received containing less than method specified sample volume.
[ ] Other:

Michael Moore — Technical Director
7-26-19 — Date

Report to: (Name and Mailing Address)

Pick Up

DEP/DOH Use Only

[ ] Satisfactory [ ] Repeat Samples Required
[ ] Incomplete Collection Information [ ] Replacement Samples Required
Date Reviewed by DEP/DOH:
DEP/DOH Reviewing Official:

DAVIS DINKINS ENGINEERING, P.A.

2201 SE 30TH AVE, SUITE 302-1
OCALA, FLORIDA 34471

352.854.5961 (PHONE)

August 22, 2019

Mr. Javed Mayet (via US Mail & email: DEP_CD@dep.state.fl.us)
Drinking Water/Environmental Resource Permitting
Florida Department of Environmental Protection
Central Florida District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: MARION COUNTY
"PHOENIX WOOD PRODUCTS"
PERMIT NO: 0080675-004--DSGP
WATER DISTRIBUTION CERTIFICATION OF COMPLETION

Dear Mr. Mayet:

We are requesting clearance of the above referenced water system.

We have enclosed for our review the following:

- Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation [DEP Form 62-555.900(9)
- One signed and sealed As-Built Survey
- One Copy of the Bacteriological Results
- One Copy of the permit #0080675-004-DSGP

Thank you for your assistance with this project, and please do not hesitate to call if you have any questions, or need additional information.

Sincerely,

Davis L. Dinkins

Enclosures

C: Mr. David Preston (davidpreston@phoenixwood.com)

RECEIVED
AUG 27 2019
DEP Central District

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

See page 5 for instructions.

I. General Project Information

A. Name of Project: Phoenix Wood Products

B. Department of Environmental Protection (DEP) Construction Permit

Permit Number: 0080675-004-DSGP	Date Permit Was Issued: 06/20/2019

C. Portion of Project for Which Construction Is Substantially Complete and for Which Clearance Is Requested

☑ Entire Project

☐ Following Portion of Project:

D. Permittee

PWS/Company Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the permittee is a public water system (PWS).*

E. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilities		PWS Identification Number: 3424620
PWS Type: ☑ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: Charles DeMenzes	Contact Person's Title: President	
Contact Person's Mailing Address: PO Box 5520		
City: Ocala	State: FL	Zip Code: 34478
Contact Person's Telephone Number: 352-622-4949	Contact Person's Fax Number:	
Contact Person's E-Mail Address: charlie@altfo.com		

F. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation

PWS Name: Phoenix Wood Properties, LLC		PWS Identification Number:*
PWS Type:* ☐ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner:		
Contact Person: David Preston	Contact Person's Title: Agent	
Contact Person's Mailing Address: 3761 NE 36th Ave.		
City: Ocala	State: FL	Zip Code: 34479
Contact Person's Telephone Number: 352-622-1131	Contact Person's Fax Number:	
Contact Person's E-Mail Address: davidpreston@phoenixwood.com		

* *This information is required only if the owner/operator is an existing PWS.*

G. Professional Engineer in Responsible Charge of Inspecting Construction of Project*

Company Name: Davis Dinkins Engineering, P.A.		
Engineer: Davis L. Dinkins	Engineer's Florida License Number: 60058	
Engineer's Title: President		
Engineer's Mailing Address: 2201 SE 30th Ave., Ste. 302-1		
City: Ocala	State: FL	Zip Code: 34471
Engineer's Telephone Number: 352-854-5961	Engineer's Fax Number:	
Engineer's E-Mail Address: davis@dinkinsengineering.com		

* *This information is required if construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida. Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida.*

RECEIVED
AUG 27 2019
DEP Central District

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

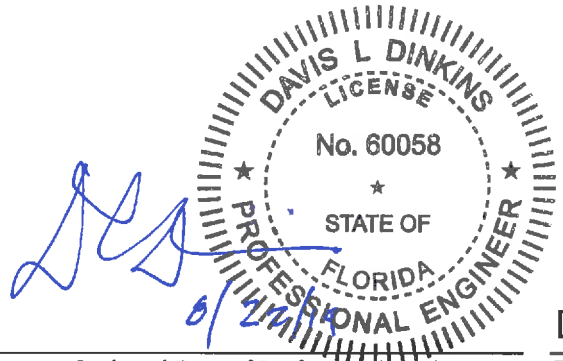
DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

II. Deviations from Department of Environmental Protection (DEP) Construction Permit for Project*

Description and explanation of all deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, for the substantially complete portion of this project:

No Substantial deviations.

I completed Part II of this form, and the information provided in Part II is true and accurate to the best of my knowledge and belief.



Signature, Seal, and Date of Professional Engineer or Signature and Date of Authorized Representative of Permittee*	Davis L. Dinkins Printed or Typed Name	60058 License Number of Professional Engineer or Title of Authorized Representative of Permittee*

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part II of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is <u>not</u> inspected under the responsible charge of a professional engineer licensed in Florida, Part II shall be completed, signed, and dated by an authorized representative of the permittee.*

III. Certifications

A. Certification by Permittee

I am duly authorized to sign this form on behalf of the permittee identified in Part I.D of this form. I certify the following:

- to the best of my knowledge and belief, the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- to the best of my knowledge and belief, the substantially complete portion of this project has been completed in accordance with the Department of Environmental Protection construction permit, including the approved preliminary design report or drawings and specifications, for this project; <u>or</u> to the best of my knowledge and belief, the deviations described and explained in Part II of this form will <u>not</u> prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will <u>not</u> own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will <u>not</u> cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings
  are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

8/8/19	Davis Preston	Agent
Signature and Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

	Charles DeMenzes	President
Signature and Date	Printed or Typed Name	Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.F of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings
  are available for review at the following location: Phoenix Wood Properties, LLC, 3761 NE 36th Ave., Ocala, FL 34479
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

8/8/19	David Preston	Agent
Signature and Date	Printed or Typed Name	Title

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-004-DSGP
Substantially Complete Portion of Project if Other than Entire Project:

D. Certification by Professional Engineer in Responsible Charge of Inspecting Construction of Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection (DEP) construction permit, including the approved preliminary design report or drawings and specifications, for this project. I, or a person acting under my responsible charge, observed construction of the substantially complete portion of this project and reviewed shop drawings, test results, and record drawings for the substantially complete portion of this project, and based upon said observation and reviews, I certify the following:

- the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- the substantially complete portion of this project has been completed in accordance with the DEP construction permit, including the approved preliminary design report or drawings and specifications, for this project; or to the best of my knowledge and belief, the deviations described and explained in Part II of this form will not prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;
- all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule; and
- the record drawings for the substantially complete portion of this project adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form.

DAVIS L. DINKINS LICENSE No. 60058 STATE OF FLORIDA PROFESSIONAL ENGINEER

6/22/19

Signature, Seal, and Date	Davis L. Dinkins	60058
	Printed or Typed Name	License Number

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is not inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D does not have to be completed.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

INSTRUCTIONS: This form shall be completed and submitted for projects permitted and constructed under specific Department of Environmental Protection (DEP) construction permits for public water system components, under the DEP's "General Permit for Construction of Water Main Extensions for Public Water Systems," or under the DEP's "General Permit for Construction of Lead or Copper Corrosion Control, or Iron or Manganese Sequestration, Treatment Facilities for Small or Medium Public Water Systems." AFTER COMPLETING, OR SUBSTANTIALLY COMPLETING, CONSTRUCTION OF A PROJECT, OR A PORTION THEREOF, AND BEFORE PLACING THE SUBSTANTIALLY COMPLETE PROJECT, OR PORTION THEREOF, INTO OPERATION FOR ANY PURPOSE OTHER THAN DISINFECTION, TESTING FOR LEAKS, OR TESTING EQUIPMENT OPERATION, complete and submit one copy of this form to the appropriate DEP District Office or Approved County Health Department along with one copy of the following information:

- the portion of record drawings showing deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, if there are any deviations from said permit (note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings);
- bacteriological test results, including a sketch or description of all bacteriological sampling locations, demonstrating compliance with subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., if the substantially complete portion of the project includes any new or altered public water system (PWS) components that must be disinfected and bacteriologically surveyed or evaluated per said subsection or said rule;
- analytical test results demonstrating compliance with Part III of Chapter 62-550, F.A.C., or subsection 62-524.650(2), F.A.C., if the substantially complete portion of the project includes any new or altered PWS components that are necessary to achieve, or affect, compliance with said part or said subsection;
- a completed Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, if the DEP construction permit was issued before the effective date of Rule 62-555.525, F.A.C., (9-22-99) and the substantially complete portion of the project creates a "new system" as described under subsection 62-555.525(1), F.A.C.; and
- any other information required by conditions in the DEP construction permit.

All information provided on this form shall be typed or printed in ink. NOTE THAT A SEPARATE CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE IS REQUIRED FOR EACH PERMITTED PROJECT. **DO NOT PLACE ANY NEW OR ALTERED PWS COMPONENTS INTO PERMANENT OPERATION UNTIL THE DEPARTMENT ISSUES WRITTEN APPROVAL, OR CLEARANCE, TO PLACE THE COMPONENTS INTO PERMANENT OPERATION.**

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

Notification of Acceptance of Use of a General Permit

Permittee:
David Preston, Agent
Phoenix Wood Properties, LLC
3761 NE 36th Avenue
Ocala, FL 34479
davidpreston@phoenixwood.com

Permit Number: 0080675-004-DSGP
Issue date: June 20, 2019
Expiration Date: June 19, 2024
County: Marion
Project Name: Phoenix Wood Products
Water Supplier: Tradewinds Utility
PWS ID: 3424620
PWS Type: Community

Dear Mr. Preston:

On June 14, 2019, the Florida Department of Environmental Protection received a "*Notice of Intent to Use the General Permit for Construction of Water Main Extensions for PWSs*" [DEP Form No. 62-555.900(7)], under the provisions of Rule 62-4.530 and Chapter 62-555, Florida Administrative Code (F.A.C.). The proposed project includes the construction of approximately 384 linear feet of 8-inch PVC water main with fittings, valves and appurtenances to serve Phoenix Wood Products. The project is located east of N.E 36th Avenue and north of N.E. 40th Place in Marion County.

Based upon the submitted Notice and accompanying documentation, this correspondence is being sent to advise that the Department does not object to the use of such general permit at this time. Please be advised that the permittee is required to abide by Rule 62-555.405, F.A.C., all applicable rules in Chapters 62-4, 62-550, 62-555, F.A.C., and the General Conditions for All General Drinking Water Permits (found in 62-4.540, F.A.C.).

The permittee shall comply with all sampling requirements specific to this project. These requirements are attached for review and implementation.

Pursuant to Rule 62-555.345, F.A.C., the permittee shall submit a certification of construction completion [DEP Form No. 62-555.900(9)] to the Department and obtain approval, or clearance, from the Department before placing any water main extension constructed under this general permit into operation for any purpose other than disinfection or testing for leaks.

Within 30 days after the sale or legal transfer of ownership of the permitted project that has not been cleared for service in total by the Department, both the permittee and the proposed permittee shall sign and submit an application for transfer of the permit using Form 62-

555.900(8), F.A.C., with the appropriate fee. The permitted construction is not authorized past the 30-day period unless the permit has been transferred.

This permit will expire five years from the date of issuance. If the project has been started and not completed by that time, a new permit must be obtained before the expiration date in order to continue work on the project, per Rule 62-4.030, F.A.C.

Sincerely,

Javed Mayet

Javed Mayet, P.E.
Engineering Specialist II
Florida Department of Environmental Protection

cc: Charles DeMenzes, Tradewinds Utilities [charlie@altfo.com]
Davis Dinkins, P.E., Davis Dinkins Engineering PA [davis@dinkinsengineering.com]
Javed Mayet, Reggie Phillips, FDEP

CLEARANCE REQUIREMENTS

Requirements for clearance upon completion of projects are as follows:

1) **Clearance Form**
Submission of a fully completed Department of Environmental Protection (DEP) Form 62-555.900(9) *Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation* and a copy of this general permit notification.

2) **Record Drawings, if deviations were made**
Submission of the portion of record drawings showing deviations from the DEP construction permit, including preliminary design report or drawings and specifications, if there are any deviations from said permit (Note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings.).

3) **Bacteriological Results**
Copies of satisfactory bacteriological analysis (a.k.a. Main Clearance), taken within sixty (60) days of completion of construction, from locations within the distribution system or water main extension to be cleared, in accordance with Rules 62-555.315(6), 62-555.330, and 62-555.340, F.A.C. and American Water Works Association (AWWA) Standard C 651-92, as follows:

- The proposed main at the point of connection to the existing main.

Each location shall be sampled on two consecutive days, with sample points and chlorine residual readings clearly indicated on the report. **A sketch or description of all bacteriological sampling locations must also be provided.**

Please submit the entire clearance document package in electronic format to DEP_CD@dep.state.fl.us. If the file is very large, you may post it to the Water Electronic Submittal folder on the Central District's ftp site at:
ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Water%20Electronic%20Applications.

After posting the document, send an e-mail to DEP_CD@dep.state.fl.us, alerting the Department that it has been posted.

Any submitted drawings (should be sized 11" x 17") and the engineer of record's signed seal and dates on the required document must be legible for acceptance.

Forms: http://www.dep.state.fl.us/water/drinkingwater/forms.htm

For further clarification contact: Javed Mayet,
Suite 232
3319 Maguire Boulevard,
Orlando, Florida 32803-3767
(407) 897-4128

MARION ROCK, INC.

AQUA PURE WATER & SEWAGE SERVICE, LLC
3855 E. Silver Springs Blvd., Unit 107
Ocala, Florida 34470
(352) 355-2383
Laboratory Certification Number E83265

Drinking Water Total Coliform / E. coli Sample Collection & Laboratory Report Form

Date Received and Analyzed / Time Received
JUL 24'19 AM11:47

This Side To Be Completed By Client / Sample Collector (Phoenix Wood Products)

System Name: Tradewinds Utilities PWS ID:
System Phone: 352-622-4949 System Address: Tradewinds Utilities
System County: Marion Client: Phoenix Wood Products
Collector: Steve Carroll Collector Phone: 352-208-4509

Type of Supply: (check only one) [X] Community Water System
[ ] Non-Transient Non-community Water System [ ] Transient Non-community Water System
[ ] Limited Use System [ ] Other:

Reason for Sampling: (check all that apply) [ ] Distribution Routine [ ] Distribution Repeat
[ ] Raw (triggered or assessment) [ ] Raw (triggered or assessment) additional [ ] Well Survey
[X] Clearance [ ] Boil Water Notice [ ] FDACS finished product (ice) [ ] Other:

Sample Collection Date(s): (1) 7-23-19 / (2) 7-24-19 PO Number:
Comments: Notify w/ Results

This Side For Laboratory Use Only

Received By: [ ] Special [ ] TC ICE
[X] On Ice [ ] Not On Ice 14.6 °C
[ ] Paid Check or Receipt Number and Initials:

Disinfectant Check: [X] Not Detected ____ mg/L
Comments:

Analysis Method: SM9223B (Colilert)
Time(s) Analyzed: 1:50 pm
[X] Notified [ ] Emailed

PWS Notified by Lab of Positive Results:
Date: Time:
Person Notified:
DEP/DOH Notified by Lab of E. coli Positive Results:
Date: Time:
Notified By:

Sample Number	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	Laboratory Sample Number	Total Coliform	E. coli	DQ[2]
1st	end of new line	2:10 PM		.8	Report / Submission Number: M197654	A		
2nd	end of new line	9:15am		.8	M197655	A		
					Average of disinfectant residuals for routine and repeat samples[3]			

Unless otherwise noted, all tests performed in accordance with NELA standards. Results relate only to the samples submitted.

[ ] Free chlorine [ ] Total chlorine
Disinfectant Residual Analysis Method [ ] DPD Colorimetric [ ] Other:
Person performing disinfectant analysis is
[ ] A certified operator (#) [ ] Supervised by a certified operator (#)
[ ] Employed by a certified lab [ ] Employed by DEP or DOH [X] Authorized representative of supplier of water

[1] For Sample Types see Instructions item I 16.
[2] DQ - Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)
[3] Complete for community and nontransient noncommunity systems serving populations up to and including 4,900. Do not include raw or plant samples in the average

Data Qualifiers (checked if applicable)
[ ] Y - Received improperly preserved; presence of chlorine
[ ] Q - Received beyond holding time or with insufficient time to complete analysis.
[ ] J - Received containing less than method specified sample volume.
[ ] Other:

Michael Moore 7-26-19
Technical Director Date

Report to: (Name and Mailing Address)

Pick Up

DEP/DOH Use Only
[ ] Satisfactory [ ] Repeat Samples Required
[ ] Incomplete Collection Information [ ] Replacement Samples Required
Date Reviewed by DEP/DOH:
DEP/DOH Reviewing Official:

" AS-BUILT SURVEY "

FIRE LINE ONLY

( ) = AS-BUILT

PARCEL NO. 15856-439-01

PARCEL NO. 15856-429-15

PARCEL NO. 15856-429-13

PARCEL NO. 15856-429-11

PARCEL NO. 15856-429-09

PARCEL NO. 15856-429-07

PARCEL NO. 15856-429-03

PARCEL NO. 15856-429-01

N

W E

S

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

EXISTING COVERED CONCRETE

LIMITS OF FIRE LINE AS-BUILT SURVEY

36 +/- LF OF 8" P.V.C. FIRE LINE

8" 45° BEND
N. = 1,778,933.05
E. = 629,165.04
TOP = 62.51
GROUND = 68.8

56 +/- LF OF 8" P.V.C. FIRE LINE

8" 45° BEND
N. = 1,778,882.48
E. = 629,226.88
TOP = 62.67
GROUND = 70.9

176 +/- LF OF 8" P.V.C. FIRE LINE

FIRE HYDRANT ASSEMBLY

8" VALVE
N. = 1,778,885.70
E. = 629,377.71
TOP OF NUT = 62.90
TOP OF VALVE BOX = 66.79

8" VALVE
N. = 1,778,884.28
E. = 629,322.60
TOP OF NUT = 62.76
TOP OF VALVE BOX = 66.38

8"x8" TEE
N. = 1,778,884.65
E. = 629,317.07
TOP OF FITTING = 61.39

8" P.V.C.
TOP OF PIPE = 62.04
GROUND = 66.3

PARCEL NO. 15855-000-01

EXISTING COVERED CONCRETE MANUFACTURING BUILDING

15" R.C.P.

PARCEL NO. 15861-001-000

RECEIVED
AUG 27 2019
DEP Central District

LEGEND

(P) = PLAT DIMENSION
(M) = FIELD MEASUREMENT
(D) = DEED DIMENSION
(C) = CALCULATED DIMENSION
(X) = EXCEPTION DIMENSION
R/W = RIGHT OF WAY LINE
CB = CHORD BEARING
ORB = OFFICIAL RECORDS BOOK
PC = POINT OF CURVATURE
PRC = POINT OF REVERSE CURVATURE
PT = POINT OF TANGENCY
LB = LICENSED BUSINESS
LS = LICENSED SURVEYOR
FFE = FINISHED FLOOR ELEVATION
TPB = TELEPHONE RISER BOX
WPP = WOOD POWER POLE
CPP = CONCRETE POWER POLE
MPP = METAL POWER POLE

TBM = TEMPORARY BENCHMARK
RCP = REINFORCED CONCRETE PIPE
CMP = CORRUGATED METAL PIPE
VCP = VITRIFIED CLAY PIPE
PVC = POLYVINYL CHLORIDE
HDPE = HIGH DENSITY POLYETHYLENE
O/E = OVERHEAD ELECTRIC
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION
BFP = BACKFLOW PREVENTER
A/C = AIR CONDITIONER
FOCM = FIBER OPTIC CABLE MARKER
PRM = PERMANENT REFERENCE MONUMENT
PCP = PERMANENT CONTROL POINT
PSM = PROFESSIONAL SURVEYOR & MAPPER
PLS = PROFESSIONAL LAND SURVEYOR
RLS = REGISTERED LAND SURVEYOR
I.D. = IDENTIFICATION
NO. = NUMBER

= WELL
= TRAFFIC CONTROL BOX
= WATER METER
= TELEPHONE RISER BOX
= ELECTRIC BOX
= CABLE TV RISER BOX
= IRRIGATION CONTROL BOX
= WOOD POWER POLE
= CUT ANCHOR
= FIRE HYDRANT
= FIRE DEPARTMENT CONNECTION
= WATER VALVE
= SEWER VALVE
= SET 5/8" IRON ROD & CAP - LB 7389
= FOUND 5/8" IRON ROD & CAP
= FOUND 4"X4" CONCRETE MONUMENT
= SET 4"X4" CONCRETE MONUMENT - LB 7389
= FOUND 8" OCTAGONAL CONCRETE MONUMENT

= HOSE BIBB
= BURIED CABLE MARKER
= GREASE TRAP
= SANITARY MANHOLE
= STORM DRAINAGE MANHOLE
= TELEPHONE MANHOLE
= STORM INLET
= CENTERLINE
= MONITORING WELL
= LIGHT POLE
= SIGN POST
= MAILBOX
= SANITARY CLEAN-OUT
= BROKEN LINE: NOT DRAWN TO SCALE
= DENOTES CONCRETE

STATE CERTIFIED SDVBE

ASBUILT SURVEY
FOR:
PHOENIX WOOD PRODUCTS

PREECE LAND SURVEYING, Inc
BELLWETHER PROFESSIONAL PARK
2201 S.E. 30TH AVENUE, SUITE 102
OCALA, FL 34471
PHONE: (352) 351-0091
FAX: (352) 351-0093 FAX
EMAIL: glen@preeinc.us
(LICENSED BUSINESS NO. 7389)

SURVEYOR'S CERTIFICATION

THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE ESTABLISHED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, FOR AN ASBUILT SURVEY.

8/13/19
DATE

GLEN H. PREECE, JR., P.S.M., LS 5427

DATE OF FIELD SURVEY: JUNE 27, 2019

		REVISIONS	BY	DATE
DRAWN:	J.R.C.			
CHECKED:	G.H.P.			
F.B.	PAGES			
FILE INFO: 22-20-24				
SCALE: 1" = 30'		COPYRIGHT © 2019	JOB ORDER # 17-039 PH 3 ASB	

Florida Rural Water Association
Flow Meter Accuracy Report Form

PERMIT INFORMATION

CONSUMPTIVE USE PERMIT NUMBER: _____ PERMITTEE NAME: Tradewinds Village

PROJECT ADDRESS: NE 43rd Pl & 27Th Court

Ocala, Florida 34478

WELL/PUMP/STATION INFORMATION

DISTRICT ID: _____ NAME: Tradewinds Distribution Meter

METER MANUFACTURER: Water Specialties SERIAL NUMBER: N/A

PWS ID: 3424620

ACCURACY TESTING

DATE OF TEST: 6/4/20

GALLONS PER MINUTE 135 SIZE/TYPE PIPE 8" Ductile

STATION METER		TESTING METER	
Initial meter reading @ start of test:	162664000	Initial meter reading @ start of test:	0
Final meter reading @ end of test:	162665000	Final meter reading @ end of test:	1040
Total gallons:	1000	Total gallons:	1040

DURATION OF TEST*: 5
Should be at least 5 minutes

PERCENT ACCURACY [(total gallons station meter/total gallons test meter)*100]: 96.15384615

PERCENT ERROR (percent accuracy-100): -3.846153846

TEST METER INFORMATION

METER MANUFACTURER: FUJI-FSC SERIAL NUMBER N8F1234T

DATE OF LAST CALIBRATION (test meter): 12/11/19

ATTACH DIAGRAM OR PHOTO OF TEST METER INSTALLATION POSITION (optional)
This is a free service provided by FRWA as a membership benefit.

TESTER INFORMATION

NAME OF PERSON PERFORMING TEST: TOM GUSTAFSON

PHONE NUMBER: 352-267-1302 EMAIL ADDRESS: TOM.GUSTAFSON@FRWA.NET

I certify that to the best of my knowledge and belief all of the information on this form is correct. I understand that making any material false statement on this form or in any attachments to it may result in revocation, in whole or in part, of the permit.

Notes:

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

June 10, 2020

Charles Demenzes, Owner
Tradewinds Utilities Inc.
NE 43rd Pl. & 27th Ct.
Ocala, FL 34478
charlie@altfo.com

Re: Tradewinds Village
PW Facility ID #3424620
Marion County

Dear Mr. Demenzes:

Department personnel conducted an inspection of the above-referenced facility on May 22, 2020. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records, and any non-compliance items which may have been identified at the time of the inspection have been corrected.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Amada Fernandez at 407-897-4159 or via e-mail at Amada.M.Fernandez@FloridaDEP.gov.

Sincerely,

Jill Farris, Manager
Central District
Florida Department of Environmental Protection

Enclosure: Inspection Report

cc: Amada Fernandez and Jill Farris, FDEP
UTILITIESMANAGEMENTTEAM@GMAIL.COM
Steve McGee, SMCGEE1953@YAHOO.COM

State of Florida
Department of Environmental Protection
Central District

SANITARY SURVEY REPORT

Plant Name **TRADEWINDS VILLAGE** County Marion PWS ID # **3424620**
Plant Location NE 43rd Place and NE 27th Court, Ocala, FL 34478 Phone 352-622-4949
Owner Name Tradewinds Utilities Inc. Phone 352-622-4949
Owner Address P.O. Box 5220, Ocala, FL 34478
Contact Person Charles Demenzes Title President Phone 352-622-4949
This Survey Date 5/22/20 Last Survey Date 7/13/17 Last Compliance Inspection Date 7/31/08

PWS TYPE: Community

PLANT CATEGORY & CLASS: 5C

MAX-DAY DESIGN CAPACITY: 950,000 gpd

PWS STATUS: Approved

TREATMENT PROCESSES IN USE
Hypochlorination

SERVICE AREA CHARACTERISTICS
Subdivision
Food Service: ☐ Yes ☐ No ☒ N/A

Number of Service Connections 375
Population Served 1,313 Basis Operator

OPERATION & MAINTENANCE LOG: Yes
Location Plant
Comments

CERTIFIED OPERATOR: Yes
Operator(s) & Certification Class-Number:
Steve McGee C-1854

Hrs/day: *Required* Visit* *Actual* Visit*
Days/wk: *Required* 5+1 *Actual* 5+1
Non-consecutive Days? ☐ Yes ☐ No ☒ N/A
Comments *Visit must total 0.6 hr/week

MONTHLY OPERATION REPORTS (MORs)
MORs submitted regularly? ☒ Yes ☐ No ☐ N/A
Data missing from MORs? ☒ No ☐ Yes ☐ N/A
Average Day (from MORs) 91,640 gpd
Maximum Day (from MORs) 250,000 gpd
Comments

Flow Measuring Device Flow Meter
Meter Size & Type 8" Water Specialties
Date Last Calibrated Unknown

RAW WATER SOURCE
☒ GROUND; Number of Wells 3
☐ PURCHASED from PWS ID #
☐ Emergency Water Source
Emergency Water Capacity

STANDBY POWER SOURCE: Yes
Source MQ Diesel - MQP30IZ
Capacity of Standby (kW) 100
Switchover: ☒ Automatic ☐ Manual
Hrs Operated Under Load 4 hrs/mo.
What equipment does it operate?
☒ Well Pumps Backup wells
☐ High Service Pumps
☒ Treatment Equipment All
Satisfy avg. daily demand? ☒Yes ☐No ☐Unknown
Audio-visual alarm? ☒Yes ☐No
Comments

PLANS AND MAPS

Coliform Sampling Plan	☒ Yes	☐ No	☐ N/A
D/DBP Monitoring Plan	☒ Yes	☐ No	☐ N/A
Lead and Copper Plan	☒ Yes	☐ No	☐ N/A
Distribution System Map	☒ Yes	☐ No	☐ N/A
Emergency Response Plan	☒ Yes	☐ No	☐ N/A

Comments

PREVENTIVE MAINTENANCE/O&M

Operation & Maintenance Manual	☒ Yes	☐ No	
Preventive Maintenance Program	☒ Yes	☐ No	☐ N/A
Flushing Program	☒ Yes	☐ No	☐ N/A
Records	☒ Yes	☐ No	☐ N/A
Isolation Valve Exercise	☒ Yes	☐ No	☐ N/A
Records	☒ Yes	☐ No	☐ N/A

Comments

CROSS CONNECTION CONTROL
BFPAs None noted # Tested Unknown
WWTP RPZ Yes Date Tested Unknown
Written Plan Yes Date Unknown
Comments

PWS ID # 3424620
Date 5/22/20

GROUND WATER SOURCE

Well Number (Florida Unique Well ID #)		1 (AAG9349)	2 (AAG9348)	3 (AAG9347)	
Year Drilled		1983	1983	1991	
Depth Drilled		285’	140’	164’	
Drilling Method		Rotary	Rotary	Rotary	
Type of Grout		Neat cement	Neat cement	Neat cement	
Static Water Level		23’	23’	23’	
Pumping Water Level		Unknown	Unknown	Unknown	
Design Well Yield		Unknown	Unknown	Unknown	
Test Yield		Unknown	Unknown	Unknown	
Actual Yield (if different than rated capacity)		Unknown	Unknown	Unknown	
Strainer		Unknown	Unknown	Unknown	
Length (outside casing)		105’	111’	88’	
Diameter (outside casing)		6”	6”	10”	
Material (outside casing)		Black steel	Black steel	Black steel	
Well Contamination History		None	None	None	
Is inundation of well possible?		No	No	No	
6’ X 6’ X 4” Concrete Pad		Yes	Yes	Yes	
SET BACKS	Septic Tank	N/A	N/A	N/A	
	Reuse Water	N/A	N/A	N/A	
	WW Plumbing	>100’	>100’	>100’	
	Other Sanitary Hazard	None observed	None observed	None observed	
PUMP	Type	Submersible	Submersible	Vertical turbine	
	Manufacturer Name	Sta-Rite	Sta-Rite	Goulds	
	Model Number	Unknown	Unknown	Unknown	
	Rated Capacity (gpm)	185	185	950	
	Motor Horsepower	10	10	75	
Well casing 12” above grade?		Yes	Yes	Yes	
Well Casing Sanitary Seal		OK	OK	OK	
Raw Water Sampling Tap		Yes*	Yes	Yes	
Above Ground Check Valve		Yes	Yes	Yes	
Security		Yes	Yes	Yes	
Well Vent Protection		Yes	Yes	Yes	

COMMENTS Well 1 and 2 serve as back-up wells. *Well 2 had threaded raw tap. Well 3 had algae on pump and wellpad.

PWS ID # 3424620
Date 5/22/20

CHLORINATION (Disinfection)
Type: ☐ Gas ☒ Hypo
Make (2) Chem-Tech Capacity 30 gpd
Chlorine Feed Rate 80% stroke
Avg. Amount of Cl_2 gas used N/A
Chlorine Residuals: Plant 0.69 Remote 0.53
Remote tap location Terry's Sports Bar & Grill
DPD Test Kit: ☐ On-site ☒ With operator
☐ None ☐ Not Used Daily
Injection Points Prior to elevated tank
Booster Pump Info N/A
Comments

Chlorine Gas Use Requirements	YES	NO	Comments
Dual System	☐	☐	
Auto-switchover	☐	☐	
Alarms:			
Loss of Cl_2 capability	☐	☐	
Loss of Cl_2 residual	☐	☐	
Cl_2 leak detection	☐	☐	
Scale	☐	☐	
Chained Cylinders	☐	☐	
Reserve Supply	☐	☐	
Adequate Air-pak	☐	☐	
Sign of Leaks	☐	☐	
Fresh Ammonia	☐	☐	
Ventilation	☐	☐	
Room Lighting	☐	☐	
Warning Signs	☐	☐	
Repair Kits	☐	☐	
Fitted Wrench	☐	☐	
Housing/Protection	☐	☐	

AERATION (Gases, Fe, & Mn Removal)
Type Capacity
Aerator Condition
Visible Algae Growth
Protective Screen Condition
Frequency of Cleaning
Date Last Inspected/Cleaned
Comments

STORAGE FACILITIES
(G) Ground (C) Clearwell (E) Elevated
(B) Bladder (H) Hydropneumatic / flow-through

Tank Type/Number	H1/ft	H2/ft*	E
Capacity (gal)	5,000	10,000	200,000
Material	Steel	Steel	Steel
Gravity Drain	Yes	Yes	Yes
By-Pass Piping	Yes	Yes	Yes
Protected Openings	Yes	Yes	Yes
Sight Glass or Level Indicator	Yes	Yes	Yes
PRV/ARV	PRV	PRV	None
Pressure Gauge	No	No	Yes
On/Off Pressure	N/A	N/A	40/60'
Access Secured	Yes	Yes	Yes
Access Manhole	Yes	Yes	Yes
Tank Sample Tap Location	On tank	On tank	Discharge piping
Date of Inspection	N/A	N/A	12/19
Date of Cleaning	N/A	N/A	12/19

Comments H1 and H2 offline since about 2015.

HIGH SERVICE PUMPS

Pump Number		
Type		
Make		
Model		
Capacity (gpm)		
Motor HP		
Date Installed		

Comments

DEFICIENCIES:

Areas of Concern	Rule	Corrective Action	Date Corrected	Significant Deficiency?
Vertical turbine pump and well pad had biogrowth.	62-555.350(2)	Thoroughly clean.	6/2/20 – Debbie Dillon stated in an email that algae growth had been treated with chlorine and removed.	No
Raw sample tap is threaded. [Well 2 had threaded raw tap.]	62-555.320(8)(b)2	Provide a downward opening, smooth-nosed raw water sampling tap with no threads, at least 12" above well pad, located before the check valve if possible & before all treatment facilities & chemical application points.	6/2/20 – Debbie Dillon stated in an email that the threaded tap had been trimmed and was no longer threaded.	No
No record that the calibration of the finished-drinking-water flow meter has been checked.	62-555.350(2)	The calibration of finished-drinking-water flow meters should be checked at least once every 5 years.	6/4/20 – Flow meter calibration was completed 6/4/20.	No

MONITORING REMINDER:

- Nitrate and nitrite samples are required to be collected from the point of entry (POE) to the distribution system annually. The 2020 results have not been received.
- The consumer confidence report (CCR) must be delivered to consumers and the Department no later than July 1, 2020, and certification of delivery of the CCR must be submitted to the Department no later than August 10, 2020.
- Monitoring schedules are available on the Central District's Drinking Water site:

https://floridadep.gov/central/central/content/resources-drinking-water-facilities-and-operators-central-district

COMMENTS:

- Contact FRWA (Florida Rural Water Association) at 850-668-2746, or frwa@frwa.net, for free technical assistance with your system. FRWA has extended benefits offered to members.
- Provide documentation that the finished-drinking-water meter has been calibrated at least every 5 years.

  Checking the calibration of finished-drinking-water meters at treatment plants shall be performed in accordance with the equipment manufacturer's recommendations or in accordance with a written preventive maintenance program established by the supplier of water. [Rule 62-555.350(2), F.A.C.]
- Suppliers of water shall submit written notification to the Department before beginning work or alterations to the public water system. Each notification shall be submitted to the appropriate Department of Environmental Protection District Office or Approved County Health Department and shall include the following: a description of the scope, purpose, and location of the work or alterations; and assurance that the work or alterations will comply with

applicable requirements listed in Rule 62-555.330, F.A.C. Suppliers of water may begin such work or alterations 14 days after providing notification to the Department unless they are advised by the Department that the notification is incomplete or that a construction permit is required.

- Suppliers of water shall telephone the SWO at 1-800-320-0519 immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system. [Rule 62-555.350(10)(a), F.A.C.]
- Suppliers of water shall telephone, and speak directly to a person at, the appropriate DEP District Office as soon as possible, but never later than noon of the next business day, in the event of any of the following emergency or abnormal operating conditions:
  - The occurrence of any abnormal color, odor, or taste in a public water system's raw or finished water;
  - The failure of a public water system to comply with applicable disinfection requirements; or
  - The breakdown of any water treatment or pumping facilities, or the break of any water main, in a public water system if the breakdown or break is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(b), F.A.C.]
- Suppliers of water shall notify affected water customers in writing or via telephone, newspaper, radio, or television; and telephone, and speak directly to a person at, the appropriate DEP District Office by no later than the previous business day before taking PWS components out of operation for planned maintenance or repair work if the work is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(d), F.A.C.]
- Suppliers of water shall issue precautionary “boil water” notices as required or recommended in the Department of Health’s “Guidelines for the Issuance of Precautionary Boil Water Notices” as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(11), F.A.C.]

amada fernandez	
Inspector Signature	*Reviewer Signature*
Amada Fernandez	Jill Farris
Printed Name	*Printed Name*
Environmental Specialist II	Environmental Manager
Title	*Title*
6/10/20	6/10/20
Date	*Date*

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

February 8, 2022

Charles Demenzes, Manager
Tradewinds Utilities, Inc.
1552 SW 7th Rd
OCALA, FL 34471
charlie@altfo.com

Re: Compliance Assistance Offer
Tradewinds Village
PW Facility ID #3424690
Marion County

Dear Mr. Demenzes:

A file review was conducted on your facility on February 7, 2022. During this file review, potential non-compliance was noted. The purpose of this letter is to offer compliance assistance as a means of resolving this matter.

Specifically, Department records indicate your facility did not perform required testing for *lead and copper* sampling/testing, which were required to be *performed triennially* per rule 62-550, Florida Administrative Code (F.A.C) or according to your permit. The report was due by October 10, 2021 and was submitted late. The report was received by the Department on February 2, 2022.

We request you review the item of concern noted and respond in writing within **15 days** of receipt of this Compliance Assistance Offer. Your written response should include the following:

1. Describe what has been done to resolve the non-compliance issue or provide a schedule describing how/when the issue will be addressed.
   - Provide documentation on steps that have been taken to prevent future sampling omissions.
   - The system has incurred a monitoring and reporting violation. For community water systems, this violation must be included on the CCR issued in 2022.
2. Provide the requested information, or information that mitigates the concerns or demonstrates them to be invalid.

It is the Department's desire that you are able adequately address the aforementioned issues so that this matter can be closed. Your failure to respond promptly may result in the initiation of formal enforcement proceedings.

Please address your response and any questions to Miranda Rothenberger of the Central District Office at 407-897-4301 or via e-mail at Miranda.Rothenberger@FloridaDEP.gov. We look forward to your cooperation with this matter.

Sincerely,



Daniel Hall, Environmental Manager
Central District
Florida Department of Environmental Protection

cc: Miranda Rothenberger, FDEP
Reuben Law, randkenvironmental@outlook.com

FLORIDA DEPARTMENT OF Environmental Protection

Southwest District Office
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

October 26, 2023

Cobbs Landing Community Association, Inc.
% Jackie Stubba
720 Brooker Creek Boulevard, Suite 206
Oldsmar, Florida 34677
jstubba@earthlink.net

Dear Jackie Stubba:

Enclosed is the Environmental Resource Permit, DEP Project No. 52-0224625-001-EI, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you and for any affected third party are described in the text of the permit along with conditions that must be met when authorized activities are undertaken.

You, as the applicant, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general conditions and specific conditions contained herein.

Please be aware of permit General Condition number 4, which states, "At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice"."

If you have any questions about this document, please contact me at Casey.A.Smith@FloridaDEP.gov or (813) 470-5868. Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely,

Casey Smith
Environmental Specialist II
Permitting and Waste Cleanup Program

cc: Casey Smith, Southwest District, Casey.A.Smith@floridadep.gov
ERP Permitting, Southwest District, sw_erp@floridadep.gov
Terri Skapik, Woods Consulting, terriskapik@woodsconsulting.org

Enclosure: Environmental Resource Permit with Attachments (30 pages)

FLORIDA DEPARTMENT OF
Environmental Protection

Southwest District Office
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Permittee:
Cobbs Landing Community Association, Inc.
% Jackie Stubba
720 Brooker Creek Boulevard, Suite 206
Oldsmar, Florida 34677

Dock Reconfiguration

Authorized Agent:
Terri Skapik
1714 County Road, Suite 22
Dunedin, Florida 34683

Individual Environmental Resource Permit

State-owned Submerged Lands Authorization – Approved/Pending Document Execution

U.S. Army Corps of Engineers Authorization – Not Approved

Permit No.: 52-0224625-001-EI

Permit Issuance Date: October 26, 2023
Permit Construction Phase Expiration Date: October 26, 2028

FLORIDA DEPARTMENT OF
Environmental Protection

Southwest District Office
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Consolidated Environmental Resource Permit and Recommended Intent to Grant Sovereignty Submerged Lands Authorization

Permittee: Cobbs Landing Community Association, Inc.
Permit No: 52-0224625-001-EI

PROJECT LOCATION

The activities authorized by this permit and sovereignty submerged lands authorization are located at Parcel ID: 32-27-16-00000-420-0100 in Palm Harbor, Florida 34684, in Section 32, Township 27 South, Range 16 East in Pinellas County, at latitude 28.093306/longitude 82.720633.

PROJECT DESCRIPTION

The permittee is authorized to repair and replace approximately 1,116-square-feet of the northwest docking structure walkway, repair and replace approximately 680-square-feet of finger piers and remove approximately 665-square-feet of finger piers to replace with an approximately 1,360-square-foot observation deck within Lake Tarpon, a Class III Outstanding Florida Waterbody, and part of the Pinellas County Aquatic Preserve. No changes to the Southeast dock are proposed. Those activities result in the total use of 30 wet slips, comprise 5,700 square feet of over-water surface area, and 49,248.16 square feet of preemption of state-owned sovereignty submerged lands. Authorized activities are depicted on the attached exhibits.

No direct impacts to submerged resources are anticipated from construction of the docking structure, therefore no mitigation is required.

AUTHORIZATIONS

Environmental Resource Permit

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

Sovereignty Submerged Lands Authorization

The activity is located on sovereignty submerged lands owned by the State of Florida. It therefore also requires authorization from the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), pursuant to Article X, Section 11 of the Florida Constitution, and Section 253.77, F.S., and Chapter 258, F.S.

The final documents required to execute the lease will be sent to the permittee by the Department's Division of State Lands for execution. The Department intends to issue the lease, upon satisfactory execution of those documents, including payment of required fees and compliance with the conditions in the attached permit. **You may not begin construction of the activities described until you receive a copy of the executed lease from the Department.**

Federal Authorization

Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **shall be required** from the Corps. You must apply separately to the Corps using the Application for Department of the Army Permit (ENG 4345) or alternative as allowed by Corps regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook:

(https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/).
Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Coastal Zone Management

Issuance of this authorization also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

Water Quality Certification

This permit also constitutes a water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. 1341

Other Authorizations

You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT SOVEREIGNTY SUBMERGED LANDS CONDITIONS

The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to

revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit and sovereignty submerged lands authorization, as described.

SPECIFIC CONDITIONS

1. Submittals required herein (e.g., progress reports, as-built drawings, etc.) shall include the permittee's name and permit number 52-0224625-001-EI and shall be directed by e-mail to SW_ERP_CAP@floridadep.gov with a subject line of "Compliance: permit number 52-0224625-001-EI", or by mail to:

   Department of Environmental Protection
   Southwest District
   ATTN: ERP Compliance Assurance
   13051 North Telecom Parkway, Suite 101
   Temple Terrace, FL 33637-0926

2. The structure/work authorized by this permit shall not be placed/conducted on any property, other than that owned by the permittee, without the prior written approval of that property owner.

3. In the event the permittee files for bankruptcy prior to completion of work permitted and required by this permit, the permittee must notify the Department within 30 days of filing. The notification shall identify the bankruptcy court and case number and shall include a copy of the bankruptcy petition.

4. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or applicant associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to FWCConservationPlanningServices@MyFWC.com.

SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION

5. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards (>29 NTU's above background, pursuant to Rule 62-302, F.A.C. Methods may include, but are not limited to the installation of turbidity screens around the immediate project site.

6. The terms, conditions, and provisions of the required lease shall be met. Construction of this activity shall not commence on sovereign submerged lands, title to which is held by the Board of Trustees of the Internal Improvement Trust Fund, until all required lease

agreement documents (BOT No: 520462453) have been executed to the satisfaction of the Department.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

7. Wetland areas or waterbodies that are outside the specific limits of construction authorized by this permit, must be protected from erosion, sedimentation, siltation, scouring, excess turbidity, and/or dewatering. There shall be no discharge in violation of the water quality standards in Chapter 62-302, F.A.C. Turbidity/erosion controls shall be installed prior to clearing, excavation or placement of fill material, shall be maintained until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than 29 NTU's above background. The turbidity and erosion control devices shall be removed within 14 days once these conditions are met.

8. Areas of exposed soils shall be isolated from wetlands or other surface waters to prevent erosion and deposition of these soils into wetlands or other surface waters during construction and operation of permitted activities.

9. The permittee shall be responsible for ensuring erosion control devices/procedures are inspected and maintained daily during all phases of construction authorized by this permit until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

10. A floating turbidity apron/curtain shall be installed around the waterward boundary of the construction area prior to construction and shall remain in place until construction is complete and turbidity levels within the work area have returned to background levels.

11. Floating turbidity curtains with weighted skirts that extend to within 1 ft. of the bottom shall be placed prior to the initiation of work authorized by this permit. The screens shall be maintained and remain in place for the duration of the construction to ensure turbidity levels outside the construction area do not violate state water quality standards (>29 NTU's over background). The permittee shall be responsible for inspecting and maintaining turbidity control devices so turbidity does not exceed state water quality standards (>29 NTU's over background) outside of the turbidity screens. Turbidity shall be monitored as described in the monitoring portion of this permit.

12. The following measures shall be taken immediately by the permittee when turbidity levels within waters of the State surrounding the project site exceed the ambient water quality levels of the Outstanding Florida Waters:

    a. Immediately cease work contributing to the water quality violation.

    b. Stabilize exposed soils contributing to the violation. Modify the work procedures responsible for the violation, install additional turbidity containment devices and repair non-functioning turbidity containment devices.

    c. Notify the Department within 24 hours of the time the violation is first detected.

13. The permittee shall report any damage to wetland areas as a result of construction to the Department within 24 hours.

14. This permit does not authorize the construction of additional structures not illustrated on the permit drawings. Examples of additional structures that are not authorized by this permit include but are not limited to: doors, awnings, and decking around or under the bottom of the pile supported structures. Storage of equipment, pesticides, herbicides, construction material, trash receptacles, or part of a septic tank system beneath the pile-supported structure is prohibited.

15. Wood pilings shall be entirely wrapped with High Density Polyethylene or vinyl sheeting with a minimum of 30-mil thickness from below the mud line to two feet above the mean high-water line. Pilings that have to be replaced during the life of the facility shall meet the requirements of this condition.

16. Watercraft associated with the construction of the permitted structure shall operate within waters of sufficient depth to preclude bottom scouring/prop dredging. There shall be a minimum 12-inch clearance between the deepest draft of the vessel (with the motor in the down position) and the top of submerged resources as measured at mean low water.

17. Handrails shall be installed, as depicted on sheet 7 attached, concurrently with dock construction. Handrails shall be constructed to eliminate access by boaters and shall be maintained for the life of the facility.

18. Mooring is not authorized outside of the designated mooring locations as indicated in the attached permit drawings. In order to ensure compliance with this condition, "No Mooring" signs shall be posted in such a manner as to be clearly visible by boaters using the facility.

19. Unauthorized impacts to wetlands and the shoreline as a result of the authorized construction shall be reported to the Department within 24 hours.

20. Storage or stockpiling of tools and materials (i.e., lumber, pilings, debris) within wetlands or other surface waters is prohibited.

SPECIFIC CONDITIONS - CONSTRUCTION COMPLETION

The permittee shall comply with the following conditions prior to the transfer to operation phase of the facility. All documentation required below shall be included with the permittee's request to transfer the project to the operation phase [Form No. 62-330.310(2), F.A.C.]

21. Within 30 days after completion of construction of the permitted or authorized activity, and prior to transfer to operation, the permittee shall submit photographs of the completed structure. The photographs shall show the size and dimensions of all existing structures and activities within the permitted project area. Constructed deviations may require a permit modification and/or easement.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

22. There shall be a minimum 12-inch clearance between the deepest draft of the vessel (with the motor in the down position) and the top of submerged resources for all vessels associated with the use of the docking facility as measured at mean low water.

23. Fish cleaning stations shall not be allowed on structures over the water unless sufficient measures are in place (i.e., signage, sink screens, waste receptacles, etc.) to ensure that overboard discharges of trash and/or animal waste do not occur at the dock. The permittee shall submit a plan for Department review and approval prior to installation of any fish cleaning stations.

24. Boat maintenance or repair activities that require the removal of a vessel from the water, or removal of major portions of the vessel, including the engine, for purposes of routine repair or maintenance on site are prohibited over water at the facility, except where such activities are necessitated by emergency conditions which have resulted in or can result in the sinking of a vessel. Specifically prohibited shall be hull scraping, stripping, sanding, painting, recoating, and other maintenance or repair activities that may result in degradation of water quality from discharges or release of potential contaminants into waters of the state.

25. The slips shall not be occupied by liveaboards. A liveaboard is defined as a vessel docked at a facility and inhabited by a person or persons for any five (5) consecutive days or a total of ten (10) days within any thirty (30) day period.

26. The handrails and no mooring signs required in Specific Conditions # 17 & 18 shall be maintained for the life of the facility.

SPECIFIC CONDITIONS - OTHER LISTED SPECIES

27. If new information (e.g. listing of new species, new critical habitat, etc.) shows that the magnitude of impacts to federally listed species has the potential for adverse effects, the U.S. Fish and Wildlife Service (USFWS) will notify the Department. The Department will initiate coordination with the permittee and with the USFWS to determine what adverse impacts are likely and if additional minimization measures, reporting, or monitoring are required in order to be consistent with the Endangered Species Act, as deemed necessary by USFWS.

28. The Permittee shall report any injured, sick, or dead federally or state listed animal(s) discovered onsite to the Florida Fish and Wildlife Conservation Commission Wildlife Alert number at 888-404-FWCC (3922).

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation, June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

5. Unless the permit is transferred under rule 62-330.340, F.A.C., or transferred to an operating entity under rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms, and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
   a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or
   b. For all other activities – "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].
   c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:
   a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Florida Department of State, Division of Corporations, and a copy of

any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
b. Within 30 days of submittal of the as-built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:
a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in chapter 62-330, F.A.C.;
b. Convey to the permittee or create in the permittee any interest in real property;
c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The permittee shall notify the Agency in writing:
a. Immediately if any previously submitted information is discovered to be inaccurate; and
b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact

the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1), above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-

106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative

hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation
Mediation is not available in this proceeding.

FLAWAC Review
The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review
Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Shannon Herbon
Permitting Program Administrator
Permitting and Waste Cleanup Program
Southwest District

Attachments:
1. Project Drawings and Design Specs., 10 pages
2. Construction Commencement Notice/Form 62-330.350(1)
3. As-built Certification and Request for Conversion to Operational Phase/ Form 62-330.310(1)
4. Request for Transfer to the Perpetual Operation Entity/Form 62-330.310(2)
5. Request to Transfer Permit/Form 62-330.340(1)
6. Operation and Maintenance Inspection Certification/Form 62-330.311(1)

Copies furnished to:
U.S. Army Corps of Engineers, tampareg@usace.army.mil
ERP Permitting, Southwest District, sw_erp@FloridaDEP.gov
Casey Smith, Southwest District, Casey.A.Smith@FloridaDEP.gov
Terri Skapik, Woods Consulting, terriskapik@woodsconsulting.org

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit and authorization to use sovereignty submerged lands, including all copies, were mailed before the close of business on **October 26, 2023,** to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

Clerk

October 26, 2023
Date

SCALE: NTS

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)



F:\Users\tskapik\Documents\Project Drawings\Cobbs Landing\Cobbs Landing R1 08-23-23.dwg

SHEET 1

MUNICIPAL APPROVAL

COBBS LANDING

LOCATION MAP

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

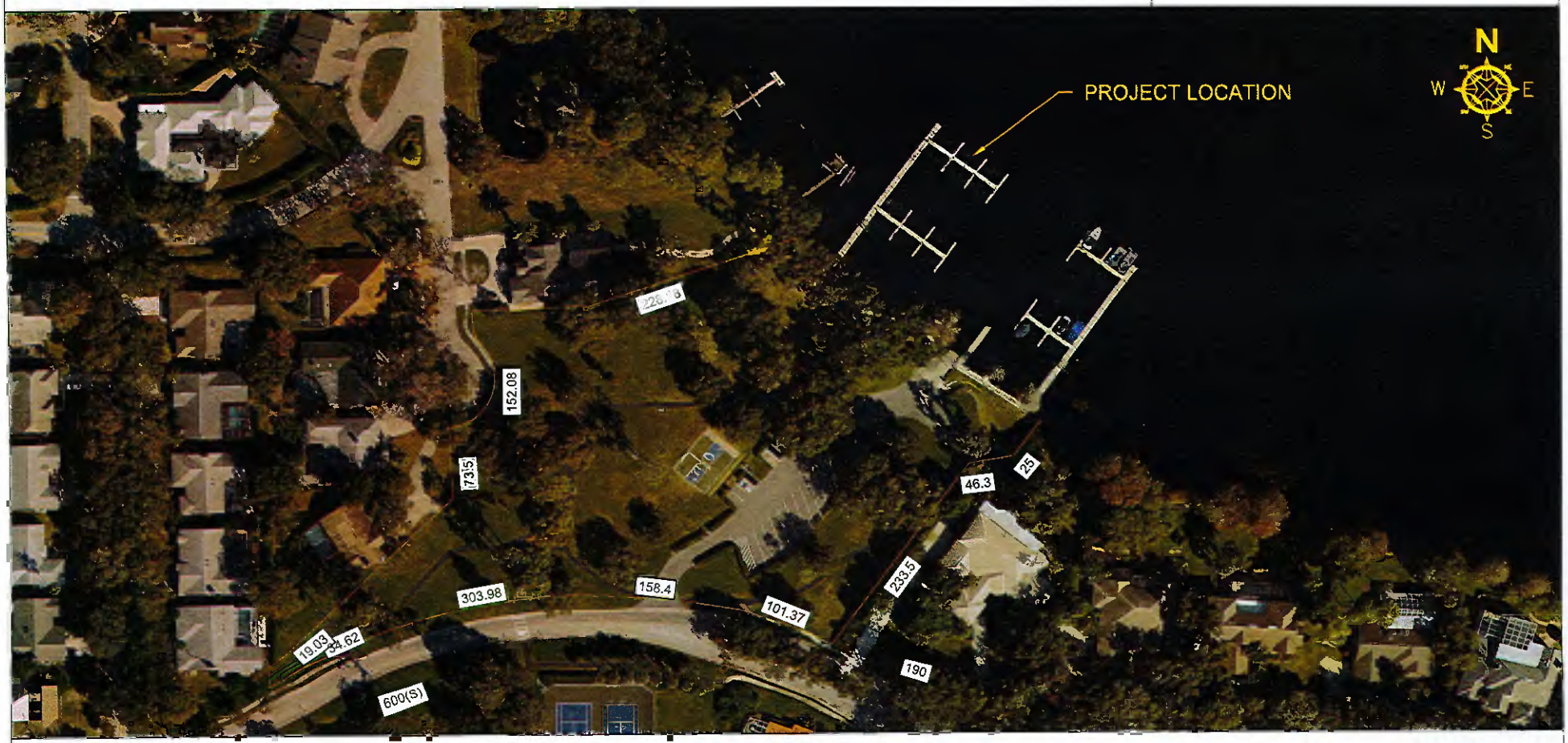
RICHARD WASILEWSKI LICENSE No. 15586 STATE OF FLORIDA PROFESSIONAL ENGINEER

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 560-4341
FAX: (727) 530-3790

SCALE: 1" = 150'

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)



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SHEET 2

MUNICIPAL APPROVAL

COBBS LANDING

EXISTING CONDITIONS WITH 2017 AERIAL

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

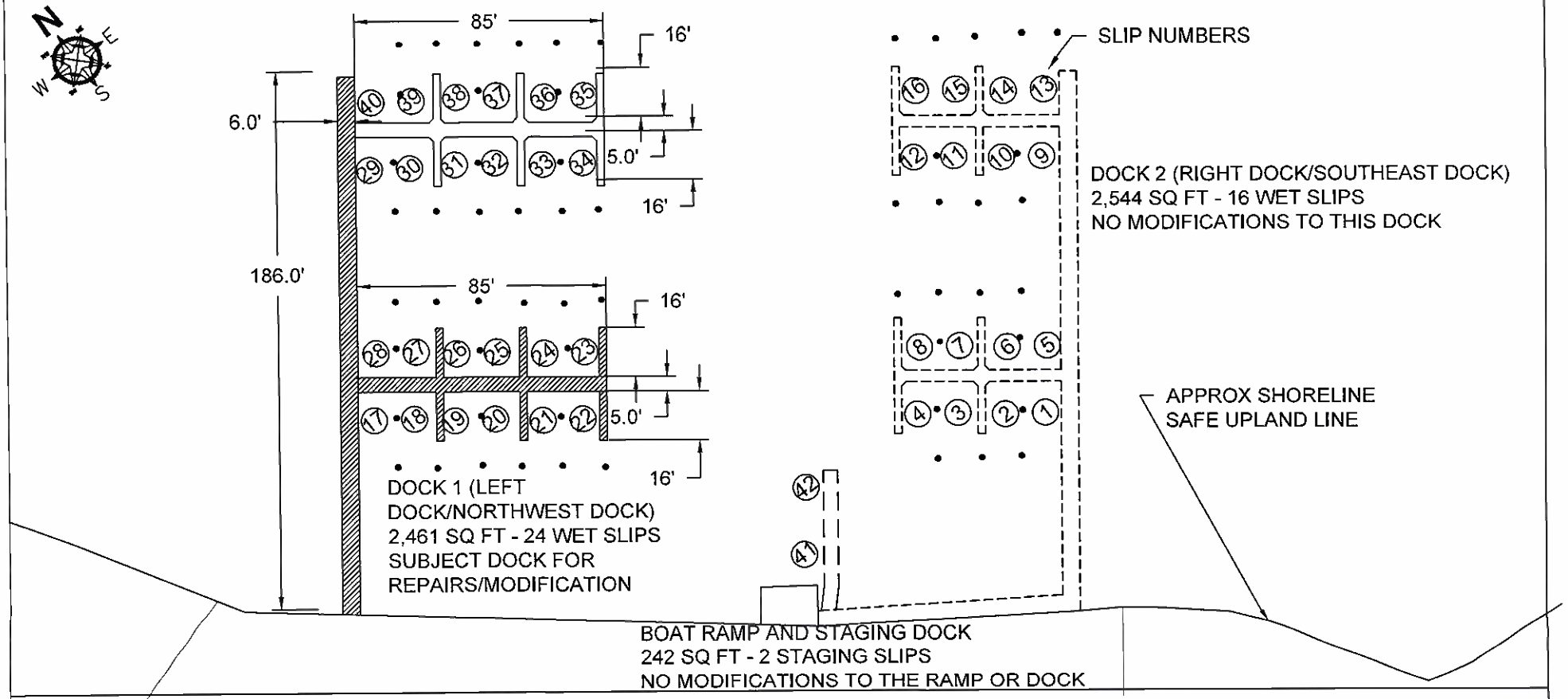
PROFESSIONAL ENGINEER
RICHARD WASILEWSKI
LICENSE
No. 15586
STATE OF FLORIDA

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580 4341
FAX: (727) 530-3790

SCALE: 1" =50'

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)



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SHEET 3

MUNICIPAL APPROVAL

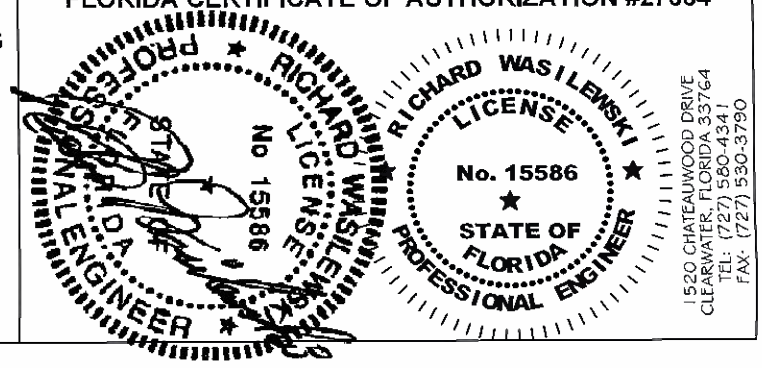
COBBS LANDING

EXISTING DOCKS

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

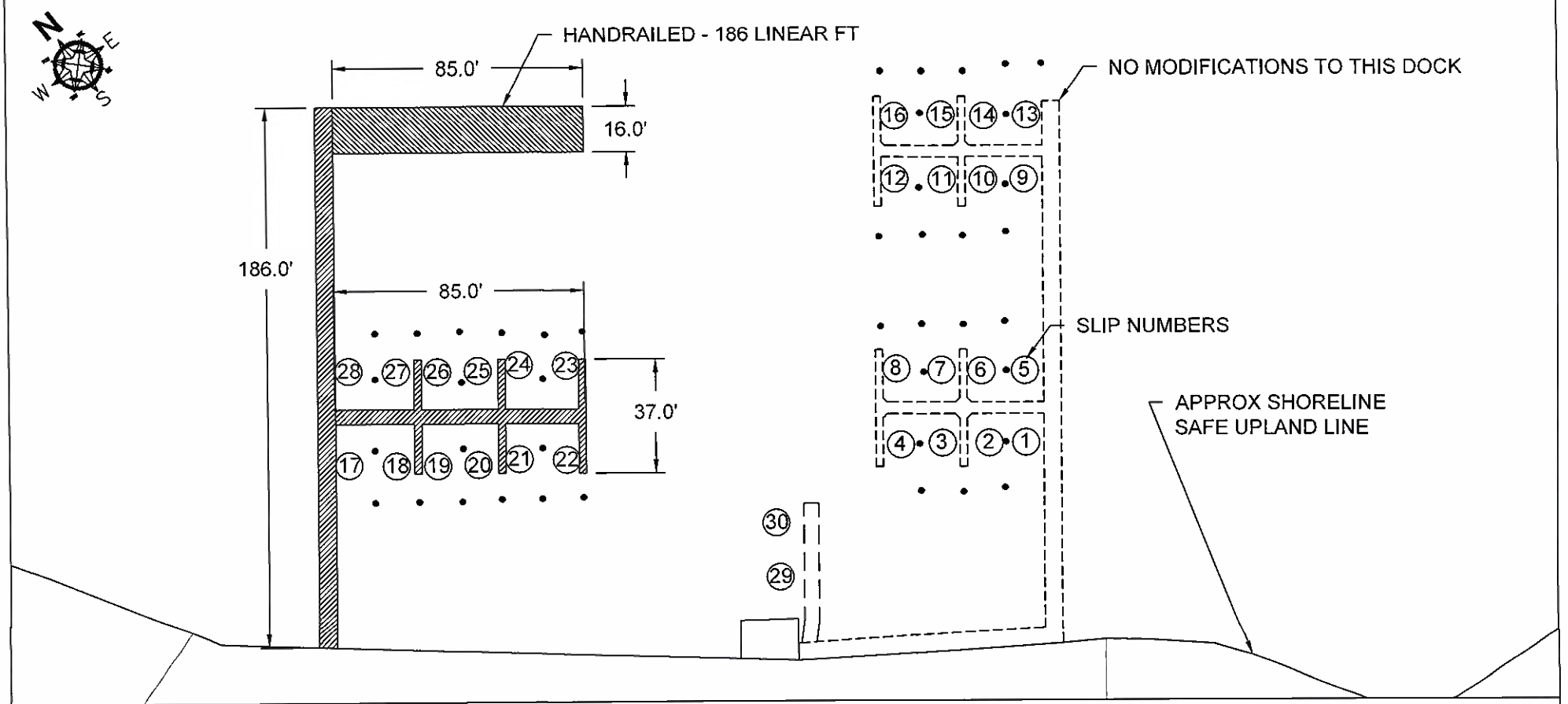


1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3790

SCALE: 1" =50'

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)



F:\Users\tskapik\Documents\Project Drawings\Cobbs Landing\Cobbs Landing R1 08-23-23.dwg

SHEET 4

MUNICIPAL APPROVAL

COBBS LANDING

PROPOSED CHANGES

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

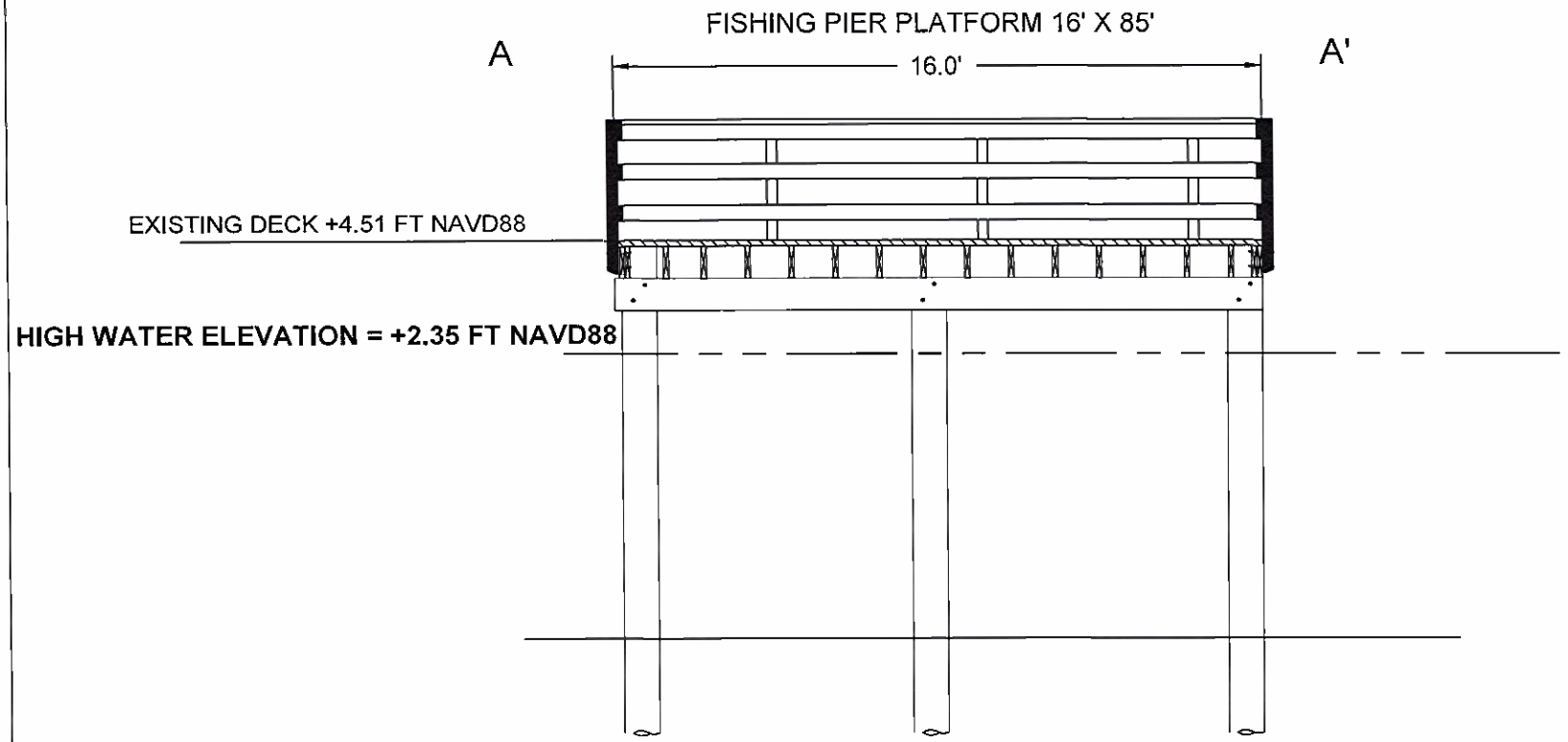
RICHARD WASILEWSKI LICENSE No. 15586 STATE OF FLORIDA PROFESSIONAL ENGINEER

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3790

SCALE: 1" = 5'

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)



SECTION VIEW A - A'

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SHEET 5

MUNICIPAL APPROVAL

COBBS LANDING

VIEWING/FISHING PIER

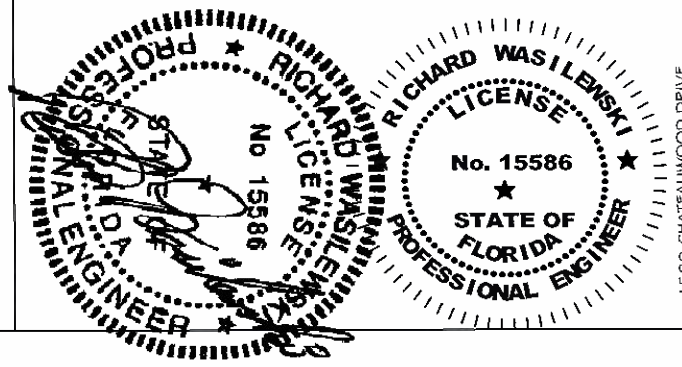
SECTION A - A'

WOODS CONSULTING

1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

FLORIDA CERTIFICATE OF AUTHORIZATION #27664



1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3790

SCALE: NONE

MULTI-USE

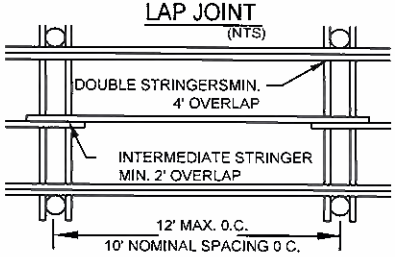
Application # _____ (OFFICIAL USE ONLY)

It is the intent of the following construction details to be a reference guide for quality, structural and safety standards. All structures to meet local, and or state guidelines for aquatic and marine construction.

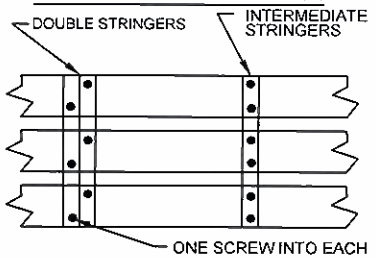
GENERAL DOCK NOTES:

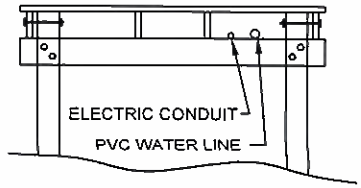
1. ALL DECKING TO BE TRIMMED, BOTH SIDES.
2. ALL PILINGS TO BE SEATED WITH A FREE FALLING HAMMER IF WATER JETTING IS INSTALLATION METHOD. ALL PILES TO BE TRIMMED SAME HEIGHT.
3. PILING CENTER TO CENTER SPACING ON ALL FIXED DOCKS TO BE 10' NOMINAL AND NOT TO EXCEED 12'.
4. DOCK FRAMING AND DECKING TO BE CONSTRUCTED USING STAINLESS STEEL SCREWS (SCREWS TO BE TYPE SPECIFIC FOR MATERIAL UTILIZED).
5. ALL DOCK FRAMING OTHER THAN DECKING TO BE MINIMUM GRADE 2 LUMBER.
6. RASP OR FEATHER ALL SAWCUTS.
7. ALL CONSTRUCTION TO MEET OR EXCEED COUNTY REQUIREMENTS LISTED IN SECTIONS 166-(332, 333, & 334) OF THE PINELLAS COUNTY WATER AND NAVIGATION CONTROL AUTHORITY REGULATIONS MANUAL.
8. CCA WOOD NOT ACCEPTABLE FOR DECKING OR RAILING MATERIALS. WOOD TREATMENT AS FOLLOWS ARE ACCEPTABLE: ALKALINE COPPER QUATERNARY (ACQ), IF ACQ TREATMENT IS UTILIZED, THEN THE WOOD NEEDS TO BE SEALED WITH AN ENGINEER-APPROVED SEALANT.
9. IF A MAIN DOCK SUPPORT PILING FALLS IN CLOSE PROXIMITY (LESS THAN 2 FEET) TO A BOLLARD PILING REQUIRED FOR A FINGER PIER, THE BOLLARD PILING MAY BE USED FOR BOTH PURPOSES PROVIDING THE CENTER TO CENTER SPANS OF THE DOCK SUPPORT PILINGS DO NOT EXCEED 12 FEET.
10. 5/8" GALVANIZED FASTENERS ARE NOT TO BE USED IN WOOD WITH COPPER AZOLE TREATMENT
11. PILES TO BE WRAPPED FROM THE MUD (SILT) LINE TO 2.0' ABOVE THE MEAN HIGH WATER LINE (MHWL). WITH PRIME HIGH DENSITY POLYETHYLENE 30 MILS OR .030" THICK.
12. ALL WOOD PLANKING IS TO BE NO MORE THAN 8" WIDE AND HAVE A MINIMUM SPACING OF NO LESS THAN 1/2" APART AFTER SHRINKAGE.
13. PILINGS TO BE INSTALLED IN AREAS CONTAINING AQUATIC VEGETATION, IF PRESENT, TO BE INSTALLED BY JETTING WITH A 3" PUMP REDUCED TO A 1-$\frac{1}{4}$" (JET PIPE), AUGERING AND DRIVING. SHOULD ANY ACCUMULATION OF SEDIMENT OCCUR AT THE BASE OF THE PILING, IT IS TO BE REMOVED FROM THE AREA.

INTERMEDIATE STRINGER LAP JOINT (NTS)



DECK SCREW PATTERN





UTILITY SECTION VIEW

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SHEET 6

MUNICIPAL APPROVAL

COBBS LANDING

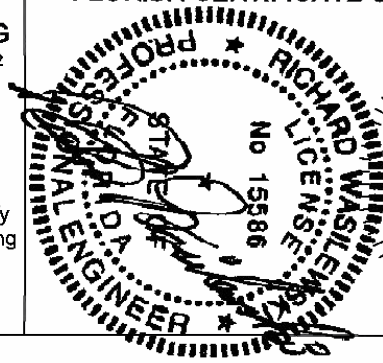
PROPOSED DOCK NOTES

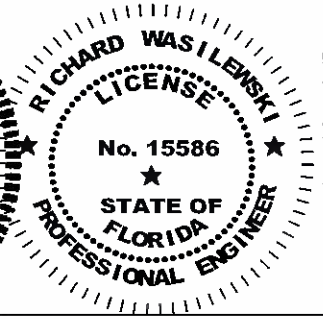
WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

08-23-23: Updated to clarify deck board size and spacing over aquatic vegetation.

FLORIDA CERTIFICATE OF AUTHORIZATION #27664



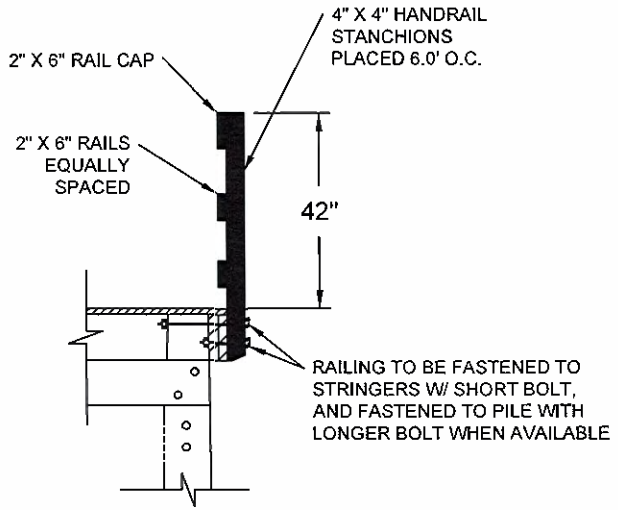


1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3790

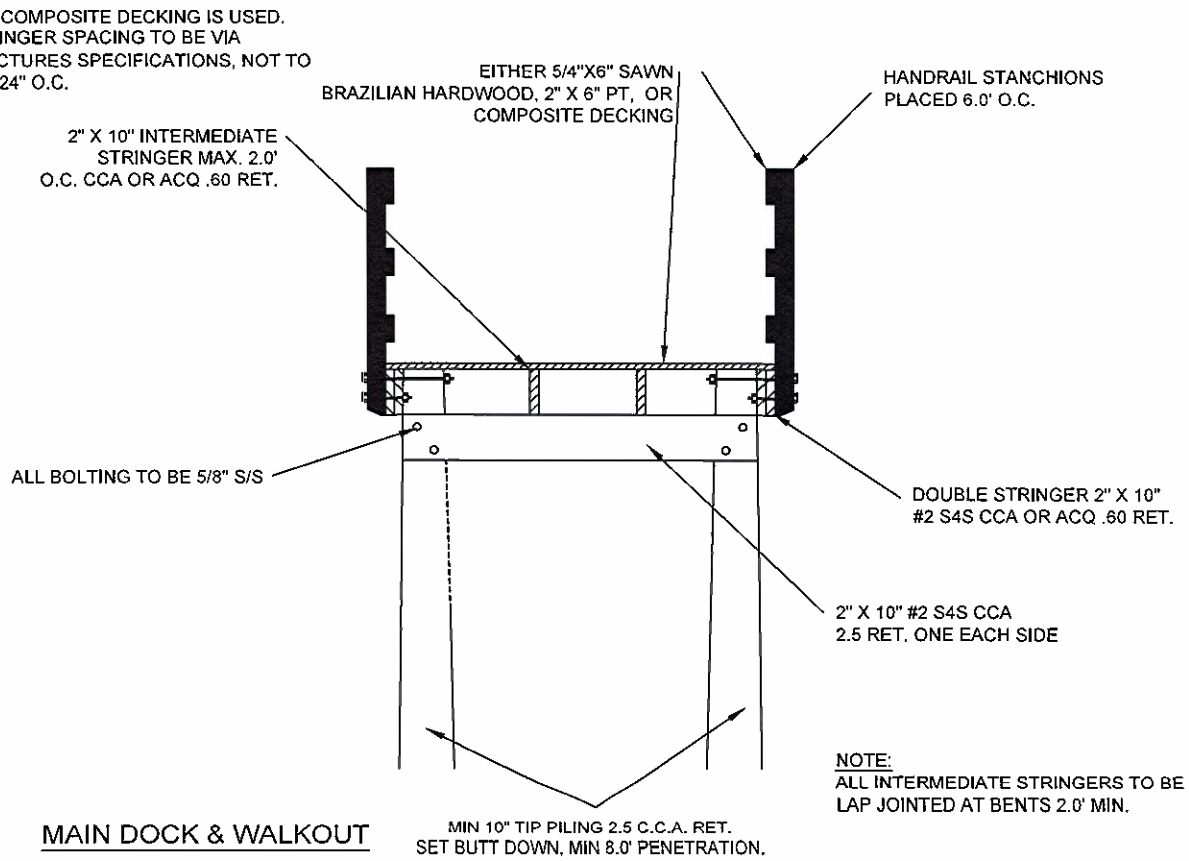
SCALE: NONE

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)



HANDRAIL DETAIL



MAIN DOCK & WALKOUT

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SHEET 7

MUNICIPAL APPROVAL

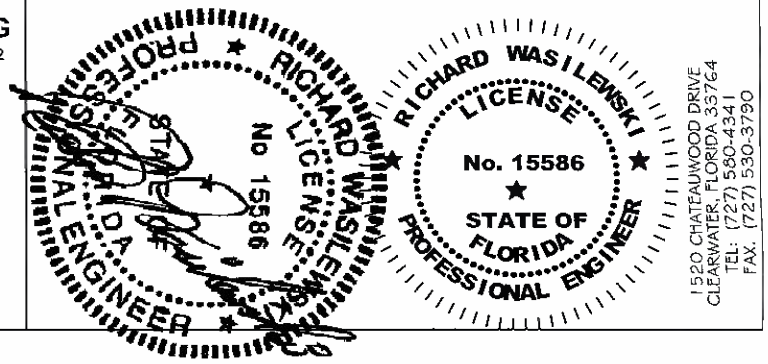
COBBS LANDING

PROPOSED DOCK DETAILS

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

FLORIDA CERTIFICATE OF AUTHORIZATION #27664



SCALE: NONE

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)

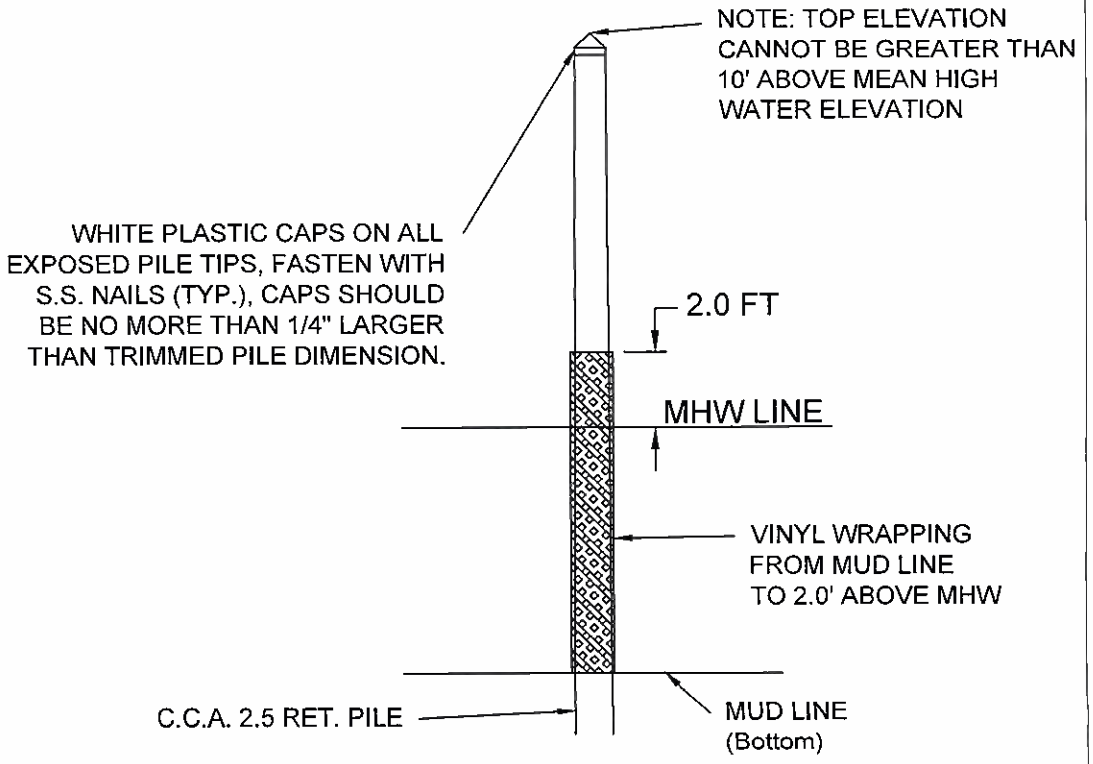
Prime High Density Polyethylene Specifications for Pile Wrapping Material

PROPERTY	TYPICAL VALUE		ASTM TEST METHOD
Melt Index 190°C/2.16 g/10 min	0.25 - 0.35		D 1238
Density	g/cc	0.955	D 1505
Tensile Strength @ Yield psi	4000		D 638
Elongation %	> 600		D 538
Cold Crack Temperature	(-76°C)		D 746
Flexural Modulus psi	200M		D 790
Environmental Stress Cracking	F90h	45	D 1693

Underwriter Laboratory flammability rating: 94HB

Complies with FDA Regulation 21 CFR 177.1520

NOTE: ALL CCA TREATED PILES TO BE VINYL WRAPPED FROM MUD (SILT) LINE TO 2.0' ABOVE THE MEAN HIGH WATER LINE (MHW) WITH PRIME HIGH DENSITY POLYETHYLENE 30 MILS OR .030" THICK



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SHEET 8

MUNICIPAL APPROVAL

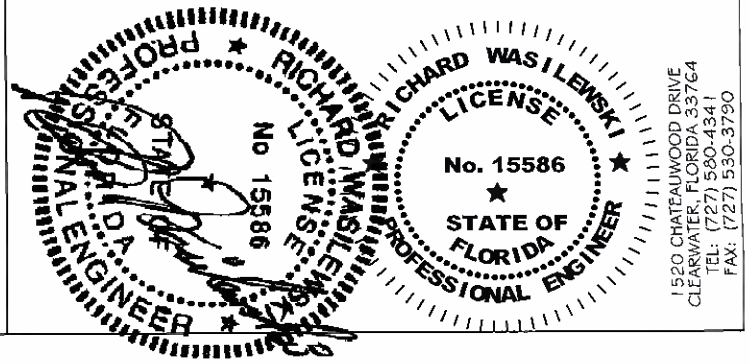
COBBS LANDING

PILE WRAPPING

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

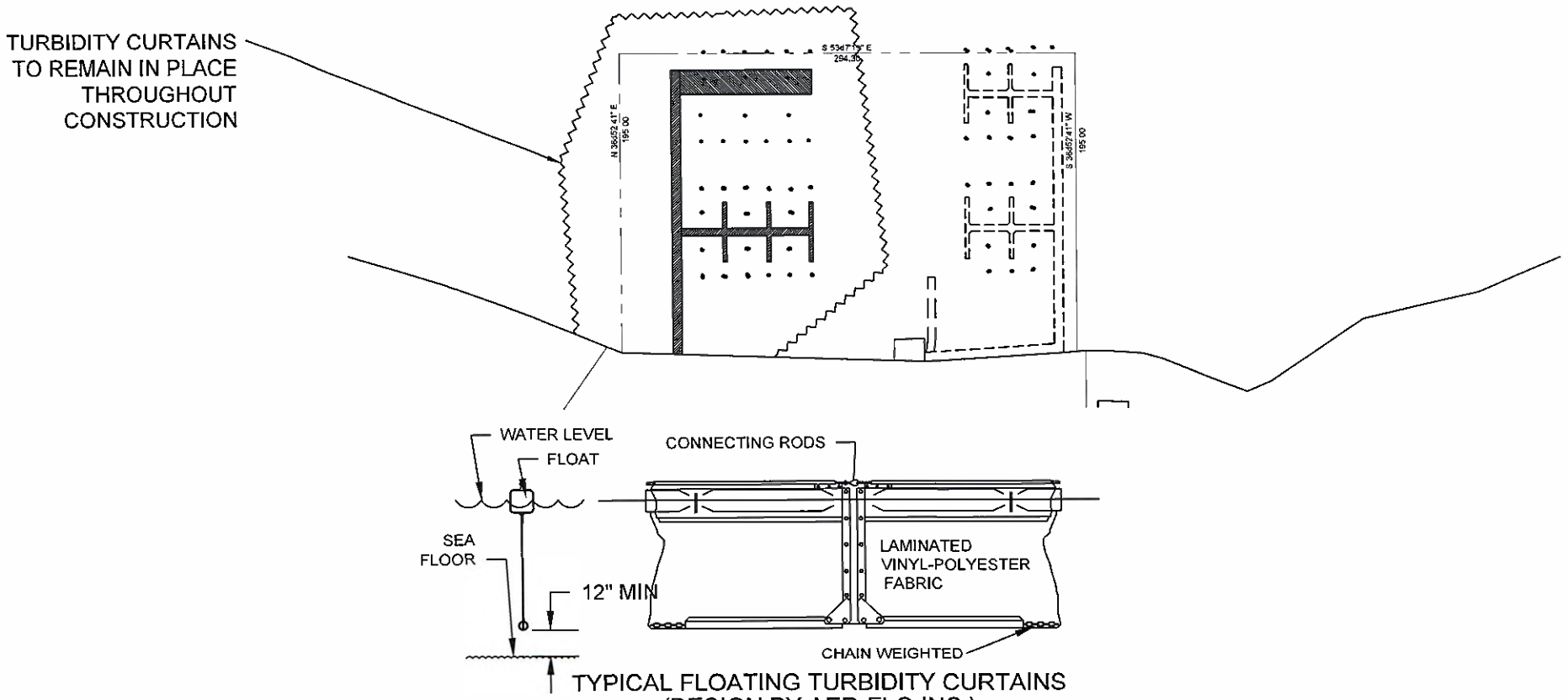
FLORIDA CERTIFICATE OF AUTHORIZATION #27664



SCALE: NONE

MULTI-USE DOCK

Application # _____ (OFFICIAL USE ONLY)



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SHEET 9

MUNICIPAL APPROVAL

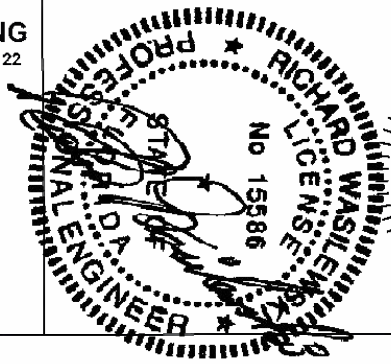
COBBS LANDING

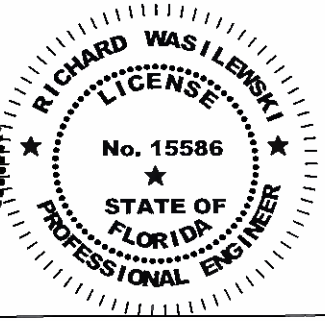
TURBIDITY CONTROL

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

FLORIDA CERTIFICATE OF AUTHORIZATION #27664



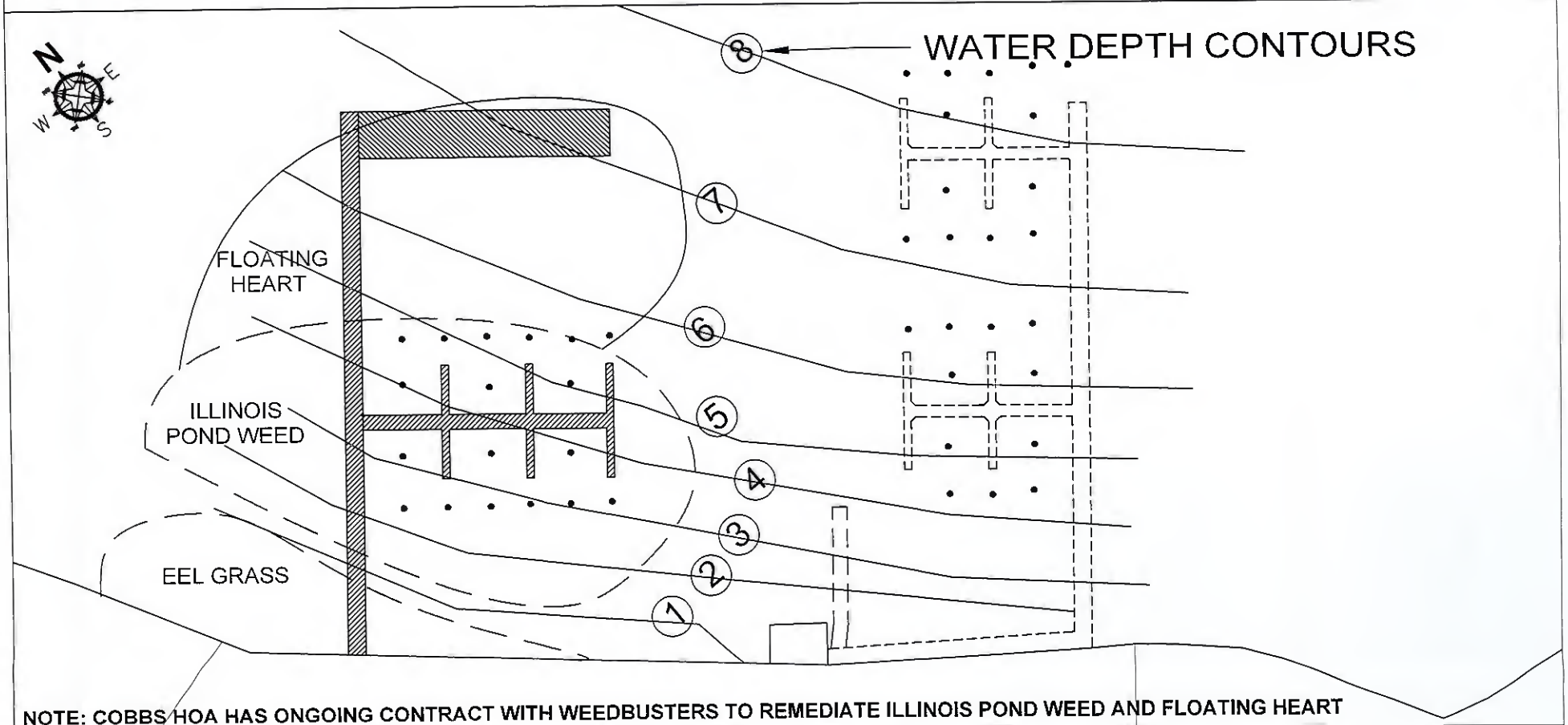


1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 560-4341
FAX: (727) 530-3790

SCALE: 1" =50'

MULTI-USE

Application # _____ (OFFICIAL USE ONLY)



NOTE: COBBS HOA HAS ONGOING CONTRACT WITH WEEDBUSTERS TO REMEDIATE ILLINOIS POND WEED AND FLOATING HEART

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SHEET 10

MUNICIPAL APPROVAL

COBBS LANDING

WATER DEPTHS (IN 1-FT CONTOURS) REFERENCED TO NORMAL LOW LAKE LEVEL & VEGETATION

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

REVISED:

08-23-23: Corrected water depth conversion calculation for contours.

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

PROFESSIONAL ENGINEER STATE OF FLORIDA RICHARD WASILEWSKI LICENSE No 15586

RICHARD WASILEWSKI LICENSE No. 15586 STATE OF FLORIDA PROFESSIONAL ENGINEER

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3790

CONSTRUCTION COMMENCEMENT NOTICE

Instructions: In accordance with Chapter 62-330.350(1)(d), F.A.C., complete and submit this form at least 48 hours prior to commencement of activity authorized by permit.

Permit No. _____ Application No. _____

Project Name _____ Phase _____

Construction of the system authorized by the above referenced Environmental Resource Permit and Application, is expected to commence on _____ , 20 _____ and will have an estimated completion date of _____ , 20 _____

PLEASE NOTE: If the actual construction commencement date is not known within 30 days of issuance of the permit, District staff should be so notified in writing. As soon as a construction commencement date is known, the permittee shall submit a completed construction commencement notice form.

Permittee's or Authorized Agent's Signature _____ Company _____

Print Name _____ Title _____ Date _____

E-mail _____ Phone Number _____

As-Built Certification
And Request for Conversion to Operation Phase

Instructions: Complete and submit this page within 30 days of completion of the entire project, or any independent portion of the project, as required by the permit conditions. The operation phase of the permit is effective when the construction certification for the entire permit/application is approved by the Agency. If the final operation and maintenance entity is not the permittee, the permittee shall operate the project, system, works, or other activities temporarily until such time as the transfer to the operation entity is finalized (use Form 62-330.310(2)).

Permit No: Application No: Permittee:

Project Name: Phase or Independent Portion (if applicable):

I HEREBY CERTIFY THAT (please check only one box):

☐ To the best of my knowledge, information, and belief, construction of the project has been completed in substantial conformance with the plans specifications and conditions permitted by the Agency. Any minor deviations will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. Attached are documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.

☐ Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. Any deviations or independent phasing will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. (Contact the permitting agency to determine whether a modification of the permit will be required in accordance with Rule 62-330.315, F.A.C.) Attached is a description of substantial deviations, a set of as-built drawings, and documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.

☐ Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. There are substantial deviations that prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. I acknowledge that corrections to the project and/or a modification of the permit will likely be required, and that conversion to the operation phase cannot be approved at this time. As-built or record drawings reflecting the substantial deviations are attached.

For activities that require certification by a registered professional*:*

By: _____ (Print Name) (Fla. Lic. or Reg. No.)
Signature

(Company Name) (Company Address)

(Telephone Number) (Email Address)

AFFIX SEAL

(Date)

For activities that do not require certification by a registered professional:

By: _____ (Print Name)
Signature

(Company Name) (Company Address)

(Telephone Number) (Email Address) (Date)

Drawings and Information Checklist

Following is a list of information that is to be verified and/or submitted by the Registered Professional or Permittee:

1. All surveyed dimensions and elevations shall be certified by a registered Surveyor or Mapper under Chapter 472, F.S.

2. The registered professional's certification shall be based upon on-site observation of construction (scheduled and conducted by the registered professional of record or by a project representative under direct supervision) and review of as-built drawings, with field measurements and verification as needed, for the purpose of determining if the work was completed in accordance with original permitted construction plans, specifications, and conditions.

3. If submitted, the as-built drawings are to be based on the permitted construction drawings revised to reflect any substantial deviations made during construction. Both the original design and constructed condition must be clearly shown. The plans need to be clearly labeled as "as-built" or "record" drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. As required by law, all surveyed dimensions and elevations required shall be verified and signed, dated, and sealed by an appropriate registered professional. The following information, at a minimum, shall be verified on the as-built drawings, and supplemental documents if needed:

    a. Discharge structures - Locations, dimensions and elevations of all, including weirs, orifices, gates, pumps, pipes, and oil and grease skimmers;
    b. Detention/Retention Area(s) – Identification number, size in acres, side slopes (h:v), dimensions, elevations, contours, or cross-sections of all, sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems,
    c. Side bank and underdrain filters, or exfiltration trenches - locations, dimensions, and elevations of all, including clean-outs, pipes, connections to control structures, and points of discharge to receiving waters;
    d. System grading - dimensions, elevations, contours, final grades, or cross-sections to determine contributing drainage areas, flow directions, and conveyance of runoff to the system discharge point(s);
    e. Conveyance - dimensions, elevations, contours, final grades, or cross-sections of systems utilized to divert off-site runoff around or through the new system;
    f. Benchmark(s) - location and description (minimum of one per major water control structure);
    g. Datum- All elevations should be referenced to a vertical datum clearly identified on the plans, preferably the same datum used in the permit plans.

4. Wetland mitigation or restoration areas - Show the plan view of all areas, depicting a spatial distribution of plantings conducted by zone (if plantings are required by permit), with a list showing all species planted in each zone, numbers of each species, sizes, date(s) planted, and identification of source of material; also provide the dimensions, elevations, contours, and representative cross-sections depicting the construction.

5. A map depicting the phase or independent portion of the project being certified, if all components of the project authorized in the permit are not being certified at this time.

6. Any additional information or outstanding submittals required by permit conditions or to document permit compliance, other than long-term monitoring or inspection requirements.

REQUEST FOR TRANSFER OF ENVIRONMENTAL RESOURCE PERMIT TO THE PERPETUAL OPERATION ENTITY

Instructions: Complete this form to transfer to the permit to the operation and maintenance entity. This form can be completed concurrently with, or within 30 days of approval of the As-Built Certification and Request for Conversion to Operation Phase (Form 62-330.310(1)). Please include all documentation required under Section 12.2.1(b) of Applicant's Handbook Volume 1. (see checklist below). **Failure to submit the appropriate final documents will result in the permittee remaining liable for operation and maintenance of the permitted activities.**

Permit No.:	Application No(s).
Project Name:	Phase (if applicable):

A. REQUEST TO TRANSFER: The permittee requests that the permit be transferred to the legal entity responsible for operation and maintenance (O&M).

By: _____

Signature of Permittee	Name and Title
Company	Company Address
Phone	City, State, Zip

B. AGREEMENT FOR SYSTEM OPERATION AND MAINTENANCE RESPONSIBILITY: The below-named legal entity agrees to operate and maintain the works or activities in compliance with all permit conditions and provisions of Chapter 62-330, Florida Administrative Code (F.A.C.) and Applicant's Handbook Volumes I and II in perpetuity. Authorization for any proposed modification to the permitted activities shall be applied for and obtained prior to conducting such modification.

By: _____

Signature of Representative of O&M Entity	Name of Entity for O&M
Name and Title	Address
Email Address	City, State, Zip
Phone	Date

Enclosed are the following documents, as applicable:

☐ Copy of recorded transfer of title to the operating entity for the common areas on which the stormwater management system is located (unless dedicated by plat)
☐ Copy of all recorded plats
☐ Copy of recorded declaration of covenants and restrictions, amendments, and associated exhibits
☐ Copy of filed articles of incorporation and documentary evidence of active corporate status with the Department of State, Division of Corporations (for corporations)
☐ A completed, signed, and notarized affidavit attesting that the operating entity meets the requirements of Section 12.3 of Environmental Resource Permit Applicant's Handbook Volume I.(Note- this is optional, but aids in processing of this request)

Request to Transfer
Environmental Resource Permit

Instructions: To be completed, executed, and submitted by the new owner to the Agency within 30 days after any transfer of ownership or control of the real property where the permitted activity is located.

Use of this form is not required when a valid permit is in the operation and maintenance phase. In such case, the owner must notify the Agency in writing within 30 days of a change in ownership or control of the entire real property, project, or activity covered by the permit. The notification may be by letter or e-mail, or through use of this form, and must be sent to the office that issued the permit. A processing fee is not required for this notice. The permit shall automatically transfer to the new owner or person in control, except in cases of abandonment, revocation, or modification of a permit as provided in Sections 373.426 and 373.429, F.S. (2013). If a permittee fails to provide written notice to the Agency within 30 days of the change in ownership or control, or if the change does not include the entire real property or activity covered by the permit, then the transfer must be requested using this form.

Permit No: Application No(s).: Acres to be Transferred:

Permitted Project:

Proposed Project Name (if different):

Phase of Project (if applicable):

I hereby notify the Agency that I have acquired ownership or control of the land on which the permitted system is located through the sale or other legal transfer of the land. By signing below, I hereby certify that I have sufficient real property interest or control in the land in accordance with subsection 4.2.3(d) of Applicant's Handbook Volume I; attached is a copy of my title, easement, or other demonstration of ownership or control in the land, including any revised plats, as recorded in the Public Records. I request that the permit be modified to reflect that I agree to be the new permittee. By so doing, I acknowledge that I have examined the permit terms, conditions, and drawings, and agree to accept all rights and obligations as permittee, including agreeing to be liable for compliance with all of the permit terms and conditions, and to be liable for any corrective actions required as a result of any violations of the permit after approval of this modification by the Permitting Agency. Also attached are copies of any recorded restrictive covenants, articles of incorporation, and certificate of incorporation that may have been changed as a result of my assuming ownership or control of the lands. As necessary, I agree to furnish the Agency with demonstration that I have the ability to provide for the operation and maintenance of the system for the duration of the permit in accordance with subsection 12.3 of Applicant's Handbook Volume I.

Name of Proposed Permittee:

Mailing Address:

City: State: Zip:

Telephone: E-mail:

_____ _____

Signature of Proposed Permittee Date:

_____

Name and Title

Enclosures:

☐ Copy of title, easement, or other demonstration of ownership or control in the land, as recorded in the Public Records

☐ Copy of current plat(s) (if any), as recorded in the Public Records

☐ Copy of current recorded restrictive covenants and articles of incorporation (if any)

☐ Other

OPERATION AND MAINTENANCE INSPECTION CERTIFICATION

Instructions: Submit this form to the Agency within 30 days of completion of the inspection after any failure of a stormwater management system or deviation from the permit. This form may also be used to document inspections required under Section 12.4 of Applicant's Handbook Volume I, however submittal to the Agency is not required unless requested by the Agency.

Permit No.: _____ Application No.: _____ Date Issued: _____

Identification or Name of Stormwater Management System: _____

Phase of Stormwater Management System (if applicable): _____

Inspection Date: _____

Inspection results: (check all that apply)

☐ The undersigned hereby certifies that the works or activities are functioning in substantial conformance with the permit. This certification is based upon on-site observation of the system conducted by me or my designee under my direct supervision and my review of as-built plans.

☐ The following maintenance was conducted since the last inspection (attach additional pages if needed):

_____

☐ The undersigned hereby certifies that I or my designee under my direct supervision has inspected this surface water management system and the system does not appear to be functioning in substantial conformance with the permit. I am aware that maintenance or alteration is required to bring the system into substantial compliance with the terms and conditions of the permit. As appropriate, I have informed the owner of the following:

(a) The system does not appear to be functioning properly;
(b) That maintenance or repair is required to bring the system into compliance; and
(c) If maintenance or repair measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to approval by the agency below.

The following components of the system do not appear to be functioning properly (attach additional pages if needed):

_____

Any components of the constructed system that are not in substantial conformance with the permitted system shall require a written request to modify the permit in accordance with the provisions of Rule 62-330.315, F.A.C. If such modification request is not approved by the agency below, the components of the system that are not in conformance with the permit are subject to enforcement action under Sections 373.119, .129, .136, and .430, F.S.

Name of Inspector: _____ Florida Registration Number: _____

Company Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____ Email: _____

_____ _____

Signature of Inspector Date

Report Reviewed by Permittee:

Name of Permittee: _____

_____ _____

Signature of Permittee Date

_____

Title (if any)

From: Reuben Law
To: DEP_CD; Rothenberger, Miranda
Subject: Flow calibrations....
Date: Monday, February 21, 2022 1:43:48 PM
Attachments: Landfair Sub..xlsx
Tradewinds Village WTP.xlsx

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please find attached the flow calibration report for Tradewinds Utilities and Landfair Subdivision WTP. Please let me know if you need anything else.

Thank you,
Reuben Law

Get Outlook for Android

Florida Rural Water Association
Flow Meter Accuracy Report Form

PERMIT INFORMATION

CONSUMPTIVE USE PERMIT NUMBER: _____ PERMITTEE NAME: landfair Subdivision WTP

PROJECT ADDRESS: NE 78 St CR 200A Ocala Fl 34471

WELL/PUMP/STATION INFORMATION

DISTRICT ID: _____ NAME: Landfair Subdivision WTP

METER MANUFACTURER: Precision SERIAL NUMBER: B6963611

PWS ID: 3424690

ACCURACY TESTING

DATE OF TEST: 2/18/2022

GALLONS PER MINUTE 24 SIZE/TYPE PIPE 6"/DI

Test 1

STATION METER		TESTING METER	
Initial meter reading @ start of test:	193796000	Initial meter reading @ start of test:	5
Final meter reading @ end of test:	193796500	Final meter reading @ end of test:	506
Total gallons:	500	Total gallons:	501

Test 2

STATION METER		TESTING METER	
Initial meter reading @ start of test:	193796500	Initial meter reading @ start of test:	506
Final meter reading @ end of test:	193797000	Final meter reading @ end of test:	1007
Total gallons:	500	Total gallons:	501

DURATION OF TEST*: 0

Should be at least 5 minutes

	Test !	Test 2	Average %
PERCENT ACCURACY [(total gallons station meter/total gallons test meter)*100]:	99.80	99.80	**99.80**
PERCENT ERROR (percent accuracy-100):	-0.20	-0.20	**-0.20**

TEST METER INFORMATION

METER MANUFACTURER: _ Panametrics SERIAL NUMBER 2983

DATE OF LAST CALIBRATION (test meter): _ 12/18/2021

ATTACH DIAGRAM OR PHOTO OF TEST METER INSTALLATION POSITION (optional)
This is a free service provided by FRWA as a membership benefit.

TESTER INFORMATION

NAME OF PERSON PERFORMING TEST: Donnie Morrison

PHONE NUMBER: 352-817-3875 EMAIL ADDRESS: Donnie.Morrison@frwa.net

I certify that to the best of my knowledge and belief all of the information on this form is correct. I understand that making any material false statement on this form or in any attachments to it may result in revocation, in whole or in part, of the permit.

Notes:

Florida Rural Water Association
Flow Meter Accuracy Report Form

PERMIT INFORMATION

CONSUMPTIVE USE PERMIT NUMBER: _____ PERMITTEE NAME: Teadewind Utilities WTP

PROJECT ADDRESS: 2925 NE 43rd Pl. Ocala, Fl. 34480

WELL/PUMP/STATION INFORMATION

DISTRICT ID: _____ NAME: Tradewind Utilities WTP

METER MANUFACTURER: Water Specialties SERIAL NUMBER: 802878

PWS ID: 3424620

ACCURACY TESTING

DATE OF TEST: 2/18/2022

GALLONS PER MINUTE - SIZE/TYPE PIPE 8"/DI

Test 1

STATION METER		TESTING METER	
Initial meter reading @ start of test:	22084000	Initial meter reading @ start of test:	3
Final meter reading @ end of test:	22085000	Final meter reading @ end of test:	1012
Total gallons:	1000	Total gallons:	1009

Test 2

STATION METER		TESTING METER	
Initial meter reading @ start of test:	22085000	Initial meter reading @ start of test:	1012
Final meter reading @ end of test:	22086000	Final meter reading @ end of test:	2021
Total gallons:	1000	Total gallons:	1009

DURATION OF TEST*: 4

Should be at least 5 minutes

	Test !	Test 2	Average %
PERCENT ACCURACY [(total gallons station meter/total gallons test meter)*100]:	99.11	99.11	**99.11**
PERCENT ERROR (percent accuracy-100):	-0.89	-0.89	**-0.89**

TEST METER INFORMATION

METER MANUFACTURER: _ Panametrics SERIAL NUMBER 2983

DATE OF LAST CALIBRATION (test meter): _ 12/18/2020

ATTACH DIAGRAM OR PHOTO OF TEST METER INSTALLATION POSITION (optional)
This is a free service provided by FRWA as a membership benefit.

TESTER INFORMATION

NAME OF PERSON PERFORMING TEST: Donnie Morrison

PHONE NUMBER: 352-817-3875 EMAIL ADDRESS: Donnie.Morrison@frwa.net

I certify that to the best of my knowledge and belief all of the information on this form is correct. I understand that making any material false statement on this form or in any attachments to it may result in revocation, in whole or in part, of the permit.

Notes:

From: Joyce Molina
To: DEP_CD
Cc: Elizabeth Cotos; Tim Brooker
Subject: Armstrong - Millwood Estates _FDEP Water
Date: Friday, May 6, 2022 11:10:56 AM

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please review Millwood Estates permit applications for Water. The submittal package has been uploaded to FTP:
ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Armstrong%20-%20Millwood%20Estates/WATER/
If you have any questions or require additional documents and or information, please do not hesitate to contact our office. Thank you in advance for your assistance on this matter.
Regards,

Joyce Lynn Molina
Permit Coordinator
Tillman & Associates Engineering
Civil Engineering - Planning - GIS - Landscape Architecture - Environmental
1720 SE 16th Ave., Bldg 100 | Ocala FL 34471
Office: 352-387-4540 | Fax: 352-387-4545

Tillman & Associates
ENGINEERING, LLC.

April 25, 2022

VIA: ELECTRONIC

FDEP Central District
3319 Maguire Blvd. Suite 232
Orlando, FL 32803

Subject: Initial Submittal for Water Application
Project Name: Millwood Estates

To Whom it May Concern:

Please find included in this submittal the following items associated with the subject application for Millwood Estates:

- One (1) Signed Application for Specific Permit to Construct PWS Components
- One (1) Set of Plans Sheets
- One (1) Master Utility Report

If you have any questions, please do not hesitate to contact our office.

Sincerely,

Timothy C. Brooker, P.E.
Project Engineer

c: Masterfile w/Enclosures

APPLICATION FOR A SPECIFIC PERMIT TO CONSTRUCT PWS COMPONENTS

See page 4 for instructions.

I. General Project Information

A. Name of Project: Millwood Estates

B. Description of Project and Its Purpose:

Dryline: The proposed project is a residential subdivision. Infrastructure includes: 3,880 LF of 12" PVC WM, 11,530 LF of 8" PVC WM, (19) hydrants, (3) connections to existing 8" WM with temp. jumpers, with associated valves and appurtenances.

C. Does project create a "new system" as described under subsection 62-555.525(1), F.A.C.? ☐ Yes, and a completed copy of Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, is attached. ☒ No.

D. Location of Project

1. County Where Project Located: Marion County
2. Description of Project Location:

Project is on the west side NE 36th Avenue.

3. Latitude and Longitude of Each New Treatment Plant and Each New Raw Water Source (attach additional sheets if necessary):

Name of New Treatment Plant or Raw Water Source	Latitude	Longitude
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W

E. Estimate of Cost to Construct Project: $450,000.000

F. Estimate of Dates for Starting and Completing Construction of Project: February 2022 - August 2022

G. Applicant

PWS/Company Name: Armstrong Land, LLC		PWS Identification No.:*
PWS Type:* ☒ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
Contact Person: Scott Keilling	Contact Person's Title: Division Manager / VP	
Contact Person's Mailing Address: 4600 West Cypress St., Suite 300		
City: Tampa	State: FL	Zip Code: 33607
Contact Person's Telephone Number: 813-574-5720	Contact Person's Fax Number:	
Contact Person's E-Mail Address: scott.keiling@lennar.com		

* *This information is required only if the applicant is a public water system (PWS).*

H. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilities Inc		PWS Identification No.:
PWS Type: ☒ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner: Tradewinds Utilities Inc		
Contact Person: Charlie DeMenzes	Contact Person's Title:	
Contact Person's Mailing Address: 1552 SW 7th Road		
City: Ocala	State: FL	Zip Code: 34471
Contact Person's Telephone Number: 352-843-7790 / 352-622-4949	Contact Person's Fax Number:	
Contact Person's E-Mail Address: Charlie@altofo.com /		

APPLICATION FOR A SPECIFIC PERMIT TO CONSTRUCT PWS COMPONENTS

Project Name: Millwood Estates	Applicant: Armstrong Land, LLC

I. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation

PWS Name: Marion County Utilities			PWS Identification No.:*
PWS Type:* ☒ Community	☐ Non-Transient Non-Community	☐ Transient Non-Community	☐ Consecutive
PWS Owner: Marion County Utilities			
Contact Person: Jody Kirkman		Contact Person's Title: Environmental Services Director	
Contact Person's Mailing Address: 11800 SE U.S. Highway 441			
City: Belleview		State: Florida	Zip Code: 34420
Contact Person's Telephone Number: 352-307-4630		Contact Person's Fax Number:	
Contact Person's E-Mail Address: jody.kirkman@marionfl.org			

* *This information is required only if the owner/operator is an existing PWS.*

J. Professional Engineer(s) or Other Person(s) in Responsible Charge of Designing Project*

Company Name: Tillman and Associates Engineering LLC		
Designer(s): Timothy Brooker	Title(s) of Designer(s): Project Engineer	
Qualifications of Designer(s): ☒ Professional Engineer(s) Licensed in Florida – License Number(s): 79259 ☐ Public Officer(s) Employed by State, County, Municipal, or Other Governmental Unit of State† ☐ Plumbing Contractor(s) Licensed in Florida – License Number(s):^		
Mailing Address of Designer(s): 1720 SE 16th Ave Bldg #100		
City: Ocala	State: Florida	Zip Code: 34471
Telephone Number of Designer(s): 352-367-4540	Fax Number of Designer(s): 352-387-4545	
E-Mail Address(es) of Designer(s): permits@tillmaneng.com		

* *Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more professional engineers licensed in Florida.*

† *Attach a detailed construction cost estimate showing that the cost to construct this project is $10,000 or less.*

^ *Attach documentation showing that this project will be installed by the plumbing contractor(s) designing this project, documentation showing that this project involves a public water system serving a single property and fewer than 250 fixture units, and a detailed construction cost estimate showing that the cost to construct this project is $50,000 or less.*

II. Certifications

A. Certification by Applicant

I am duly authorized to sign this application on behalf of the applicant identified in Part I.G of this application. I certify that, to the best of my knowledge and belief, this project complies with Chapter 62-555, F.A.C., and provides assurance of compliance with Chapter 62-550, F.A.C. I also certify that construction of this project has not begun yet.

B407EC8CEC424CE...	11/24/2021	Scott Keiling	Division Manager/VP
Signature	Date	Printed or Typed Name	Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this application on behalf of the PWS identified in Part I.H of this application. I certify that said PWS will supply the water necessary to meet the design water demands for this project. I certify that, to the best of my knowledge and belief, said PWS's connection to this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C. I also certify that said PWS has reviewed the preliminary design report or drawings, specifications, and design data for this project and that said PWS considers the connection(s) between this project and said PWS acceptable as designed.

- Name(s) of Water Treatment Plant(s) to Which this Project Will Be Connected: Tradewinds Utilities, Inc.
- Total Permitted Maximum Day Operating Capacity of Plant(s), gpd: 100M gpd
- Total Maximum Day Flow at Plant(s) as Recorded on Monthly Operating Reports During Past 12 Months, gpd: 100M gpd

Charles deMenzes	Charles deMenzes	President
Signature and Date	Printed or Typed Name	Title

APPLICATION FOR A SPECIFIC PERMIT TO CONSTRUCT PWS COMPONENTS

Project Name: Millwood Estates	Applicant: Armstrong Land, LLC

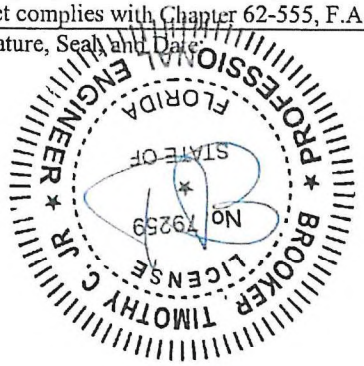
C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this application on behalf of the PWS identified in Part I.I of this application. I certify that said PWS will own this project after it is placed into permanent operation. I also certify that said PWS has reviewed the preliminary design report or drawings, specifications, and design data for this project and that said PWS considers this project acceptable as designed.

Signature and Date: 4/21/22	Printed or Typed Name: Jody C. Kirkman, P.E.	Title: Marion Co Environmental Svc Director

D. Certification by Professional Engineer(s) in Responsible Charge of Designing Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of preparing the preliminary design report or drawings, specifications, and design data for this project. I certify that, to the best of my knowledge and belief, the design of this project complies with Chapter 62-555, F.A.C., and provides assurance of compliance with Chapter 62-550, F.A.C.

Signature, Seal, and Date:   **Timothy C. Brooker Jr.**, State of Florida, Professional Engineer, License No. **79259**. This item has been digitally signed and sealed by **Timothy C. Brooker Jr.** on **May 5, 2022.** Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. 12-14-21	Signature, Seal, and Date:
Printed/Typed Name: Timothy Brooker	Printed/Typed Name:
License Number: 79259	License Number:
Portion of Engineering Document(s) for Which Responsible: Entire project	Portion of Engineering Document(s) for Which Responsible:

Signature, Seal, and Date:	Signature, Seal, and Date:
Printed/Typed Name:	Printed/Typed Name:
License Number:	License Number:
Portion of Engineering Document(s) for Which Responsible:	Portion of Engineering Document(s) for Which Responsible:

* *Except as noted in paragraphs 62-555.520(3)(a) and (b), F.A.C., projects shall be designed under the responsible charge of one or more professional engineers (PEs) licensed in Florida. If this project is being designed under the responsible charge of one or more PEs licensed in Florida, Part II.D of this application shall be completed by the PE(s) in responsible charge. If this project is <u>not</u> being designed under the responsible charge of one or more PEs licensed in Florida, Part II.D does <u>not</u> have to be completed.*

APPLICATION FOR A SPECIFIC PERMIT TO CONSTRUCT PWS COMPONENTS

INSTRUCTIONS: This application shall be completed and submitted by persons proposing to construct or alter public water system components unless such proposed construction or alteration is permitted under the Department of Environmental Protection's (DEP's) "General Permit for Construction of Water Main Extensions for Public Water Systems," in which case Form 62-555.900(7) is to be completed and submitted, or under the DEP's "General Permit for Construction of Lead or Copper Corrosion Control, or Iron or Manganese Sequestration, Treatment Facilities for Small or Medium Public Water Systems," in which case Form 62-555.900(18) is to be completed and submitted. Complete and submit one copy of this application to the appropriate DEP District Office or Approved County Health Department (ACHD) along with payment of the proper application processing fee and one copy of the following information:

- either a preliminary design report or drawings, specifications, and design data (the preliminary design report or drawings, specifications, and design data shall contain all pertinent information required under subsection 62-555.520(4), F.A.C.); and
- the Florida Public Service Commission (FPSC) certificate of authorization to provide water service if the project involves construction of a new public water system subject to the jurisdiction of the FPSC.

All information provided on this application shall be typed or printed in ink. DEP application processing fees are listed in paragraph 62-4.050(4)(n), F.A.C. Some ACHDs charge a county application processing fee in addition to the DEP permit processing fee. Checks for application processing fees shall be made payable to the Department of Environmental Protection or to the appropriate ACHD. Preliminary design reports, drawings, specifications, and design data prepared under the responsible charge of one or more professional engineers licensed in Florida shall be signed, sealed, and dated by the professional engineer(s) in responsible charge. NOTE THAT A SEPARATE APPLICATION AND A SEPARATE APPLICATION PROCESSING FEE ARE REQUIRED FOR EACH NON-CONTIGUOUS PROJECT.*

* *Non-contiguous projects are projects that are neither interconnected nor located nearby one another (i.e., on the same site, on adjacent streets, or in the same neighborhood).*

Project Name: Millwood Estates	Permittee: Armstrong Land, LLC

Information About Compliance with Design and Construction Requirements

1. If this project is being designed to comply with the following requirements, initial in ink before the requirements. If any of the following requirements do not apply to this project or if this project includes exceptions to any of the following requirements as allowed by rule, mark "X" before the requirements and complete explanation below. *RSWW = Recommended Standards for Water Works* as incorporated into Rule 62-555.330, F.A.C.

   TB a. This project is being designed to keep existing water mains and service lines in operation during construction or to minimize interruption of water service during construction. [*RSWW* 1.3.a; exceptions allowed under FAC 62-555.330]

   TB b. All pipe, pipe fittings, pipe joint packing and jointing materials, valves, fire hydrants, and meters installed under this project will conform to applicable American Water Works Association (AWWA) standards. [FAC 62-555.320(21)(b), *RSWW* 8.0, and AWWA standards as incorporated into FAC 62-555.330; exceptions allowed under FAC 62-555.320(21)(c)]

   TB c. All public water system components, excluding fire hydrants, that will be installed under this project and that will come into contact with drinking water will conform to NSF International Standard 61 as adopted in Rule 62-555.335, F.A.C., or other applicable standards, regulations, or requirements referenced in paragraph 62-555.320(3)(b), F.A.C. [FAC 62-555.320(3)(b); exceptions allowed under FAC 62-555.320(3)(d)]

   TB d. All pipe and pipe fittings installed under this project will contain no more than 8.0% lead, and any solder or flux used in this project will contain no more than 0.2% lead. [FAC 62-555.322]

   TB e. All pipe and pipe fittings installed under this project will be color coded or marked in accordance with subparagraph 62-555.320(21)(b)3, F.A.C., using blue as a predominant color. (Underground plastic pipe will be solid-wall blue pipe, will have a co-extruded blue external skin, or will be white or black pipe with blue stripes incorporated into, or applied to, the pipe wall; and underground metal or concrete pipe will have blue stripes applied to the pipe wall. Pipe striped during manufacturing of the pipe will have continuous stripes that run parallel to the axis of the pipe, that are located at no greater than 90-degree intervals around the pipe, and that will remain intact during and after installation of the pipe. If tape or paint is used to stripe pipe during installation of the pipe, the tape or paint will be applied in a continuous line that runs parallel to the axis of the pipe and that is located along the top of the pipe; for pipe with an internal diameter of 24 inches or greater, tape or paint will be applied in continuous lines along each side of the pipe as well as along the top of the pipe. Aboveground pipe will be painted blue or will be color coded or marked like underground pipe.) [FAC 62-555.320(21)(b)3]

   TB f. All new or altered water mains included in this project are sized after a hydraulic analysis based on flow demands and pressure requirements. ATTACH A HYDRAULIC ANALYSIS JUSTIFYING THE SIZE OF ANY NEW OR ALTERED WATER MAINS WITH AN INSIDE DIAMETER OF LESS THAN THREE INCHES. [FAC 62-555.320(21)(b) and *RSWW* 8.1]

Project Name: Millwood Estates	Permittee: Armstrong Land, LLC

TB g. The inside diameter of new or altered water mains that are included in this project and that are being designed to provide fire protection and serve fire hydrants will be at least six inches. [FAC 62-555.320(21)(b) and *RSWW* 8.1.2]

TB h. New or altered water mains that are included in this project and that are not being designed to carry fire flows do not have fire hydrants connected to them. [FAC 62-555.320(21)(b) and *RSWW* 8.1.5]

TB i. This project is being designed to minimize dead-end water mains by making appropriate tie-ins where practical. [FAC 62-555.320(21)(b) and *RSWW* 8.1.6.a]

TB j. New or altered dead-end water mains included in this project will be provided with a fire or flushing hydrant or blow-off for flushing purposes. [FAC 62-555.320(21)(b) and *RSWW* 8.1.6.b]

TB k. Sufficient valves will be provided on new or altered water mains included in this project so that inconvenience and sanitary hazards will be minimized during repairs. [FAC 62-555.320(21)(b) and *RSWW* 8.2]

TB l. New or altered fire hydrant leads included in this project will have an inside diameter of at least six inches and will include an auxiliary valve. [FAC 62-555.320(21)(b) and *RSWW* 8.3.3]

TB m. All fire hydrants that will be installed under this project and that will have unplugged, underground drains will be located at least three feet from any existing or proposed storm sewer, stormwater force main, pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., or vacuum-type sanitary sewer; at least six feet from any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-10, F.A.C.; and at least ten feet from any existing or proposed "on-site sewage treatment and disposal system." [FAC 62-555.314(4)]

TB n. At high points where air can accumulate in new or altered water mains included in this project, provisions will be made to remove the air by means of air relief valves, and automatic air relief valves will not be used in situations where flooding of the valve manhole or chamber may occur. [FAC 62-555.320(21)(b) and *RSWW* 8.4.1]

TB o. The open end of the air relief pipe from all automatic air relief valves installed under this project will be extended to at least one foot above grade and will be provided with a screened, downward-facing elbow. [FAC 62-555.320(21)(b) and *RSWW* 8.4.2]

TB p. New or altered chambers, pits, or manholes that contain valves, blow-offs, meters, or other such water distribution system appurtenances and that are included in this project will not be connected directly to any sanitary or storm sewer, and blow-offs or air relief valves installed under this project will not be connected directly to any sanitary or storm sewer. [FAC 62-555.320(21)(b) and *RSWW* 8.4.3]

TB q. New or altered water mains included in this project will be installed in accordance with applicable AWWA standards or in accordance with manufacturers' recommended procedures. [FAC 62-555.320(21)(b), *RSWW* 8.5.1, and AWWA standards as incorporated into FAC 62-555.330]

TB r. A continuous and uniform bedding will be provided in trenches for underground pipe installed under this project; backfill material will be tamped in layers around underground pipe installed under this project and to a sufficient height above the pipe to adequately support and protect the pipe; and unsuitably sized stones (as described in applicable AWWA standards or manufacturers' recommended installation procedures) found in trenches will be removed for a depth of at least six inches below the bottom of underground pipe installed under this project. [FAC 62-555.320(21)(b), *RSWW* 8.5.2]

TB s. All water main tees, bends, plugs, and hydrants installed under this project will be provided with thrust blocks or restrained joints to prevent movement. [FAC 62-555.320(21)(b) and *RSWW* 8.5.4]

TB t. New or altered water mains that are included in this project and that will be constructed of asbestos-cement or polyvinyl chloride pipe will be pressure and leakage tested in accordance with AWWA Standard C603 or C605, respectively, as incorporated into Rule 62-555.330, F.A.C., and all other new or altered water mains included in this project will be pressure and leakage tested in accordance with AWWA Standard C600 as incorporated into Rule 62-555.330. [FAC 62-555.320(21)(b)1 and AWWA standards as incorporated into FAC 62-555.330]

TB u. New or altered water mains, including fire hydrant leads and including service lines that will be under the control of a public water system and that have an inside diameter of three inches or greater, will be disinfected and bacteriologically evaluated in accordance with Rule 62-555.340, F.A.C. [FAC 62-555.320(21)(b)2 and FAC 62-555.340]

X v. New or altered water mains that are included in this project and that will be installed in areas where there are known aggressive soil conditions will be protected through use of corrosion-resistant water main materials, through encasement of the water mains in polyethylene, or through provision of cathodic protection. [FAC 62-555.320(21)(b) and *RSWW* 8.5.7.d]

Project Name: Millwood Estates	Permittee: Armstrong Land, LLC

TB

w. New or relocated, underground water mains included in this project will be laid to provide a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed vacuum-type sanitary sewer, storm sewer, stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C.; a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer (or a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed gravity-type sanitary sewer if the bottom of the water main will be laid at least six inches above the top of the sewer); a horizontal distance of at least six feet between the outside of the water main and the outside of any existing or proposed pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.; and a horizontal distance of at least ten feet between the outside of the water main and all parts of any existing or proposed "on-site sewage treatment and disposal system." [FAC 62-555.314(1); exceptions allowed under FAC 62-555.314(5)]

TB

x. New or relocated, underground water mains that are included in this project and that will cross any existing or proposed gravity- or vacuum-type sanitary sewer or storm sewer will be laid so the outside of the water main is at least six inches above the other pipeline or at least 12 inches below the other pipeline; and new or relocated, underground water mains that are included in this project and that will cross any existing or proposed pressure-type sanitary sewer, wastewater or stormwater force main, or pipeline conveying reclaimed water will be laid so the outside of the water main is at least 12 inches above or below the other pipeline. [FAC 62-555.314(2); exceptions allowed under FAC 62-555.314(5)]

TB

y. At the utility crossings described in Part II.C.1.w above, one full length of water main pipe will be centered above or below the other pipeline so the water main joints will be as far as possible from the other pipeline or the pipes will be arranged so that all water main joints are at least three feet from all joints in vacuum-type sanitary sewers, storm sewers, stormwater force mains, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., and at least six feet from all joints in gravity- or pressure-type sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C. [FAC 62-555.314(2); exceptions allowed under FAC 62-555.314(5)]

X z. New or altered water mains that are included in this project and that will cross above surface water will be adequately supported and anchored, protected from damage and freezing, and accessible for repair or replacement. [FAC 62-555.320(21)(b) and *RSWW* 8.7.1]

X aa. New or altered water mains that are included in this project and that will cross under surface water will have a minimum cover of two feet. [FAC 62-555.320(21)(b) and *RSWW* 8.7.2]

X bb. New or altered water mains that are included in this project and that will cross under surface water courses greater than 15 feet in width will have flexible or restrained, watertight pipe joints and will include valves at both ends of the water crossing so the underwater main can be isolated for testing and repair; the aforementioned isolation valves will be easily accessible and will not be subject to flooding; the isolation valve closest to the water supply source will be in a manhole; and permanent taps will be provided on each side of the isolation valve within the manhole to allow for insertion of a small meter to determine leakage from the underwater main and to allow for sampling of water from the underwater main. [FAC 62-555.320(21)(b) and *RSWW* 8.7.2]

TB

cc. This project is being designed to include proper backflow protection at those new or altered service connections where backflow protection is required or recommended under Rule 62-555.360, F.A.C., or in *Recommended Practice for Backflow Prevention and Cross-Connection Control*, AWWA Manual M14, as incorporated into Rule 62-555.330, F.A.C.; or the public water system that will own this project after it is placed into operation has a cross-connection control program requiring water customers to install proper backflow protection at those service connections where backflow protection is required or recommended under Rule 62-555.360, F.A.C., or in AWWA Manual M14. [FAC 62-555.360 and AWWA Manual M14 as incorporated into FAC 62-555.330]

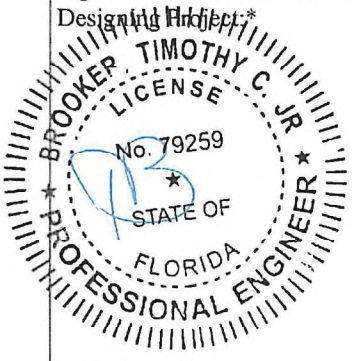
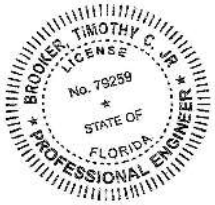
X dd. Neither steam condensate, cooling water from engine jackets, nor water used in conjunction with heat exchangers will be returned to the new or altered water mains included in this project. [FAC 62-555.320(21)(b) and *RSWW* 8.8.

Project Name: Millwood Estates	Permittee: Armstrong Land, LLC

2. Explanation for Requirements Marked "X" in Part II.C.1 Above, Including Justification, Documentation, Assurances, and/or Alternatives as Required by Rule for Exceptions to Requirements in Part II.C.1:

v. No known aggressive soils within the proposed project.
z., aa., bb. No surface water crossings associated with this project.
dd. There are no steam systems, engines, or heat exchangers associated with this project.

I completed the above sections of this notice, and the information provided in/on the above sections and attachment(s) is true and accurate to the best of my knowledge and belief.

Signature, Seal, and Date of Professional Engineer (PE) or Signature and Date of Other Person in Responsible Charge of Designing Project:*
 12-14-21  **Timothy C. Brooker Jr.**, State of Florida, Professional Engineer, License No. **79259**. This item has been digitally signed and sealed by **Timothy C. Brooker Jr.** on **May 5, 2022.** Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Printed/Typed Name: Timothy Brooker P.E.
License Number of PE or License Number or Title of Other Person in Responsible Charge of Designing Project:* 79259
Portion of Preliminary Design Report for Which Responsible: Entire Project

DocuSign Envelope ID: A581237D-3671-4816-B42B-4C0CB3C11B87

ARMSTRONG LAND, LLC
C/O SCOTT KEILING, VP
4600 WEST CYPRESS ST., SUITE 300
TAMPA, FL 33607

SUBJECT: LETTER OF UNDERSTANDING – WATER

PROJECT NAME: MILLWOOD ESTATES

DEP FILE NUMBER: _____

I have requested a "dry-line" water distribution system permit for my development. I understand that the Department is not approving a physical connection to the water treatment facility.

The Department intends to issue the potable water system permit strictly for the installation of the water line with a connection point in the pipe approximately six feet away from the main supply line.

I understand that the issuance of this "dry-line" confers absolutely no right to any hookup now or in the future. I am requesting this "dry-line" only for my own financial and logistic convenience and am willing to take the risk that the connection may never be allowed. I acknowledge that I may be giving up legal rights by accepting this "dry-line" permit and that DEP in no way recommends this course of action and has suggested that I seek legal consultation about its advisability.

With all the foregoing, I still wish to go ahead with the "dry" construction as set forth in my project.

DocuSigned by:
B407FC8CFC424CF... 4/30/2022
Applicant Signature & Date

Scott Keiling, VP of Land Development
Applicant Printed Name and Title

DocuSigned by:
Danielle Janse van Rensburg
58E2CC7767DB4C0... 5/2/2022
Witness Signature & Date

Danielle Janse van Rensburg
Witness Printed Name

Tillman & Associates ENGINEERING, LLC.

MASTER UTILITY REPORT

FOR

MILLWOOD ESTATES

SUBMITTED TO:

MARION COUNTY

&

FDEP

PREPARED FOR:

ARMSTRONG LAND, LLC

JUNE 2021

Civil Engineering · Environmental · GIS · Land Planning · Landscape Architecture
1720 SE 16th Ave., Bldg. 100 ▪ Ocala, FL. 34471
Phone: 352.387.4540 Fax: 352.387.4545 Email: mail@tillmaneng.com Web: www.tillmaneng.com

MASTER UTILITY REPORT FOR
MILLWOOD ESTATES
TABLE OF CONTENTS

1. SCOPE OF DESIGN:

A. PROJECT LOCATION
B. PROJECT SUMMARY
C. EXISTING SANITARY SEWER SYSTEM
D. EXISTING POTABLE WATER SYSTEM
E. PROPOSED SANITARY SEWER SYSTEM
F. PROPOSED POTABLE WATER SYSTEM
G. MINOR LOSSES

2. MAPS:

- VICINITY MAP

3. PROPOSED SANITARY SEWER SYSTEM:

A. DEMAND FLOW CALCULATIONS

B. PROPOSED LIFT STATION (MANIFOLD CONDITION)
- WETWELL CALCULATIONS
- HEADLOSS CALCULATIONS
- SYSTEM CURVES

C. PUMP DATA
- PUMP EFFICIENCY SUMMARY
- PUMP DATA SHEETS

4. PROPOSED POTABLE WATER SYSTEM:

A. DEMAND FLOW CALCULATIONS

B. PROPOSED POTABLE WATER SYSTEM HYDRAULIC MODEL

1) SYSTEM EXHIBIT

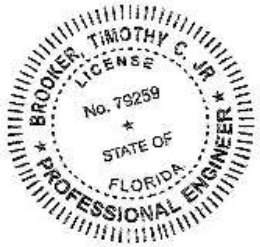
2) AVERAGE DAILY FLOW (ADF) SCENARIO
- TANK REPORT
- JUNCTION REPORT
- PIPE REPORT

3) FIRE FLOW (MDF+FF) SCENARIO
- TANK REPORT
- JUNCTION REPORT
- PIPE REPORT
- FIRE FLOW ANALYSIS

4) PEAK HOURLY FLOW (PHF) SCENARIO
- TANK REPORT
- JUNCTION REPORT
- PIPE REPORT

5. APPENDIX:

WATER TOWER INFORMATION



Timothy C. Brooker Jr., State of Florida, Professional Engineer, License No. **79259**. This item has been digitally signed and sealed by **Timothy C. Brooker Jr.** on **June 11, 2021.** Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

1. SCOPE OF DESIGN

MASTER UTILITY REPORT
MILLWOOD ESTATES

A. Project Location

The proposed Millwood Estates project is located in Sections 34, Township 14S and Range 22E. More specifically, the project is located west of NE 36th Avenue approximately .28 miles north of the NE 36th Avenue and NE 35th Street intersection.

B. Project Summary

The proposed development consists of a 320 lot residential development with associated potable water and sanitary sewer utility systems. The site falls within the Marion County Utility (MCUD) service area and the associated potable water and sanitary sewer utility systems will, ultimately, be owned and maintained by them.

C. Existing Sanitary Sewer System

The existing sanitary sewer system consists of an 8" forcemain on the west side of NE 36th Avenue that is proposed by Marion County Utilities.

D. Existing Potable Water System

The existing potable water system consists of an 8" capped water main on the west side of NE 33rd Avenue.

E. Proposed Sanitary Sewer System

The proposed sanitary sewer system for the development consists of a gravity sewer system which collects waste from the proposed single and double sanitary sewer laterals and discharges to the proposed lift station. The wastewater collected by the proposed lift station will be pumped through a 6" force main to the proposed connection to the 8" forcemain on the west side of NE 36th Avenue.

The wastewater demand flow calculations are presented in the Sanitary Sewer Demand Flow Calculations table in Section 3 A. The wastewater demands were calculated based on Marion County criteria.

The proposed lift station is designed utilizing Grundfos pumps; please see the Pump Data Sheets in Section 3. The system head curves for the lift stations were calculated to the proposed connection.

F. Proposed Potable Water System

The proposed potable water system for this project involves one connections to the existing system. The connection point will be located on the west side of NE 33rd Avenue between lots 99 and 100. The proposed potable water system will provide potable water and fire flows to the proposed development.

The proposed potable water system was modeled using WaterCad 10.0. The demands used within the model can be found within Section 4 A. Three scenarios were run in the Hydraulic Model. The scenarios for the proposed potable water system were an Average Daily Flow (ADF) Scenario, Maximum Daily Flow and Fire Flow Analysis (MDF+FF), and a Peak Hourly Flow (PHF) Scenario.

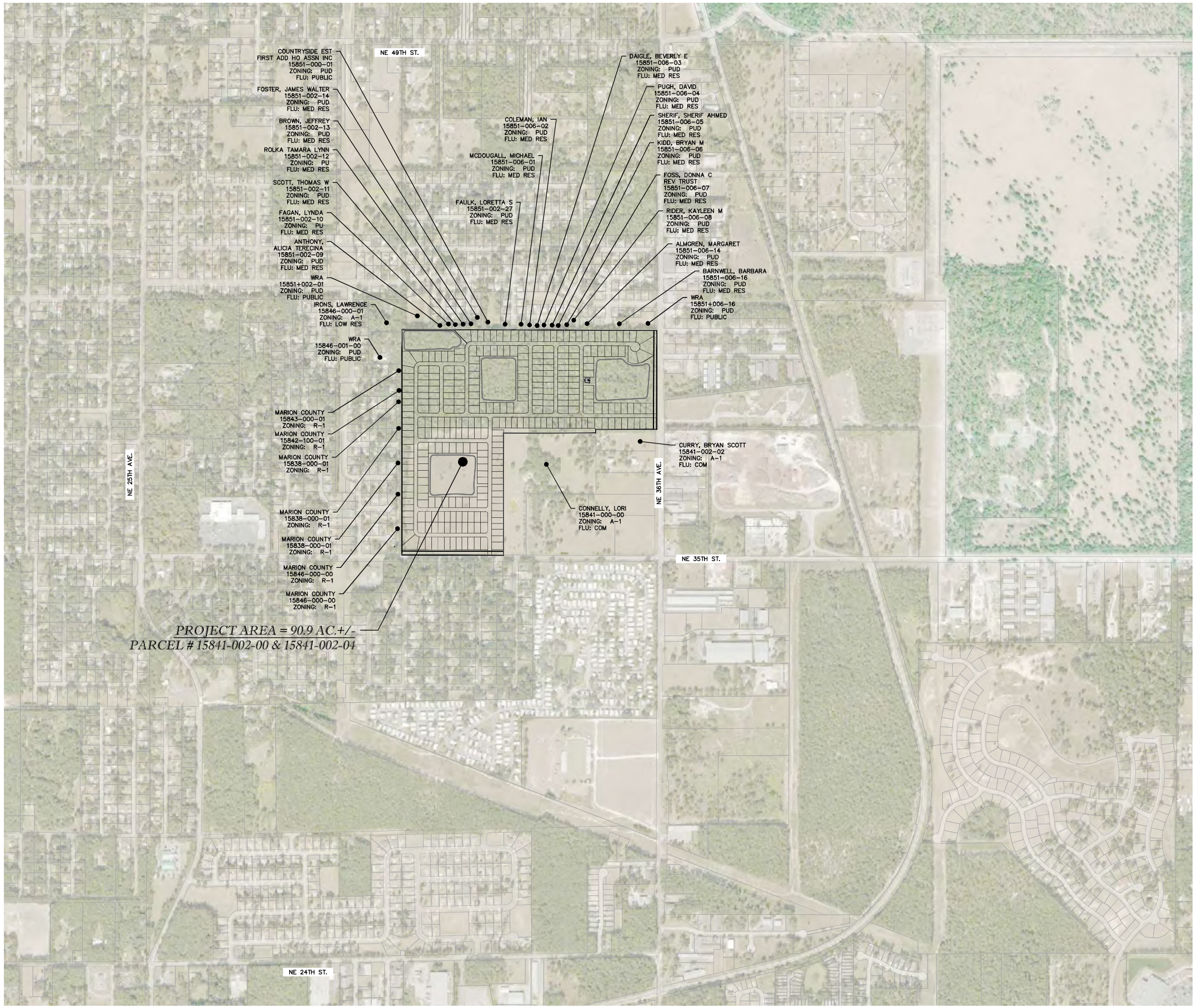
The MDF +FF scenario was run to show that the system provides adequate fire flow (1,000 GPM per hydrant) and residual pressures (20 psi minimum) were maintained. The fire flow criteria is based on the NFPA 1 Uniform Code Handbook, 2015 Edition.

G. Minor Losses

Minor losses were accounted for in the lift station calculations. The K values used for each type of minor loss can be found in the table below. Please note that this is an overall table and some of the minor losses below may not have been present in the calculations. The minimum Hazen-Williams C value used in the Hydraulic Model was 120.0.

Minor Loss	K Value for Each
15 deg. Bend - Mitered	0.05
30 deg. Bend - Mitered	0.1
45 deg. Bend - Mitered	0.2
60 deg. Bend - Mitered	0.35
90 deg. Bend - Mitered	0.8
90 deg. Bend - Smooth r/D = 1	0.37
90 deg. Bend - Smooth r/D = 2	0.22
90 deg. Bend - Smooth r/D = 2	0.22
Angle Valve - Open	4.3
Check Valve - Clearway	1.5
Check Valve - Conventional	4
Contraction - Conical D2/D1 = 0.20	0.08
Contraction - Conical D2/D1 = 0.50	0.07
Contraction - Conical D2/D1 = 0.80	0.05
Contraction - Sudden D2/D1 = 0.20	0.49
Contraction - Sudden D2/D1 = 0.50	0.37
Contraction - Sudden D2/D1 = 0.80	0.18
Cross - Branch Flow	0.75
Cross - Line Flow	0.5
Expansion - Conical D2/D1 = 0.20	0.13
Expansion - Conical D2/D1 = 0.50	0.08
Expansion - Conical D2/D1 = 0.80	0.03
Expansion - Sudden D2/D1 = 0.20	0.92
Contraction - Sudden D2/D1 = 0.50	0.37
Contraction - Sudden D2/D1 = 0.80	0.18
Gate Valve - Half Open	4.8
Gate Valve - One Quarter Open	27
Gate Valve - Open	0.39
Gate Valve - Three Quarters Open	1.1
Globe Valve - Open	10
Pipe Entrance - Reentrant	0.78
Pipe Entrance - Rounded r/D = 0.02	0.28
Pipe Entrance - Rounded r/D = 0.06	0.15
Pipe Entrance - Rounded r/D >= 0.15	0.04
Pipe Entrance - Square Edged	0.5
Pipe Exit	1
Tee - Branch Flow	1.28
Tee - Line Flow	0.35
Wye - Branch Flow	0.5
Wye - Line Flow	0.3

2. MAPS



Marion County Approval Stamp

500 250 0 500 1,000
SCALE IN FEET
1" = 500'

Tillman & Associates
ENGINEERING, LLC.
CIVIL ENGINEERING - PLANNING - LANDSCAPE ARCHITECTURE - ENVIRONMENTAL
1720 SE 16th Ave. Bldg 100, Ocala, FL 34471
Office: (352) 387-4540 Fax: (352) 387-4545
CERTIFICATE OF AUTHORIZATION #26756

REVISIONS

DATE

IMPROVEMENT PLANS
MILLWOOD ESTATES
MARION COUNTY, FLORIDA

AERIAL PHOTOGRAPH

DATE 06-03-21
DRAWN BY MR
CHKD. BY TB
JOB NO. 20-6083

SHT. 03.01

NOT VALID UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER

s:\marion county\armstrong millwood estates\CIVIL\construction\03 AerialLdwg, 01, 6/3/2021 4:56:04 PM, 1:1

3. PROPOSED SANITARY SEWER SYSTEM

A. DEMAND FLOW CALCUATIONS

Millwood Estates

SANITARY SEWER COLLECTION SYSTEM

DEMAND FLOW CALCULATIONS

Description	Number of Units	Flow Rate (GPD/Unit)	Average Daily Flow (GPD)	Number of ERCs[2]	Average Daily Flow (GPM)	Peak Daily Flow[1] (GPM)
Proposed SFR Lots	320	200 [2]	64,000	320.0	44.4	177.8
Total			64,000	320	44	178

Notes:

[1] Assumed Peaking factor of 4.0, (MDF = ADF X 4.0)

[2] Approximate number of ERCs based on Marion County criteria (1 ERU/ 200 GPD)

3. PROPOSED SANITARY SEWER SYSTEM

B. PROPOSED LIFT STATION (MANIFOLD CONDITION)

LIFT STATION CALCULATIONS - HIGH POINT SCENARIO

Millwood Estates

I. Design Flow Rates:

Land Use	Avg Daily Flow (GPD)	Avg Daily Flow (gpm)	Peaking Factor	Peak Flow (gpm)
Proposed SFR	64,000	44.4	4	177.8

PEAK FLOW = 177.8 GPM

II. Size Wet Well:

T = (V / (Q-S)) + (V/S)

V = (S*T*(Q-S)) / Q

Where: T = Cycle Time (Min.)
S = Avg. Flow into Wet Well (GPM)
Q = Rated Pump Discharge (GPM)
V = Required Wet Well Storage Volume (Gal.)

For Minimum T =	15	Min.[1]			
S =	44.4	GPM	**Wet Well Diameter =**	**8.0**	**Feet**
Q =	422	GPM[2]	Available Storage =	376	Gal./Ft.
Then V =	**596**	**Gallons**	**Storage Depth =**	**1.59**	**Feet**
Check Run Time	**=**	**1.41 Min.**			

III. Wet Well Dimensions and Control Levels:

100 Year Flood Elevation	52.00	Feet[3]
Wet Well Top Elevation	**53.50**	Feet
Influent Gravity Sewer Invert Elev.	40.45	Feet
Freeboard =	0.95	Feet
Audible Alarm ON Elevation	39.50	Feet
Freeboard =	0.50	Feet
Lag Pump & Alarm Light ON Elev.	39.00	Feet
Freeboard =	0.50	Feet
Lead Pump ON Elev.	38.50	Feet
Storage Depth =	1.59	Feet
Both Pumps OFF Elev.	36.91	Feet
Sump Depth =	3.41	Feet
Wet Well Bottom Elevation	**33.50**	Feet[4]
Total Depth of Wet Well =	20.00	Feet
Station Yard Finish Grade Elevation	53.50	Feet
Minimum Station Yard Width =	50.0	Feet
Elevation at Point of Connection =	53.0	Feet[5]
Maximum Pressure at Point of Connection =	8.23	psi[6]
Hydraulic Grade Line at Point of Connection =	71.99	Feet
Total Static Head (High Point Scenario)=	**35.08**	**Feet**

IV. Check Wet Well Uplift:

Assume WT @ Elevation	52.00	
Wet Well Wall Thickness	8	Inches
Bottom Slab Lip	12	Inches
Bottom Slab Thickness	1.50	Feet
Bottom Slab Diameter	11.33	Feet
Volume of Water Displaced =	1417.0	CF
Total Uplift Force =	**88,423**	**lbs.**
Volume of Concrete =	514.3	CF
Weight of Concrete =	77,152	lbs.
Volume of Soil Above Slab =	649.3	CF
Weight of Soil Above Slab =	51,941	lbs.
Volume of Concrete Ballast =	270.0	CF
Weight of Concrete Ballast=	40,500	lbs.
Total Resistance Force =	**169,593**	**lbs.**
Factor of Safety =	**1.9**	

Notes:
[1] Minimum cycle time
[2] Design flow based on pump operating conditions
[3] Based on the design 100 yr Flood Elevation (Top of Bank Elevation)
[4] Wet well bottom must be a maximum of 20 feet below wet well top elevation
[5] Elevation at connection in proposed forcemain
[6] Based on elevations of the proposed MCU proposed forcemain

LIFT STATION CALCULATIONS - HIGH POINT POINT SCENARIO
Millwood Estates

V. Calculation of System Head Curve:

Total Static Head = 35.08 Feet

		Station Piping & additional		Proposed Force Main	
		6 " HPDE		6 " PVC	
Pipe Length (feet)		25		980	
Nominal Pipe Size (inches)		4		4	
Pipe Inside Dia. (inches)		5.571		6.134	
Pipe Area (Sq.-Ft.)		0.169		0.205	
Roughness C		120		120	
Fittings:			Tot K	No.	Tot K
Discharge Conn.	0.1	1	0.1	0	0
90 Deg. Bend	0.6	3	1.8	0	0
45 Deg. Bend	0.4	0	0	11	4.4
22.5 Deg. Bend	0.25	0	0	1	0.25
Sudden Expansion	0.2	0	0	0	0
Gate Valve	0.4	1	0.4	1	0.4
Check Valve	2.5	1	2.5	0	0
Wye Branch	0.5	0	0	0	0
Sudden Contraction	0.5	0	0	0	0
Total K-Value			4.8		5.05

Nominal Diameter	DIP Class 51 Inside Diameter (Inches)	PVC C900 DR18 Inside Diameter (Inches)	HDPE PE4710 DR11 Inside Diameter (Inches)
2	2.070	2.070	1.940
4	4.28	4.266	3.876
6	6.34	6.134	5.571
8	8.45	8.044	7.305
10	10.46	9.866	8.961
12	12.52	11.734	10.656

Pipe $H_f = (10.43LQ^{1.85})/(C^{1.85}D^{4.87})$

Fittings $H_f = K(Q/A)^2/64.4$

Q Inc. = 25

System Head Curve

Total Q (gpm)	Friction Losses in Feet					One Pump On TDH (feet)	Two Pumps On TDH (feet)	6" HDPE Velocity (Ft/Sec)	6" PVC Velocity (Ft/Sec)
	Pipe	Fittings	Pipe	Fittings	Total				
0	0.000	0.000	0.000	0.000	0.000	**35.08**	**35.08**	0.000	0.000
25	0.003	0.008	0.082	0.006	0.099	**35.18**	**35.17**	0.329	0.271
50	0.012	0.032	0.295	0.023	0.362	**35.44**	**35.41**	0.658	0.543
75	0.025	0.073	0.625	0.052	0.775	**35.85**	**35.78**	0.987	0.814
100	0.043	0.129	1.063	0.092	1.328	**36.41**	**36.28**	1.316	1.086
125	0.066	0.202	1.607	0.144	2.019	**37.10**	**36.90**	1.645	1.357
150	0.092	0.290	2.252	0.208	2.842	**37.92**	**37.64**	1.974	1.628
175	0.122	0.395	2.995	0.283	3.795	**38.87**	**38.49**	2.303	1.900
200	0.156	0.516	3.834	0.370	4.876	**39.95**	**39.45**	2.632	2.171
225	0.194	0.654	4.767	0.468	6.083	**41.16**	**40.53**	2.961	2.443
250	0.236	0.807	5.793	0.578	7.414	**42.49**	**41.72**	3.290	2.714
275	0.282	0.976	6.910	0.699	8.867	**43.95**	**43.01**	3.619	2.985
300	0.331	1.162	8.117	0.832	10.441	**45.52**	**44.41**	3.948	3.257
325	0.384	1.364	9.412	0.976	12.136	**47.21**	**45.92**	4.277	3.528
350	0.440	1.582	10.795	1.132	13.949	**49.03**	**47.52**	4.606	3.800
375	0.500	1.816	12.265	1.300	15.880	**50.96**	**49.24**	4.935	4.071
400	0.563	2.066	13.821	1.479	17.928	**53.01**	**51.05**	5.264	4.342
425	0.630	2.332	15.461	1.669	20.092	**55.17**	**52.97**	5.594	4.614
450	0.701	2.614	17.185	1.871	22.372	**57.45**	**54.98**	5.923	4.885
475	0.774	2.913	18.993	2.085	24.766	**59.84**	**57.10**	6.252	5.157
500	0.851	3.228	20.884	2.310	27.273	**62.35**	**59.32**	6.581	5.428
525	0.932	3.558	22.856	2.547	29.894	**64.97**	**61.63**	6.910	5.699
550	1.016	3.905	24.911	2.796	32.627	**67.71**	**64.04**	7.239	5.971

LIFT STATION CALCULATIONS - HIGH POINT SCENARIO

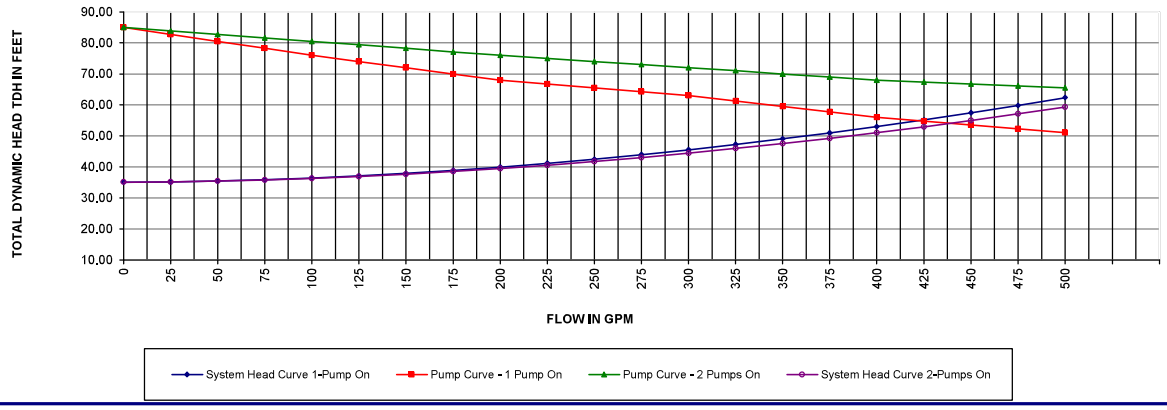
Millwood Estates

Proposed Pump:

Manufacturer: Grundfos
Model No.: SL1.30.A40.100.EX.4
Horse Power: 10 hp
RPM: 1750
Size:

Pump Duty Points		1-Pump On	2-Pumps On	2-Pumps On
Q (gpm)	H (ft)	TDH (feet)	H (ft)	TDH (feet)
0	85.0	35.08	85.00	35.08
25	82.8	35.18	83.88	35.17
50	80.5	35.44	82.75	35.41
75	78.3	35.85	81.63	35.78
100	76.0	36.41	80.50	36.28
125	74.0	37.10	79.38	36.90
150	72.0	37.92	78.25	37.64
175	70.0	38.87	77.13	38.49
200	68.0	39.95	76.00	39.45
225	66.8	41.16	75.00	40.53
250	65.5	42.49	74.00	41.72
275	64.3	43.95	73.00	43.01
300	63.0	45.52	72.00	44.41
325	61.3	47.21	71.00	45.92
350	59.5	49.03	70.00	47.52
375	57.8	50.96	69.00	49.24
400	56.0	53.01	68.00	51.05
425	54.8	55.17	67.38	52.97
450	53.5	57.45	66.75	54.98
475	52.3	59.84	66.13	57.10
500	51.0	62.35	65.50	59.32

PUMP AND SYSTEM HEAD CURVES



Pump Operating Conditions:	**421.9**	**GPM AT**	**54.9**	**FEET TDH**
Two Pumps On:	**554.5**	**GPM AT**	**64.1**	**FEET TDH**

3. PROPOSED SANITARY SEWER SYSTEM

C. PUMP DATA

GRUNDFOS

Submittal Data

PROJECT:		UNIT TAG:		QUANTITY:	
		TYPE OF SERVICE:			
REPRESENTATIVE:		SUBMITTED BY:		DATE:	
ENGINEER:		APPROVED BY:		DATE:	
CONTRACTOR:		ORDER NO.:		DATE:	

SL1.30.A40.100.EX.4.61R.C

Sewage pumps

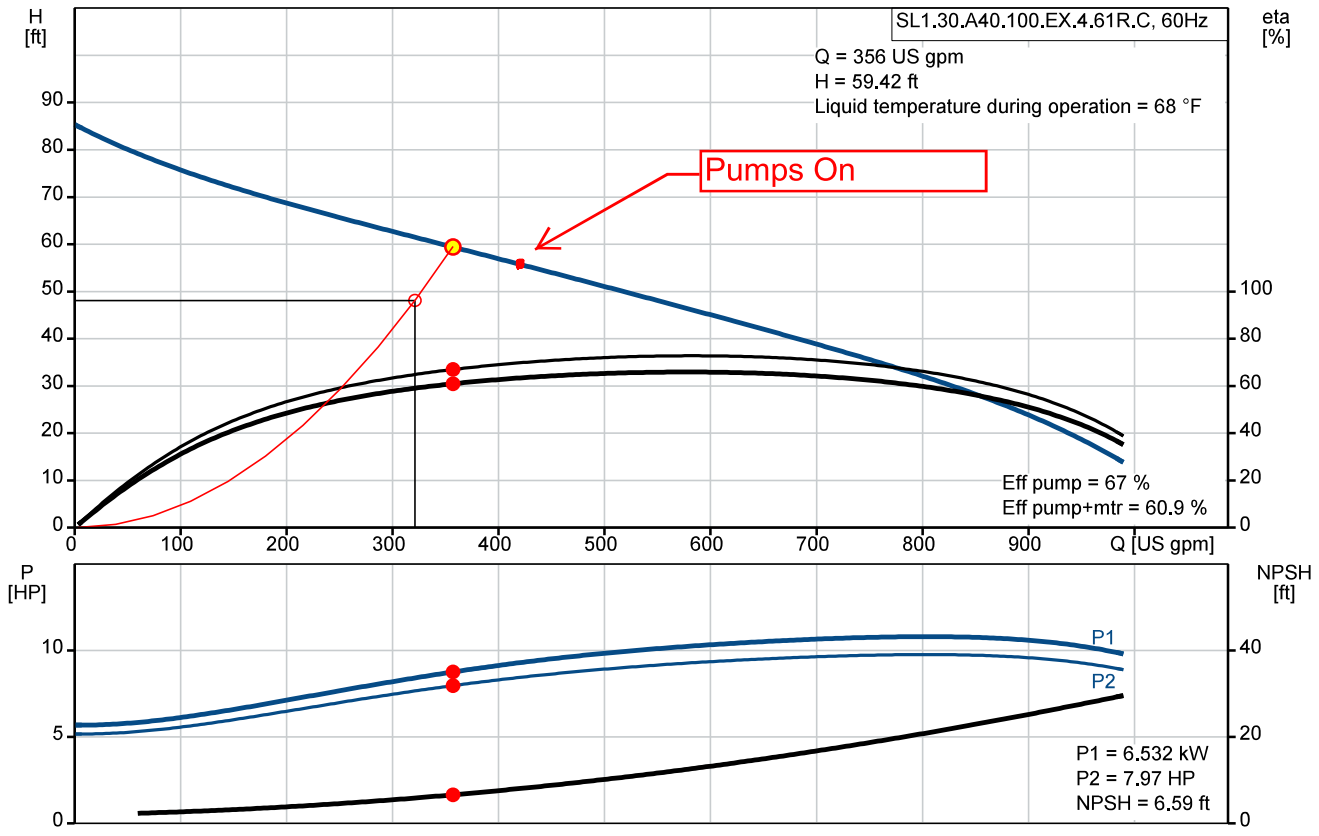


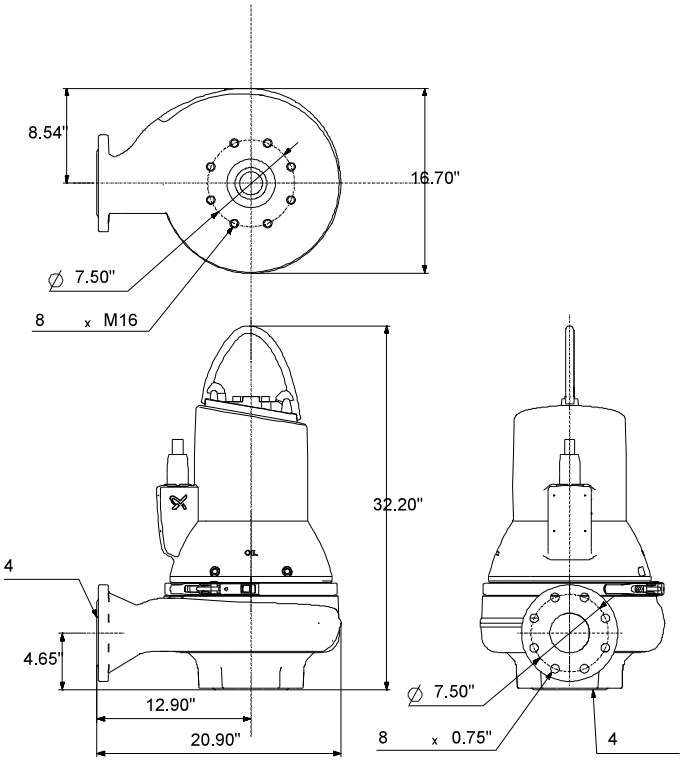
Product photo could vary from the actual product

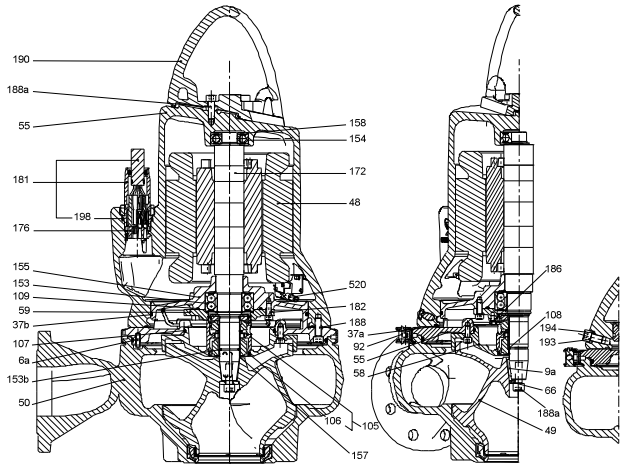
Conditions of Service	
Flow:	356 US gpm
Head:	59.42 ft
Efficiency:	60.9 %
Temperature:	68 °F
NPSH required:	6.59 ft
Specific Gravity:	1.000

Pump Data	
Maximum liquid temperature:	104 °F
Maximum ambient temperature:	104 °F
Approvals:	CSA, FM
Flange standard:	ANSI
Product number:	99030132

Motor Data	
Rated voltage:	230/460 V
Main frequency:	60 Hz
Number of poles:	4
Enclosure class:	IP68
Insulation class:	H
Motor protection:	THERMAL SWITCH
Eff. 1/1:	90.3 %







Materials:

Pump housing:	Cast iron
Pump housing:	EN 5.1301 EN-GJL-250
Pump housing:	ASTM ASTM A48-250B
Impeller:	Cast iron
Impeller:	EN 5.1301 EN-GJL-250
Impeller:	ASTM ASTM A48-250B
Motor:	EN-GJL-250

GRUNDFOS

Company name: F J Nugent & Associates Inc
Created by:
Phone:

Date: 5/18/2021

Count	Description
1	**SL1.30.A40.100.EX.4.61R.C**



Product photo could vary from the actual product

Product No.: 99030132

Non-self-priming, single-stage, centrifugal pump designed for handling wastewater, process water and unscreened raw sewage.

The pump is designed for intermittent and continous operations in submerged installation. The revolutionary S-tube® impeller provides free spherical passage of solids up to 3 1/8 in and is suitable for wastewater with a dry matter content of up to 3 %. A unique stainless-steel clamp assembling system enables quick and easy disassembly of the pump from the motor unit for service and inspection. No special tools are required. Pipework connection is via a ANSI flange.

The pump is explosion-proof.

Controls:

Moisture sensor:	with moisture sensors
Water-in-oil sensor:	without water-in-oil sensor

Liquid:

Maximum liquid temperature:	104 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³

Technical:

Actual calculated flow:	356 US gpm
Resulting head of the pump:	59.42 ft
Type of impeller:	S-TUBE
Maximum particle size:	3 1/8 in
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMICS
Approvals on nameplate:	CSA, FM
Curve tolerance:	ANSI/HI11.6:2017 3B2

Materials:

Pump housing:	Cast iron EN 5.1301 EN-GJL-250 ASTM ASTM A48-250B
Impeller:	Cast iron EN 5.1301 EN-GJL-250 ASTM ASTM A48-250B
Motor:	EN-GJL-250

Installation:

Maximum ambient temperature:	104 °F
Flange standard:	ANSI
Pump inlet:	100
Pump outlet:	100
Pressure stage:	PN 10

GRUNDFOS

Company name: F J Nugent & Associates Inc
Created by:
Phone:

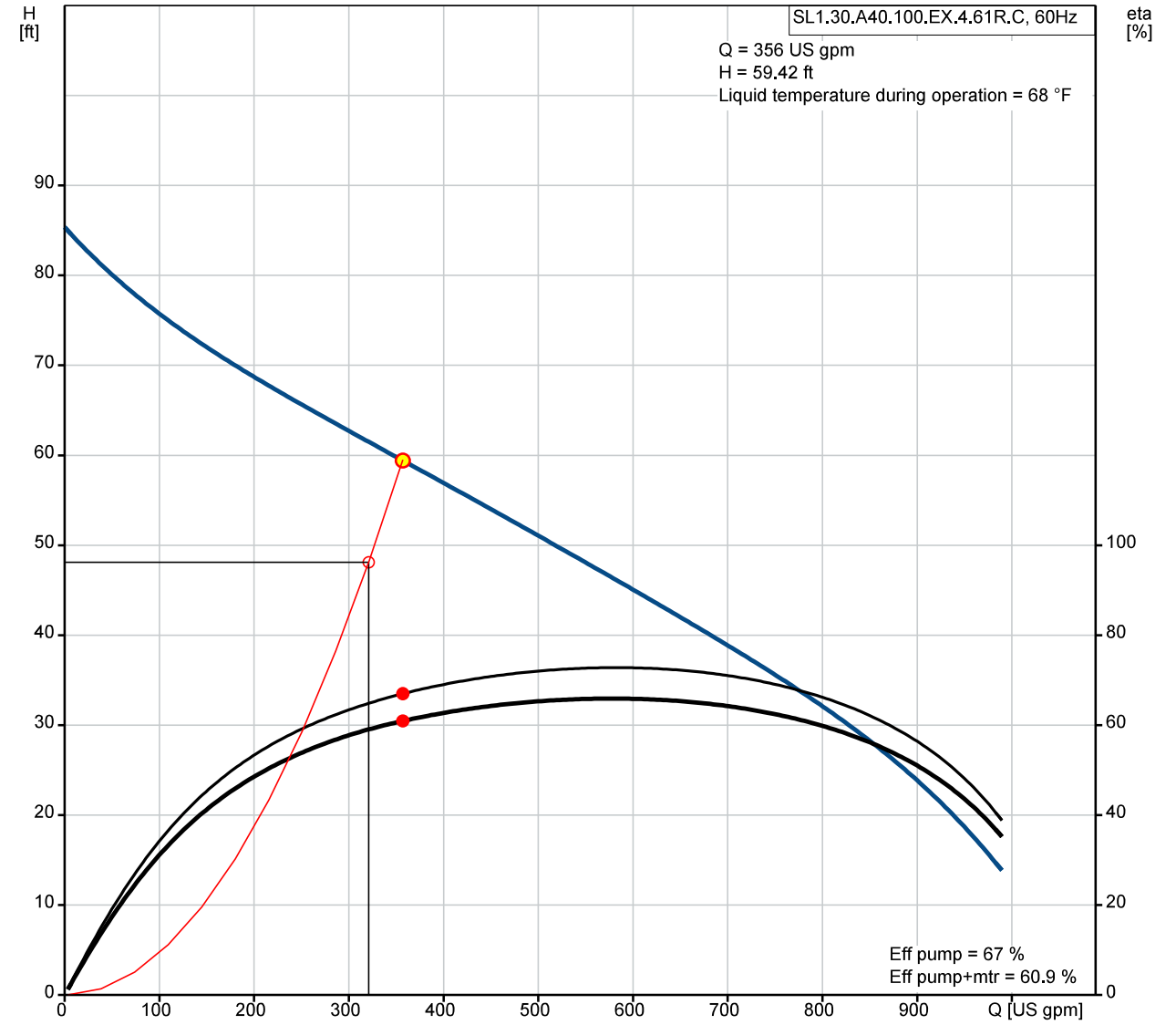
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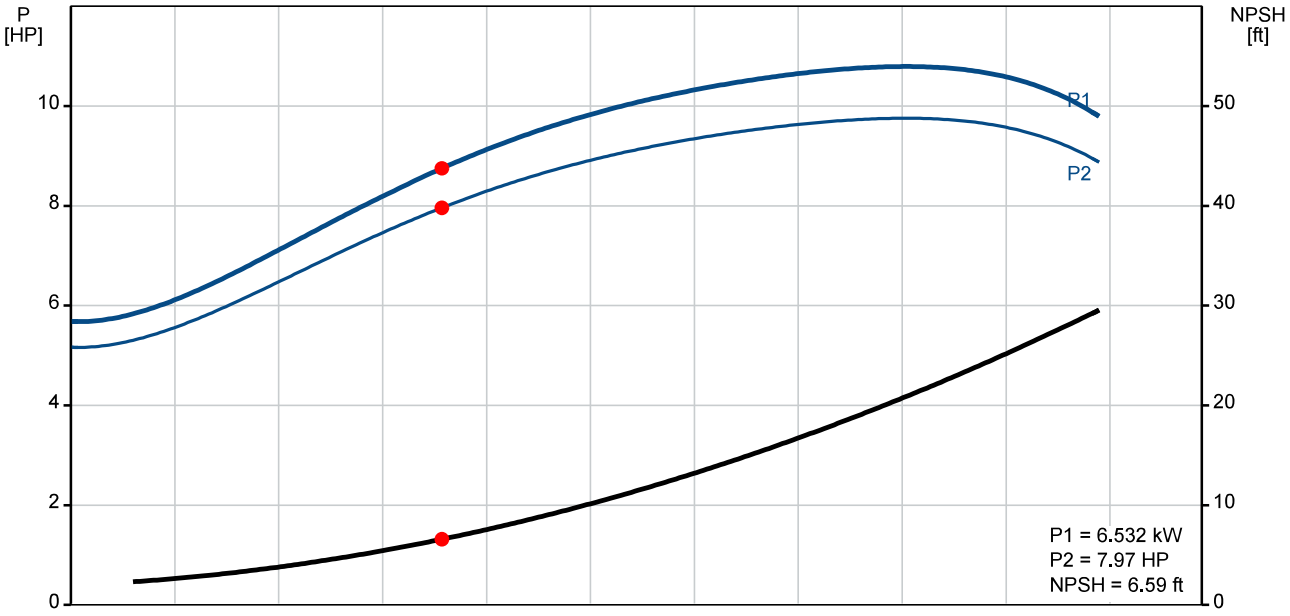
Count	Description	
	Maximum installation depth:	65.6 ft
	Auto-coupling:	97626238
	Frame range:	D
	Electrical data:	
	Power input - P1:	8.6 kW
	Rated power - P2:	10 HP
	Main frequency:	60 Hz
	Rated voltage:	3 x 230/460 V
	Voltage tolerance:	+10/-10 %
	Max starts per. hour:	20
	Rated current:	26/13.8 A
	Starting current:	160 A
	Cos phi - power factor:	0.87
	Cos phi - p.f. at 3/4 load:	0.84
	Cos phi - p.f. at 1/2 load:	0.75
	Rated speed:	1750 rpm
	Motor efficiency at full load:	90.3 %
	Motor efficiency at 3/4 load:	91.1 %
	Motor efficiency at 1/2 load:	90.9 %
	Number of poles:	4
	Start. method:	star/delta
	Enclosure class (IEC 34-5):	IP68
	Insulation class (IEC 85):	H
	Explosion proof:	yes
	Length of cable:	49 ft
	Cable type:	SEOOW 600V
	Others:	
	Net weight:	428 lb
	Country of origin:	US
	Custom tariff no.:	8413.70.2004

Company name: F J Nugent & Associates Inc
Created by:
Phone:

Date: 5/18/2021

99030132 SL1.30.A40.100.EX.4.61R.C 60 Hz

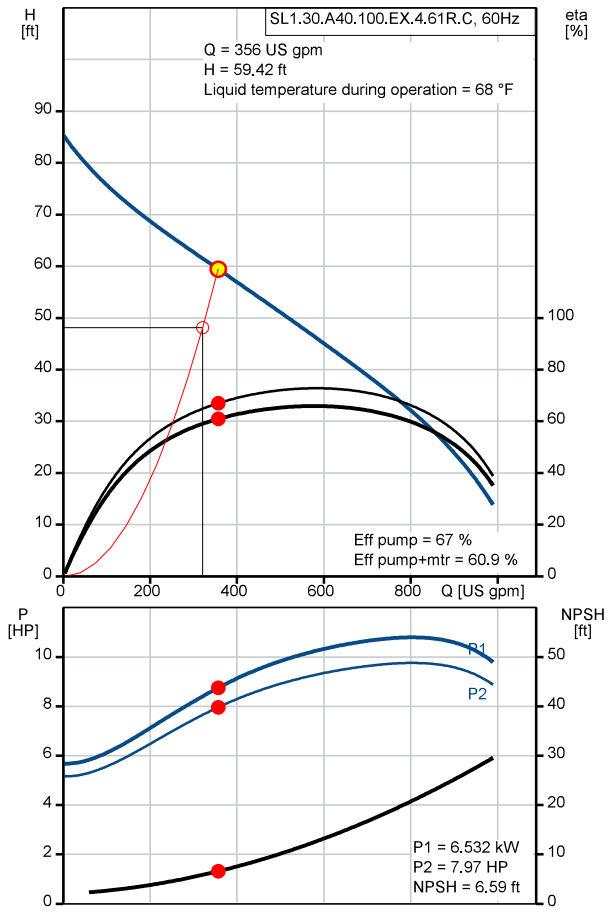


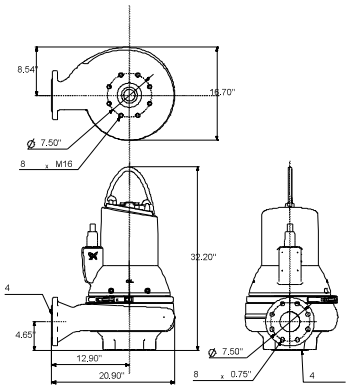


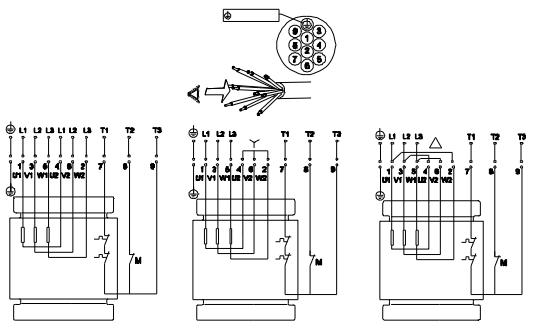
Company name: F J Nugent & Associates Inc
Created by:
Phone:

Date: 5/18/2021

Description	Value
General information:	
Product name:	SL1.30.A40.100.EX.4.61R.C
Product No.:	99030132
EAN:	5712605415619
Price:	$ 9116
Technical:	
Actual calculated flow:	356 US gpm
Maximum flow:	986 US gpm
Max flow:	986 US gpm
Resulting head of the pump:	59.42 ft
Head max:	85.31 ft
Type of impeller:	S-TUBE
Maximum particle size:	3 1/8 in
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMICS
Approvals on nameplate:	CSA, FM
Curve tolerance:	ANSI/HI11.6:2017 3B2
Cooling jacket:	without cooling jacket
Materials:	
Pump housing:	Cast iron
Pump housing:	EN 5.1301 EN-GJL-250
Pump housing:	ASTM ASTM A48-250B
Impeller:	Cast iron
Impeller:	EN 5.1301 EN-GJL-250
Impeller:	ASTM ASTM A48-250B
Motor:	EN-GJL-250
Installation:	
Maximum ambient temperature:	104 °F
Flange standard:	ANSI
Pump inlet:	100
Pump outlet:	100
Pressure stage:	PN 10
Maximum installation depth:	65.6 ft
Inst dry/wet:	SUBMERGED
Installation:	Vertical
Auto-coupling:	97626238
Frame range:	D
Liquid:	
Maximum liquid temperature:	104 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Power input - P1:	8.6 kW
Rated power - P2:	10 HP
Main frequency:	60 Hz
Rated voltage:	3 x 230/460 V
Voltage tolerance:	+10/-10 %
Max starts per. hour:	20
Rated current:	26/13.8 A
Starting current:	160 A
Cos phi - power factor:	0.87
Cos phi - p.f. at 3/4 load:	0.84
Cos phi - p.f. at 1/2 load:	0.75
Rated speed:	1750 rpm
Motor efficiency at full load:	90.3 %
Motor efficiency at 3/4 load:	91.1 %
Motor efficiency at 1/2 load:	90.9 %
Number of poles:	4







GRUNDFOS

Company name: F J Nugent & Associates Inc
Created by:
Phone:

Date: 5/18/2021

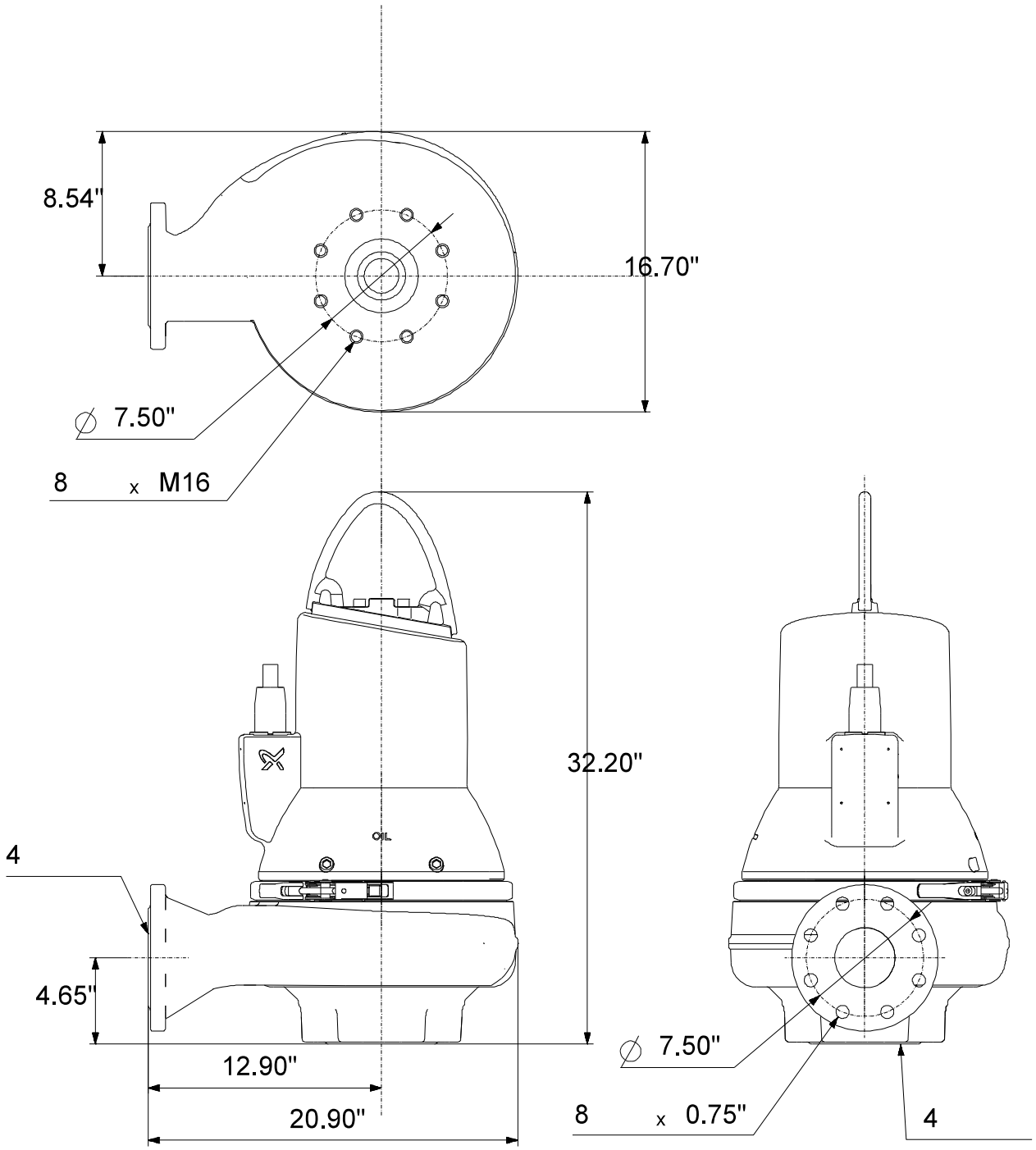
Description	Value
Start. method:	star/delta
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	H
Explosion proof:	yes
Motor protection:	THERMAL SWITCH
Length of cable:	49 ft
Cable type:	SEOOW 600V
Controls:	
Control box:	not included
Moisture sensor:	with moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
Others:	
Net weight:	428 lb
Country of origin:	US
Custom tariff no.:	8413.70.2004

GRUNDFOS

Company name: F J Nugent & Associates Inc
Created by:
Phone:

Date: 5/18/2021

99030132 SL1.30.A40.100.EX.4.61R.C 60 Hz

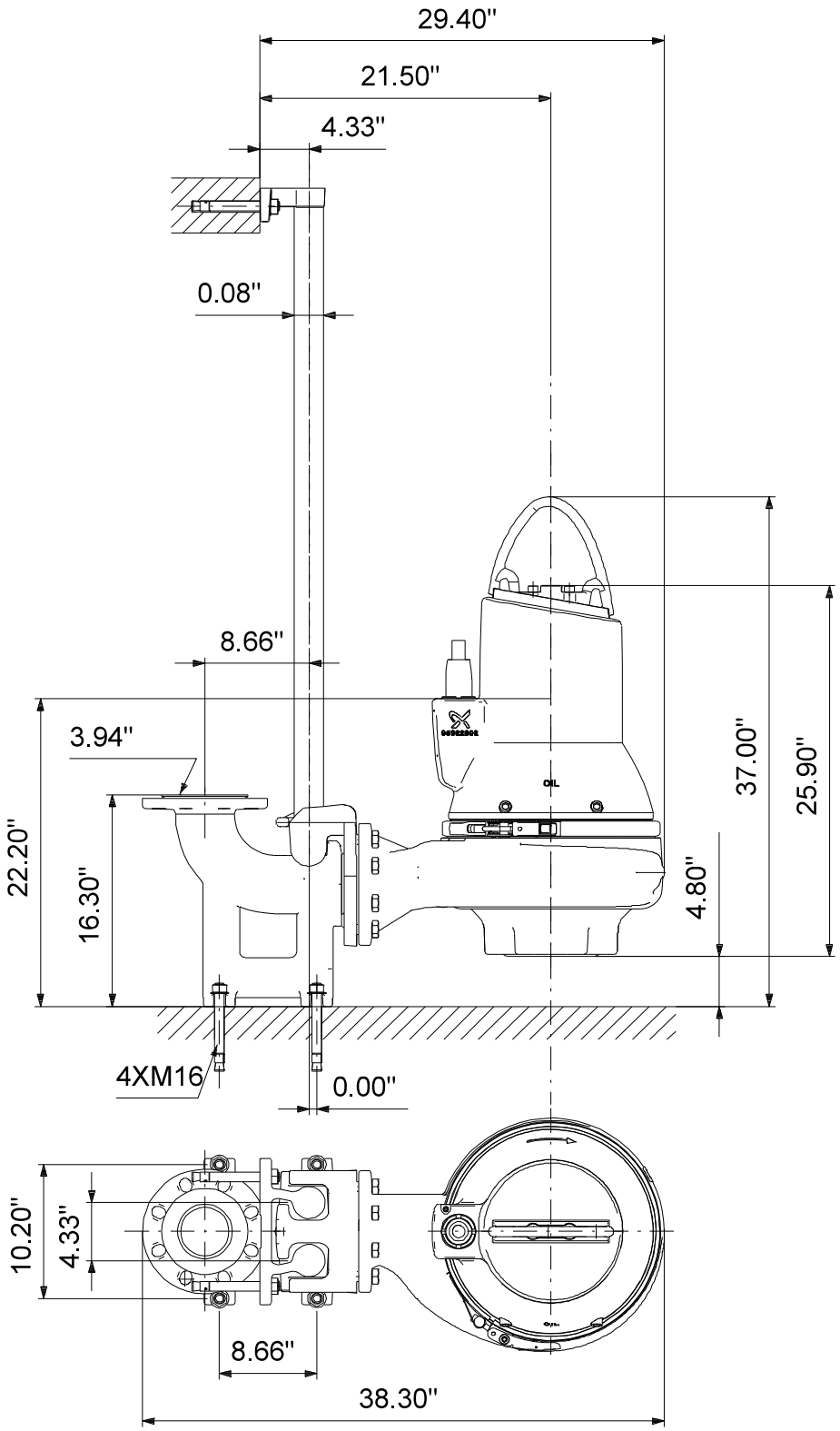


Note! All units are in [in] unless otherwise stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Company name: F J Nugent & Associates Inc
Created by:
Phone:

Date: 5/18/2021

99030132 SL1.30.A40.100.EX.4.61R.C 60 Hz

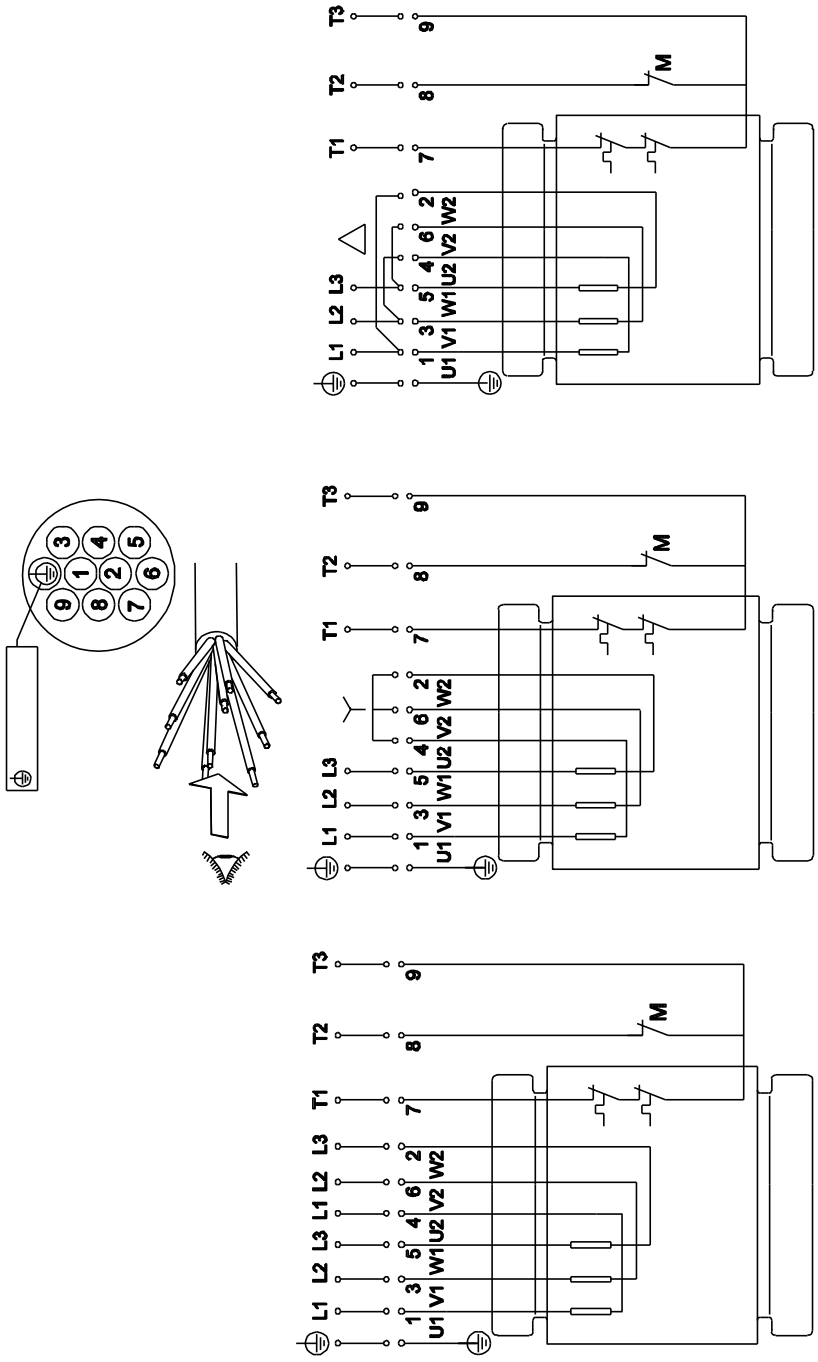


Note! All units are in [in] unless otherwise stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Company name: F J Nugent & Associates Inc
Created by:
Phone:

Date: 5/18/2021

99030132 SL1.30.A40.100.EX.4.61R.C 60 Hz



All units are [in] unless otherwise presented.

4. PROPOSED POTABLE WATER SYSTEM

A. DEMAND FLOW CALCUATIONS

Millwood Estates

POTABLE WATER DISTRIBUTION SYSTEM

DEMAND FLOW CALCULATIONS

Description	Number of Units	Flow Rate (GPD/Unit)	Number of ERCs	Average Daily Flow (GPD)	Average Daily Flow (GPM)	Max Daily Flow[2] (GPM)	Fire Flow[4] (GPM)	Flow Duration (HRS)	Peak Hourly Flow[3] (GPM)
Proposed SFR Lots	320	400 [1]	320.0	128,000	88.9	200.0	1000	2	400.0
Total			320.0	128000.0	88.9	200.0	1000	2	400.0

Notes:

[1] 400 GPD/ERC per Marion County criteria

[2] Assumed Peaking factor of 2.25, (MDF = ADF X 2.25)

[3] Assumed Peaking factor of 4.5, (PHF = ADF X 4.5)

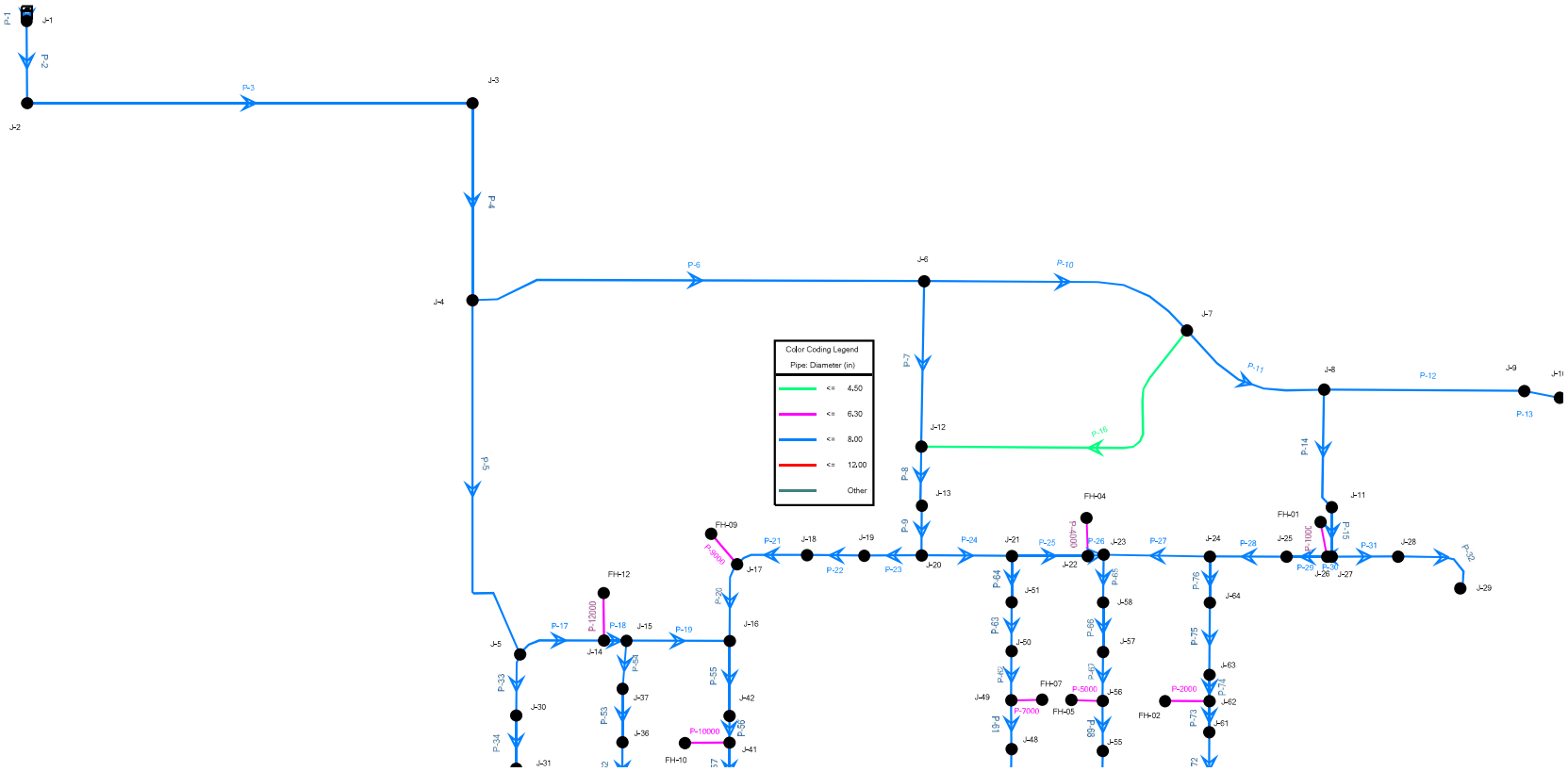
[4] Per Marion County Table 6-18.1, distance between buildings 11' <= D <= 30'

4. PROPOSED POTABLE WATER SYSTEM

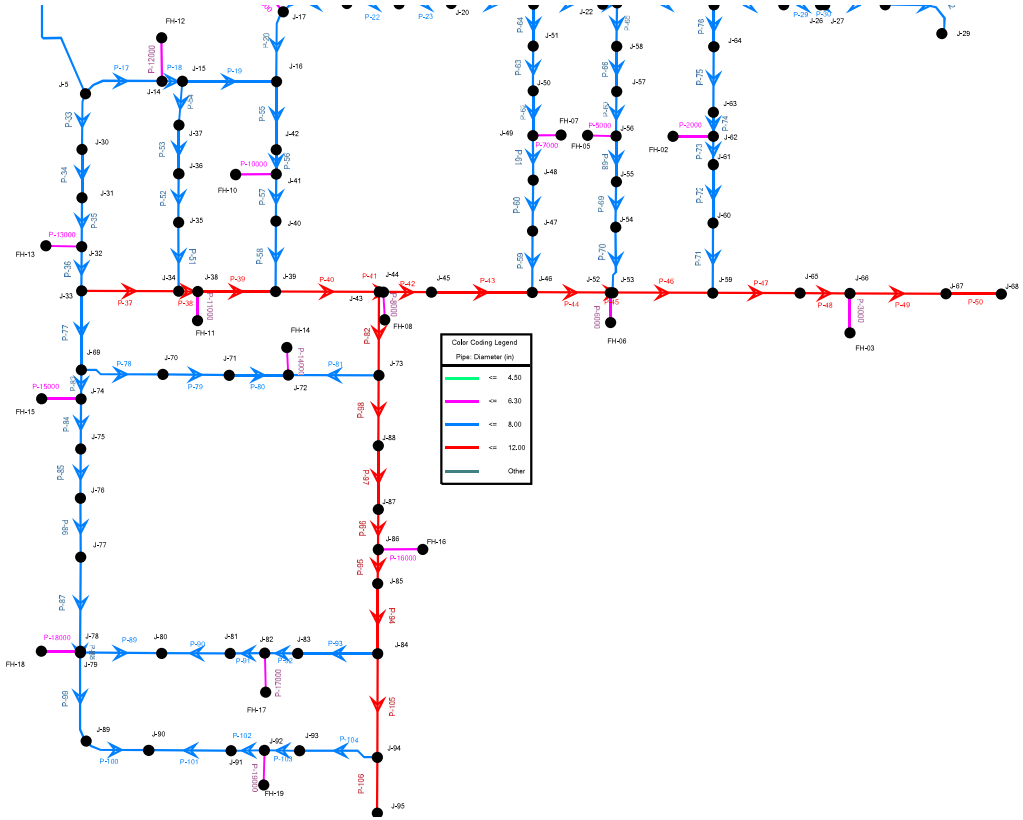
B. HYDRAULIC MODEL

1. SYSTEM EXHIBIT

Scenario: Base



Scenario: Base



4. PROPOSED POTABLE WATER SYSTEM

B. HYDRAULIC MODEL

2. ADF SCENARIO

ADF Scenario

Tank Table - Time: 0.00 hours

ID	Label	Zone	Elevation (Base) (ft)	Elevation (Minimum) (ft)	Elevation (Initial) (ft)	Elevation (Maximum) (ft)	Volume (Inactive) (MG)	Diameter (ft)	Flow (Out net) (gpm)	Hydraulic Grade (ft)
397	T-1	<None>	0.00	191.10	191.20	215.00	0.00	36.00	88.963	191.20

ADF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
42	FH-01	59.80	<None>	<Collection: 0 items>	0.000	190.76	56.66
56	FH-02	60.10	<None>	<Collection: 0 items>	0.000	190.76	56.53
68	FH-03	60.70	<None>	<Collection: 0 items>	0.000	190.76	56.27
93	FH-04	66.80	<None>	<Collection: 0 items>	0.000	190.76	53.63
82	FH-05	60.70	<None>	<Collection: 0 items>	0.000	190.76	56.27
97	FH-06	63.80	<None>	<Collection: 0 items>	0.000	190.76	54.93
105	FH-07	62.30	<None>	<Collection: 0 items>	0.000	190.76	55.58
139	FH-08	64.30	<None>	<Collection: 0 items>	0.000	190.76	54.71
137	FH-09	60.20	<None>	<Collection: 0 items>	0.000	190.76	56.49
123	FH-10	64.60	<None>	<Collection: 0 items>	0.000	190.76	54.58
148	FH-11	70.70	<None>	<Collection: 0 items>	0.000	190.76	51.95
157	FH-12	63.70	<None>	<Collection: 0 items>	0.000	190.77	54.98
159	FH-13	69.80	<None>	<Collection: 0 items>	0.000	190.76	52.34
168	FH-14	69.30	<None>	<Collection: 0 items>	0.000	190.76	52.55
183	FH-15	68.10	<None>	<Collection: 0 items>	0.000	190.76	53.07
185	FH-16	72.00	<None>	<Collection: 0 items>	0.000	190.76	51.38
187	FH-17	71.30	<None>	<Collection: 0 items>	0.000	190.76	51.68
189	FH-18	70.10	<None>	<Collection: 0 items>	0.000	190.76	52.20
200	FH-19	63.60	<None>	<Collection: 0 items>	0.000	190.76	55.02
399	J-1	66.00	<None>	<Collection: 0 items>	0.000	191.17	54.16
395	J-2	66.00	<None>	<Collection: 0 items>	0.000	191.13	54.14
393	J-3	68.00	<None>	<Collection: 0 items>	0.000	190.92	53.18
391	J-4	53.00	<None>	<Collection: 0 items>	0.000	190.83	59.63
225	J-5	56.10	<None>	<Collection: 1 item>	1.390	190.77	58.27
369	J-6	61.00	<None>	<Collection: 0 items>	0.000	190.78	56.15
339	J-7	57.00	<None>	<Collection: 0 items>	0.000	190.77	57.88
341	J-8	62.00	<None>	<Collection: 0 items>	0.000	190.77	55.71
366	J-9	57.00	<None>	<Collection: 0 items>	0.000	190.77	57.87
343	J-10	57.00	<None>	<Collection: 0 items>	0.000	190.77	57.87
31	J-11	56.70	<None>	<Collection: 0 items>	0.000	190.77	58.00
337	J-12	56.00	<None>	<Collection: 0 items>	0.000	190.77	58.31
115	J-13	55.50	<None>	<Collection: 0 items>	0.000	190.77	58.52
150	J-14	57.70	<None>	<Collection: 0 items>	0.000	190.77	57.57
141	J-15	57.60	<None>	<Collection: 1 item>	1.112	190.77	57.61
119	J-16	55.80	<None>	<Collection: 1 item>	1.112	190.76	58.39
117	J-17	54.20	<None>	<Collection: 1 item>	1.112	190.76	59.08
219	J-18	54.00	<None>	<Collection: 1 item>	1.112	190.76	59.17
222	J-19	55.60	<None>	<Collection: 1 item>	1.112	190.76	58.48
113	J-20	57.40	<None>	<Collection: 1 item>	0.834	190.76	57.70
109	J-21	60.00	<None>	<Collection: 1 item>	1.112	190.76	56.57
91	J-22	60.80	<None>	<Collection: 0 items>	0.000	190.76	56.23
74	J-23	60.10	<None>	<Collection: 1 item>	1.112	190.76	56.53
46	J-24	57.10	<None>	<Collection: 1 item>	0.834	190.76	57.83
44	J-25	55.00	<None>	<Collection: 1 item>	1.112	190.76	58.74
40	J-26	53.80	<None>	<Collection: 0 items>	0.000	190.76	59.26
32	J-27	53.70	<None>	<Collection: 1 item>	1.112	190.76	59.30

ADF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
36	J-28	52.10	<None>	<Collection: 1 item>	0.834	190.76	59.99
38	J-29	53.20	<None>	<Collection: 1 item>	1.390	190.76	59.52
228	J-30	58.60	<None>	<Collection: 1 item>	1.112	190.77	57.18
231	J-31	61.20	<None>	<Collection: 1 item>	1.112	190.77	56.06
152	J-32	63.80	<None>	<Collection: 1 item>	1.112	190.76	54.93
154	J-33	65.00	<None>	<Collection: 1 item>	1.390	190.76	54.41
143	J-34	64.90	<None>	<Collection: 1 item>	1.668	190.76	54.45
323	J-35	61.90	<None>	<Collection: 1 item>	1.112	190.76	55.75
326	J-36	59.60	<None>	<Collection: 1 item>	1.112	190.76	56.75
329	J-37	57.30	<None>	<Collection: 1 item>	1.112	190.76	57.74
145	J-38	64.70	<None>	<Collection: 0 items>	0.000	190.76	54.54
125	J-39	62.00	<None>	<Collection: 1 item>	1.668	190.76	55.71
213	J-40	60.00	<None>	<Collection: 1 item>	1.668	190.76	56.57
121	J-41	58.60	<None>	<Collection: 0 items>	0.000	190.76	57.18
216	J-42	58.00	<None>	<Collection: 1 item>	1.112	190.76	57.44
127	J-43	58.40	<None>	<Collection: 1 item>	1.390	190.76	57.27
130	J-44	58.30	<None>	<Collection: 0 items>	0.000	190.76	57.31
210	J-45	56.60	<None>	<Collection: 1 item>	1.390	190.76	58.05
99	J-46	57.40	<None>	<Collection: 1 item>	1.112	190.76	57.70
101	J-47	57.30	<None>	<Collection: 1 item>	1.112	190.76	57.74
207	J-48	55.50	<None>	<Collection: 1 item>	1.668	190.76	58.52
103	J-49	56.30	<None>	<Collection: 0 items>	0.000	190.76	58.18
204	J-50	57.50	<None>	<Collection: 1 item>	1.390	190.76	57.66
107	J-51	58.80	<None>	<Collection: 1 item>	1.112	190.76	57.09
95	J-52	57.80	<None>	<Collection: 0 items>	0.000	190.76	57.53
88	J-53	57.50	<None>	<Collection: 1 item>	1.390	190.76	57.66
86	J-54	54.80	<None>	<Collection: 1 item>	1.668	190.76	58.82
84	J-55	53.30	<None>	<Collection: 1 item>	1.112	190.76	59.47
80	J-56	54.70	<None>	<Collection: 1 item>	1.112	190.76	58.87
78	J-57	56.60	<None>	<Collection: 1 item>	1.112	190.76	58.05
76	J-58	58.40	<None>	<Collection: 1 item>	1.112	190.76	57.27
62	J-59	54.10	<None>	<Collection: 1 item>	1.668	190.76	59.13
60	J-60	51.80	<None>	<Collection: 1 item>	1.390	190.76	60.12
58	J-61	50.20	<None>	<Collection: 1 item>	1.112	190.76	60.81
54	J-62	54.10	<None>	<Collection: 0 items>	0.000	190.76	59.13
50	J-63	52.20	<None>	<Collection: 1 item>	1.390	190.76	59.95
48	J-64	55.30	<None>	<Collection: 1 item>	1.112	190.76	58.61
64	J-65	53.30	<None>	<Collection: 1 item>	1.112	190.76	59.47
66	J-66	54.70	<None>	<Collection: 1 item>	1.668	190.76	58.87
70	J-67	57.40	<None>	<Collection: 1 item>	2.224	190.76	57.70
72	J-68	59.10	<None>	<Collection: 0 items>	0.000	190.76	56.96
161	J-69	62.90	<None>	<Collection: 0 items>	0.000	190.76	55.32
237	J-70	62.60	<None>	<Collection: 1 item>	1.390	190.76	55.45
234	J-71	62.20	<None>	<Collection: 1 item>	1.668	190.76	55.62
163	J-72	63.30	<None>	<Collection: 1 item>	1.390	190.76	55.15
165	J-73	61.60	<None>	<Collection: 1 item>	1.390	190.76	55.88

ADF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
170	J-74	62.10	<None>	<Collection: 1 item>	1.390	190.76	55.67
240	J-75	63.20	<None>	<Collection: 1 item>	1.112	190.76	55.19
244	J-76	62.80	<None>	<Collection: 1 item>	1.112	190.76	55.36
247	J-77	61.60	<None>	<Collection: 1 item>	1.668	190.76	55.88
172	J-78	64.10	<None>	<Collection: 0 items>	0.000	190.76	54.80
174	J-79	64.10	<None>	<Collection: 1 item>	1.390	190.76	54.80
250	J-80	63.30	<None>	<Collection: 1 item>	1.390	190.76	55.15
253	J-81	65.50	<None>	<Collection: 1 item>	1.668	190.76	54.19
176	J-82	65.30	<None>	<Collection: 0 items>	0.000	190.76	54.28
256	J-83	64.40	<None>	<Collection: 1 item>	1.390	190.76	54.67
178	J-84	65.70	<None>	<Collection: 1 item>	1.390	190.76	54.11
271	J-85	65.30	<None>	<Collection: 1 item>	1.390	190.76	54.28
180	J-86	66.00	<None>	<Collection: 0 items>	0.000	190.76	53.98
274	J-87	64.40	<None>	<Collection: 1 item>	1.668	190.76	54.67
277	J-88	62.30	<None>	<Collection: 1 item>	1.390	190.76	55.58
259	J-89	64.10	<None>	<Collection: 1 item>	1.668	190.76	54.80
262	J-90	65.80	<None>	<Collection: 1 item>	1.668	190.76	54.06
265	J-91	68.10	<None>	<Collection: 1 item>	1.668	190.76	53.07
197	J-92	57.60	<None>	<Collection: 0 items>	0.000	190.76	57.61
268	J-93	66.20	<None>	<Collection: 1 item>	1.668	190.76	53.89
191	J-94	65.70	<None>	<Collection: 1 item>	1.668	190.76	54.11
202	J-95	67.10	<None>	<Collection: 0 items>	0.000	190.76	53.50

ADF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
401	P-1	20	J-1	T-1	7.98	PVC	140.0	False	0.000	-88.963	0.57	0.000	True	124
400	P-2	200	J-2	J-1	7.98	PVC	140.0	False	0.000	-88.963	0.57	0.000	False	0
396	P-3	1,086	J-3	J-2	7.98	PVC	140.0	False	0.000	-88.963	0.57	0.000	False	0
394	P-4	480	J-4	J-3	7.98	PVC	140.0	False	0.000	-88.963	0.57	0.000	False	0
402	P-5	926	J-5	J-4	7.98	PVC	140.0	False	0.000	-49.747	0.32	0.000	False	0
392	P-6	1,112	J-6	J-4	7.98	PVC	140.0	False	0.000	-39.216	0.25	0.000	False	0
371	P-7	403	J-6	J-12	7.98	PVC	140.0	False	0.000	22.756	0.15	0.000	False	0
338	P-8	144	J-13	J-12	7.98	PVC	140.0	False	0.000	-23.513	0.15	0.000	False	0
116	P-9	121	J-20	J-13	7.98	PVC	140.0	False	0.000	-23.513	0.15	0.000	False	0
370	P-10	680	J-7	J-6	7.98	PVC	140.0	False	0.000	-16.460	0.11	0.000	False	0
342	P-11	387	J-7	J-8	7.98	PVC	140.0	False	0.000	15.703	0.10	0.000	False	0
367	P-12	488	J-8	J-9	7.98	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
368	P-13	88	J-9	J-10	7.98	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
355	P-14	296	J-11	J-8	7.98	PVC	140.0	False	0.000	-15.703	0.10	0.000	False	0
33	P-15	121	J-11	J-27	7.98	PVC	140.0	False	0.390	15.703	0.10	0.000	False	0
340	P-16	845	J-12	J-7	4.23	PVC	140.0	False	0.000	-0.757	0.02	0.000	False	0
226	P-17	218	J-14	J-5	7.98	PVC	140.0	False	0.000	-24.498	0.16	0.000	False	0
151	P-18	55	J-15	J-14	7.98	PVC	140.0	False	0.000	-24.497	0.16	0.000	False	0
142	P-19	252	J-16	J-15	7.98	PVC	140.0	False	0.000	-9.815	0.06	0.000	False	0
120	P-20	192	J-17	J-16	7.98	PVC	140.0	False	0.000	2.856	0.02	0.000	False	0
221	P-21	178	J-18	J-17	7.98	PVC	140.0	False	0.000	3.968	0.03	0.000	False	0
224	P-22	140	J-19	J-18	7.98	PVC	140.0	False	0.000	5.080	0.03	0.000	False	0
223	P-23	140	J-20	J-19	7.98	PVC	140.0	False	0.000	6.192	0.04	0.000	False	0
114	P-24	220	J-21	J-20	7.98	PVC	140.0	False	0.000	-16.486	0.11	0.000	False	0
111	P-25	185	J-21	J-22	7.98	PVC	140.0	False	0.000	6.513	0.04	0.000	False	0
92	P-26	39	J-23	J-22	7.98	PVC	140.0	False	0.000	-6.512	0.04	0.000	False	0
75	P-27	259	J-24	J-23	7.98	PVC	140.0	False	0.000	2.511	0.02	0.000	False	0
47	P-28	187	J-25	J-24	7.98	PVC	140.0	False	0.000	11.255	0.07	0.000	False	0
45	P-29	99	J-26	J-25	7.98	PVC	140.0	False	0.000	12.367	0.08	0.000	False	0
41	P-30	11	J-27	J-26	7.98	PVC	140.0	False	0.000	12.367	0.08	0.000	False	0
37	P-31	162	J-27	J-28	7.98	PVC	140.0	False	0.000	2.224	0.01	0.000	False	0
39	P-32	217	J-28	J-29	7.98	PVC	140.0	False	0.000	1.390	0.01	0.000	False	0
229	P-33	151	J-5	J-30	7.98	PVC	140.0	False	0.000	23.859	0.15	0.000	False	0
232	P-34	129	J-30	J-31	7.98	PVC	140.0	False	0.000	22.747	0.15	0.000	False	0
233	P-35	131	J-31	J-32	7.98	PVC	140.0	False	0.000	21.635	0.14	0.000	False	0
155	P-36	118	J-32	J-33	7.98	PVC	140.0	False	0.000	20.523	0.13	0.000	False	0
156	P-37	260	J-33	J-34	12.00	PVC	140.0	False	0.000	6.398	0.02	0.000	False	0
146	P-38	51	J-34	J-38	12.00	PVC	140.0	False	0.000	14.965	0.04	0.000	False	0
147	P-39	209	J-38	J-39	12.00	PVC	140.0	False	0.000	14.965	0.04	0.000	False	0
128	P-40	277	J-39	J-43	12.00	PVC	140.0	False	0.000	22.075	0.06	0.000	False	0
131	P-41	11	J-43	J-44	12.00	PVC	140.0	False	0.000	2.284	0.01	0.000	False	0
211	P-42	129	J-44	J-45	12.00	PVC	140.0	False	0.000	2.284	0.01	0.000	False	0
212	P-43	270	J-45	J-46	12.00	PVC	140.0	False	0.000	0.894	0.00	0.000	False	0
100	P-44	209	J-52	J-46	12.00	PVC	140.0	False	0.000	-3.361	0.01	0.000	False	0

ADF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
96	P-45	6	J-53	J-52	12.00	PVC	140.0	False	0.000	-3.361	0.01	0.000	False	0
90	P-46	268	J-53	J-59	12.00	PVC	140.0	False	0.000	3.767	0.01	0.000	False	0
65	P-47	234	J-59	J-65	12.00	PVC	140.0	False	0.000	5.004	0.01	0.000	False	0
67	P-48	133	J-65	J-66	12.00	PVC	140.0	False	0.000	3.892	0.01	0.000	False	0
71	P-49	257	J-66	J-67	12.00	PVC	140.0	False	0.000	2.224	0.01	0.000	False	0
73	P-50	148	J-67	J-68	12.00	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
325	P-51	184	J-35	J-34	7.98	PVC	140.0	False	0.000	10.235	0.07	0.000	False	0
328	P-52	130	J-36	J-35	7.98	PVC	140.0	False	0.000	11.347	0.07	0.000	False	0
331	P-53	131	J-37	J-36	7.98	PVC	140.0	False	0.000	12.459	0.08	0.000	False	0
330	P-54	117	J-15	J-37	7.98	PVC	140.0	False	0.000	13.571	0.09	0.000	False	0
217	P-55	183	J-16	J-42	7.98	PVC	140.0	False	0.000	11.559	0.07	0.000	False	0
218	P-56	65	J-42	J-41	7.98	PVC	140.0	False	0.000	10.447	0.07	0.000	False	0
214	P-57	126	J-41	J-40	7.98	PVC	140.0	False	0.000	10.447	0.07	0.000	False	0
215	P-58	188	J-40	J-39	7.98	PVC	140.0	False	0.000	8.779	0.06	0.000	False	0
102	P-59	164	J-46	J-47	7.98	PVC	140.0	False	0.000	-3.579	0.02	0.000	False	0
208	P-60	136	J-47	J-48	7.98	PVC	140.0	False	0.000	-4.691	0.03	0.000	False	0
209	P-61	119	J-48	J-49	7.98	PVC	140.0	False	0.000	-6.359	0.04	0.000	False	0
205	P-62	120	J-49	J-50	7.98	PVC	140.0	False	0.000	-6.359	0.04	0.000	False	0
206	P-63	119	J-50	J-51	7.98	PVC	140.0	False	0.000	-7.749	0.05	0.000	False	0
110	P-64	112	J-51	J-21	7.98	PVC	140.0	False	0.000	-8.861	0.06	0.000	False	0
77	P-65	116	J-23	J-58	7.98	PVC	140.0	False	0.000	7.912	0.05	0.000	False	0
79	P-66	121	J-58	J-57	7.98	PVC	140.0	False	0.000	6.800	0.04	0.000	False	0
81	P-67	119	J-57	J-56	7.98	PVC	140.0	False	0.000	5.688	0.04	0.000	False	0
85	P-68	122	J-56	J-55	7.98	PVC	140.0	False	0.000	4.576	0.03	0.000	False	0
87	P-69	122	J-55	J-54	7.98	PVC	140.0	False	0.000	3.464	0.02	0.000	False	0
89	P-70	178	J-54	J-53	7.98	PVC	140.0	False	0.000	1.796	0.01	0.000	False	0
63	P-71	187	J-60	J-59	7.98	PVC	140.0	False	0.000	2.905	0.02	0.000	False	0
61	P-72	156	J-61	J-60	7.98	PVC	140.0	False	0.000	4.295	0.03	0.000	False	0
59	P-73	75	J-62	J-61	7.98	PVC	140.0	False	0.000	5.407	0.03	0.000	False	0
55	P-74	64	J-63	J-62	7.98	PVC	140.0	False	0.000	5.408	0.03	0.000	False	0
51	P-75	176	J-64	J-63	7.98	PVC	140.0	False	0.000	6.798	0.04	0.000	False	0
49	P-76	112	J-24	J-64	7.98	PVC	140.0	False	0.000	7.910	0.05	0.000	False	0
162	P-77	211	J-33	J-69	7.98	PVC	140.0	False	0.000	12.735	0.08	0.000	False	0
238	P-78	223	J-69	J-70	7.98	PVC	140.0	False	0.000	3.521	0.02	0.000	False	0
239	P-79	178	J-70	J-71	7.98	PVC	140.0	False	0.000	2.131	0.01	0.000	False	0
236	P-80	158	J-71	J-72	7.98	PVC	140.0	False	0.000	0.463	0.00	0.000	False	0
166	P-81	242	J-72	J-73	7.98	PVC	140.0	False	0.000	-0.928	0.01	0.000	False	0
167	P-82	223	J-73	J-43	12.00	PVC	140.0	False	0.000	-18.402	0.05	0.000	False	0
171	P-83	78	J-69	J-74	7.98	PVC	140.0	False	0.000	9.215	0.06	0.000	False	0
241	P-84	134	J-74	J-75	7.98	PVC	140.0	False	0.000	7.825	0.05	0.000	False	0
245	P-85	131	J-75	J-76	7.98	PVC	140.0	False	0.000	6.713	0.04	0.000	False	0
248	P-86	158	J-76	J-77	7.98	PVC	140.0	False	0.000	5.601	0.04	0.000	False	0
249	P-87	252	J-77	J-78	7.98	PVC	140.0	False	0.000	3.933	0.03	0.000	False	0
175	P-88	4	J-78	J-79	7.98	PVC	140.0	False	0.000	3.932	0.03	0.000	False	0

ADF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
251	P-89	218	J-79	J-80	7.98	PVC	140.0	False	0.000	0.204	0.00	0.000	False	0
254	P-90	184	J-80	J-81	7.98	PVC	140.0	False	0.000	-1.186	0.01	0.000	False	0
255	P-91	93	J-81	J-82	7.98	PVC	140.0	False	0.000	-2.854	0.02	0.000	False	0
257	P-92	88	J-82	J-83	7.98	PVC	140.0	False	0.000	-2.854	0.02	0.000	False	0
258	P-93	214	J-83	J-84	7.98	PVC	140.0	False	0.000	-4.244	0.03	0.000	False	0
272	P-94	187	J-84	J-85	12.00	PVC	140.0	False	0.000	-11.636	0.03	0.000	False	0
273	P-95	91	J-85	J-86	12.00	PVC	140.0	False	0.000	-13.026	0.04	0.000	False	0
275	P-96	107	J-86	J-87	12.00	PVC	140.0	False	0.000	-13.026	0.04	0.000	False	0
278	P-97	171	J-87	J-88	12.00	PVC	140.0	False	0.000	-14.694	0.04	0.000	False	0
279	P-98	188	J-88	J-73	12.00	PVC	140.0	False	0.000	-16.084	0.05	0.000	False	0
261	P-99	241	J-89	J-79	7.98	PVC	140.0	False	0.000	-2.338	0.01	0.000	False	0
264	P-100	175	J-90	J-89	7.98	PVC	140.0	False	0.000	-0.670	0.00	0.000	False	0
267	P-101	221	J-91	J-90	7.98	PVC	140.0	False	0.000	0.998	0.01	0.000	False	0
266	P-102	89	J-92	J-91	7.98	PVC	140.0	False	0.000	2.666	0.02	0.000	False	0
270	P-103	94	J-93	J-92	7.98	PVC	140.0	False	0.000	2.666	0.02	0.000	False	0
280	P-104	216	J-93	J-94	7.98	PVC	140.0	False	0.000	-4.334	0.03	0.000	False	0
192	P-105	277	J-84	J-94	12.00	PVC	140.0	False	0.000	6.002	0.02	0.000	False	0
203	P-106	149	J-94	J-95	12.00	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
43	P-1000	86	J-26	FH-01	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
57	P-2000	108	J-62	FH-02	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
69	P-3000	106	J-66	FH-03	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
94	P-4000	93	J-22	FH-04	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
83	P-5000	76	J-56	FH-05	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
98	P-6000	79	J-52	FH-06	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
106	P-7000	75	J-49	FH-07	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
140	P-8000	74	J-44	FH-08	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
138	P-9000	98	J-17	FH-09	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
124	P-10000	109	J-41	FH-10	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
149	P-11000	78	J-38	FH-11	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
158	P-12000	116	J-14	FH-12	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
160	P-13000	96	J-32	FH-13	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
169	P-14000	74	J-72	FH-14	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
184	P-15000	106	J-74	FH-15	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
186	P-16000	119	J-86	FH-16	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
188	P-17000	104	J-82	FH-17	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
190	P-18000	104	J-78	FH-18	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
201	P-19000	93	J-92	FH-19	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6

4. PROPOSED POTABLE WATER SYSTEM

B. HYDRAULIC MODEL

3. MDF + FF SCENARIO

MDF+FF Scenario

Tank Table - Time: 0.00 hours

ID	Label	Zone	Elevation (Base) (ft)	Elevation (Minimum) (ft)	Elevation (Initial) (ft)	Elevation (Maximum) (ft)	Volume (Inactive) (MG)	Diameter (ft)	Flow (Out net) (gpm)	Hydraulic Grade (ft)
397	T-1	<None>	0.00	191.10	191.20	215.00	0.00	36.00	200.161	191.20

MDF+FF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
42	FH-01	59.80	<None>	<Collection: 0 items>	0.000	189.22	56.00
56	FH-02	60.10	<None>	<Collection: 0 items>	0.000	189.22	55.86
68	FH-03	60.70	<None>	<Collection: 0 items>	0.000	189.21	55.60
93	FH-04	66.80	<None>	<Collection: 0 items>	0.000	189.22	52.96
82	FH-05	60.70	<None>	<Collection: 0 items>	0.000	189.22	55.60
97	FH-06	63.80	<None>	<Collection: 0 items>	0.000	189.21	54.26
105	FH-07	62.30	<None>	<Collection: 0 items>	0.000	189.22	54.91
139	FH-08	64.30	<None>	<Collection: 0 items>	0.000	189.21	54.04
137	FH-09	60.20	<None>	<Collection: 0 items>	0.000	189.23	55.82
123	FH-10	64.60	<None>	<Collection: 0 items>	0.000	189.22	53.92
148	FH-11	70.70	<None>	<Collection: 0 items>	0.000	189.22	51.28
157	FH-12	63.70	<None>	<Collection: 0 items>	0.000	189.24	54.31
159	FH-13	69.80	<None>	<Collection: 0 items>	0.000	189.23	51.67
168	FH-14	69.30	<None>	<Collection: 0 items>	0.000	189.21	51.88
183	FH-15	68.10	<None>	<Collection: 0 items>	0.000	189.21	52.40
185	FH-16	72.00	<None>	<Collection: 0 items>	0.000	189.21	50.71
187	FH-17	71.30	<None>	<Collection: 0 items>	0.000	189.21	51.01
189	FH-18	70.10	<None>	<Collection: 0 items>	0.000	189.21	51.53
200	FH-19	63.60	<None>	<Collection: 0 items>	0.000	189.21	54.34
399	J-1	66.00	<None>	<Collection: 0 items>	0.000	191.07	54.11
395	J-2	66.00	<None>	<Collection: 0 items>	0.000	190.88	54.03
393	J-3	68.00	<None>	<Collection: 0 items>	0.000	189.95	52.76
391	J-4	53.00	<None>	<Collection: 0 items>	0.000	189.54	59.07
225	J-5	56.10	<None>	<Collection: 1 item>	3.128	189.25	57.61
369	J-6	61.00	<None>	<Collection: 0 items>	0.000	189.28	55.50
339	J-7	57.00	<None>	<Collection: 0 items>	0.000	189.25	57.22
341	J-8	62.00	<None>	<Collection: 0 items>	0.000	189.24	55.05
366	J-9	57.00	<None>	<Collection: 0 items>	0.000	189.24	57.21
343	J-10	57.00	<None>	<Collection: 0 items>	0.000	189.24	57.21
31	J-11	56.70	<None>	<Collection: 0 items>	0.000	189.23	57.34
337	J-12	56.00	<None>	<Collection: 0 items>	0.000	189.25	57.65
115	J-13	55.50	<None>	<Collection: 0 items>	0.000	189.24	57.86
150	J-14	57.70	<None>	<Collection: 0 items>	0.000	189.24	56.91
141	J-15	57.60	<None>	<Collection: 1 item>	2.502	189.23	56.95
119	J-16	55.80	<None>	<Collection: 1 item>	2.502	189.23	57.73
117	J-17	54.20	<None>	<Collection: 1 item>	2.502	189.23	58.42
219	J-18	54.00	<None>	<Collection: 1 item>	2.502	189.23	58.51
222	J-19	55.60	<None>	<Collection: 1 item>	2.502	189.23	57.81
113	J-20	57.40	<None>	<Collection: 1 item>	1.876	189.23	57.04
109	J-21	60.00	<None>	<Collection: 1 item>	2.502	189.22	55.91
91	J-22	60.80	<None>	<Collection: 0 items>	0.000	189.22	55.56
74	J-23	60.10	<None>	<Collection: 1 item>	2.502	189.22	55.86
46	J-24	57.10	<None>	<Collection: 1 item>	1.876	189.22	57.16
44	J-25	55.00	<None>	<Collection: 1 item>	2.502	189.22	58.07
40	J-26	53.80	<None>	<Collection: 0 items>	0.000	189.22	58.59
32	J-27	53.70	<None>	<Collection: 1 item>	2.502	189.22	58.64

MDF+FF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
36	J-28	52.10	<None>	<Collection: 1 item>	1.876	189.22	59.33
38	J-29	53.20	<None>	<Collection: 1 item>	3.128	189.22	58.85
228	J-30	58.60	<None>	<Collection: 1 item>	2.502	189.24	56.52
231	J-31	61.20	<None>	<Collection: 1 item>	2.502	189.23	55.39
152	J-32	63.80	<None>	<Collection: 1 item>	2.502	189.23	54.27
154	J-33	65.00	<None>	<Collection: 1 item>	3.128	189.22	53.74
143	J-34	64.90	<None>	<Collection: 1 item>	3.753	189.22	53.79
323	J-35	61.90	<None>	<Collection: 1 item>	2.502	189.22	55.09
326	J-36	59.60	<None>	<Collection: 1 item>	2.502	189.22	56.08
329	J-37	57.30	<None>	<Collection: 1 item>	2.502	189.23	57.08
145	J-38	64.70	<None>	<Collection: 0 items>	0.000	189.22	53.87
125	J-39	62.00	<None>	<Collection: 1 item>	3.753	189.22	55.04
213	J-40	60.00	<None>	<Collection: 1 item>	3.753	189.22	55.91
121	J-41	58.60	<None>	<Collection: 0 items>	0.000	189.22	56.51
216	J-42	58.00	<None>	<Collection: 1 item>	2.502	189.22	56.77
127	J-43	58.40	<None>	<Collection: 1 item>	3.128	189.21	56.60
130	J-44	58.30	<None>	<Collection: 0 items>	0.000	189.21	56.64
210	J-45	56.60	<None>	<Collection: 1 item>	3.128	189.21	57.38
99	J-46	57.40	<None>	<Collection: 1 item>	2.502	189.21	57.03
101	J-47	57.30	<None>	<Collection: 1 item>	2.502	189.21	57.07
207	J-48	55.50	<None>	<Collection: 1 item>	3.753	189.22	57.85
103	J-49	56.30	<None>	<Collection: 0 items>	0.000	189.22	57.51
204	J-50	57.50	<None>	<Collection: 1 item>	3.128	189.22	56.99
107	J-51	58.80	<None>	<Collection: 1 item>	2.502	189.22	56.43
95	J-52	57.80	<None>	<Collection: 0 items>	0.000	189.21	56.86
88	J-53	57.50	<None>	<Collection: 1 item>	3.128	189.21	56.99
86	J-54	54.80	<None>	<Collection: 1 item>	3.753	189.21	58.15
84	J-55	53.30	<None>	<Collection: 1 item>	2.502	189.21	58.80
80	J-56	54.70	<None>	<Collection: 1 item>	2.502	189.22	58.20
78	J-57	56.60	<None>	<Collection: 1 item>	2.502	189.22	57.38
76	J-58	58.40	<None>	<Collection: 1 item>	2.502	189.22	56.60
62	J-59	54.10	<None>	<Collection: 1 item>	3.753	189.21	58.46
60	J-60	51.80	<None>	<Collection: 1 item>	3.128	189.21	59.45
58	J-61	50.20	<None>	<Collection: 1 item>	2.502	189.21	60.15
54	J-62	54.10	<None>	<Collection: 0 items>	0.000	189.22	58.46
50	J-63	52.20	<None>	<Collection: 1 item>	3.128	189.22	59.28
48	J-64	55.30	<None>	<Collection: 1 item>	2.502	189.22	57.94
64	J-65	53.30	<None>	<Collection: 1 item>	2.502	189.21	58.80
66	J-66	54.70	<None>	<Collection: 1 item>	3.753	189.21	58.20
70	J-67	57.40	<None>	<Collection: 1 item>	5.004	189.21	57.03
72	J-68	59.10	<None>	<Collection: 0 items>	0.000	189.21	56.29
161	J-69	62.90	<None>	<Collection: 0 items>	0.000	189.21	54.65
237	J-70	62.60	<None>	<Collection: 1 item>	3.128	189.21	54.78
234	J-71	62.20	<None>	<Collection: 1 item>	3.753	189.21	54.95
163	J-72	63.30	<None>	<Collection: 1 item>	3.128	189.21	54.48
165	J-73	61.60	<None>	<Collection: 1 item>	3.128	189.21	55.21

MDF+FF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
170	J-74	62.10	<None>	<Collection: 1 item>	3.128	189.21	55.00
240	J-75	63.20	<None>	<Collection: 1 item>	2.502	189.21	54.52
244	J-76	62.80	<None>	<Collection: 1 item>	2.502	189.21	54.69
247	J-77	61.60	<None>	<Collection: 1 item>	3.753	189.21	55.21
172	J-78	64.10	<None>	<Collection: 0 items>	0.000	189.21	54.13
174	J-79	64.10	<None>	<Collection: 1 item>	3.128	189.21	54.13
250	J-80	63.30	<None>	<Collection: 1 item>	3.128	189.21	54.47
253	J-81	65.50	<None>	<Collection: 1 item>	3.753	189.21	53.52
176	J-82	65.30	<None>	<Collection: 0 items>	0.000	189.21	53.61
256	J-83	64.40	<None>	<Collection: 1 item>	3.128	189.21	54.00
178	J-84	65.70	<None>	<Collection: 1 item>	3.128	189.21	53.44
271	J-85	65.30	<None>	<Collection: 1 item>	3.128	189.21	53.61
180	J-86	66.00	<None>	<Collection: 0 items>	0.000	189.21	53.31
274	J-87	64.40	<None>	<Collection: 1 item>	3.753	189.21	54.00
277	J-88	62.30	<None>	<Collection: 1 item>	3.128	189.21	54.91
259	J-89	64.10	<None>	<Collection: 1 item>	3.753	189.21	54.13
262	J-90	65.80	<None>	<Collection: 1 item>	3.753	189.21	53.39
265	J-91	68.10	<None>	<Collection: 1 item>	3.753	189.21	52.40
197	J-92	57.60	<None>	<Collection: 0 items>	0.000	189.21	56.94
268	J-93	66.20	<None>	<Collection: 1 item>	3.753	189.21	53.22
191	J-94	65.70	<None>	<Collection: 1 item>	3.753	189.21	53.44
202	J-95	67.10	<None>	<Collection: 0 items>	0.000	189.21	52.83

MDF+FF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
401	P-1	20	J-1	T-1	7.98	PVC	140.0	False	0.000	-200.161	1.28	0.001	True	124
400	P-2	200	J-2	J-1	7.98	PVC	140.0	False	0.000	-200.161	1.28	0.001	False	0
396	P-3	1,086	J-3	J-2	7.98	PVC	140.0	False	0.000	-200.161	1.28	0.001	False	0
394	P-4	480	J-4	J-3	7.98	PVC	140.0	False	0.000	-200.161	1.28	0.001	False	0
402	P-5	926	J-5	J-4	7.98	PVC	140.0	False	0.000	-112.302	0.72	0.000	False	0
392	P-6	1,112	J-6	J-4	7.98	PVC	140.0	False	0.000	-87.859	0.56	0.000	False	0
371	P-7	403	J-6	J-12	7.98	PVC	140.0	False	0.000	50.936	0.33	0.000	False	0
338	P-8	144	J-13	J-12	7.98	PVC	140.0	False	0.000	-52.598	0.34	0.000	False	0
116	P-9	121	J-20	J-13	7.98	PVC	140.0	False	0.000	-52.598	0.34	0.000	False	0
370	P-10	680	J-7	J-6	7.98	PVC	140.0	False	0.000	-36.924	0.24	0.000	False	0
342	P-11	387	J-7	J-8	7.98	PVC	140.0	False	0.000	35.262	0.23	0.000	False	0
367	P-12	488	J-8	J-9	7.98	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
368	P-13	88	J-9	J-10	7.98	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
355	P-14	296	J-11	J-8	7.98	PVC	140.0	False	0.000	-35.262	0.23	0.000	False	0
33	P-15	121	J-11	J-27	7.98	PVC	140.0	False	0.390	35.262	0.23	0.000	False	0
340	P-16	845	J-12	J-7	4.23	PVC	140.0	False	0.000	-1.662	0.04	0.000	False	0
226	P-17	218	J-14	J-5	7.98	PVC	140.0	False	0.000	-55.214	0.35	0.000	False	0
151	P-18	55	J-15	J-14	7.98	PVC	140.0	False	0.000	-55.214	0.35	0.000	False	0
142	P-19	252	J-16	J-15	7.98	PVC	140.0	False	0.000	-22.190	0.14	0.000	False	0
120	P-20	192	J-17	J-16	7.98	PVC	140.0	False	0.000	6.276	0.04	0.000	False	0
221	P-21	178	J-18	J-17	7.98	PVC	140.0	False	0.000	8.778	0.06	0.000	False	0
224	P-22	140	J-19	J-18	7.98	PVC	140.0	False	0.000	11.280	0.07	0.000	False	0
223	P-23	140	J-20	J-19	7.98	PVC	140.0	False	0.000	13.782	0.09	0.000	False	0
114	P-24	220	J-21	J-20	7.98	PVC	140.0	False	0.000	-36.939	0.24	0.000	False	0
111	P-25	185	J-21	J-22	7.98	PVC	140.0	False	0.000	14.585	0.09	0.000	False	0
92	P-26	39	J-23	J-22	7.98	PVC	140.0	False	0.000	-14.585	0.09	0.000	False	0
75	P-27	259	J-24	J-23	7.98	PVC	140.0	False	0.000	5.647	0.04	0.000	False	0
47	P-28	187	J-25	J-24	7.98	PVC	140.0	False	0.000	25.254	0.16	0.000	False	0
45	P-29	99	J-26	J-25	7.98	PVC	140.0	False	0.000	27.756	0.18	0.000	False	0
41	P-30	11	J-27	J-26	7.98	PVC	140.0	False	0.000	27.756	0.18	0.000	False	0
37	P-31	162	J-27	J-28	7.98	PVC	140.0	False	0.000	5.004	0.03	0.000	False	0
39	P-32	217	J-28	J-29	7.98	PVC	140.0	False	0.000	3.128	0.02	0.000	False	0
229	P-33	151	J-5	J-30	7.98	PVC	140.0	False	0.000	53.960	0.35	0.000	False	0
232	P-34	129	J-30	J-31	7.98	PVC	140.0	False	0.000	51.458	0.33	0.000	False	0
233	P-35	131	J-31	J-32	7.98	PVC	140.0	False	0.000	48.956	0.31	0.000	False	0
155	P-36	118	J-32	J-33	7.98	PVC	140.0	False	0.000	46.454	0.30	0.000	False	0
156	P-37	260	J-33	J-34	12.00	PVC	140.0	False	0.000	14.557	0.04	0.000	False	0
146	P-38	51	J-34	J-38	12.00	PVC	140.0	False	0.000	33.820	0.10	0.000	False	0
147	P-39	209	J-38	J-39	12.00	PVC	140.0	False	0.000	33.820	0.10	0.000	False	0
128	P-40	277	J-39	J-43	12.00	PVC	140.0	False	0.000	49.776	0.14	0.000	False	0
131	P-41	11	J-43	J-44	12.00	PVC	140.0	False	0.000	5.362	0.02	0.000	False	0
211	P-42	129	J-44	J-45	12.00	PVC	140.0	False	0.000	5.362	0.02	0.000	False	0
212	P-43	270	J-45	J-46	12.00	PVC	140.0	False	0.000	2.235	0.01	0.000	False	0
100	P-44	209	J-52	J-46	12.00	PVC	140.0	False	0.000	-7.700	0.02	0.000	False	0

MDF+FF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
96	P-45	6	J-53	J-52	12.00	PVC	140.0	False	0.000	-7.699	0.02	0.000	False	0
90	P-46	268	J-53	J-59	12.00	PVC	140.0	False	0.000	8.541	0.02	0.000	False	0
65	P-47	234	J-59	J-65	12.00	PVC	140.0	False	0.000	11.259	0.03	0.000	False	0
67	P-48	133	J-65	J-66	12.00	PVC	140.0	False	0.000	8.757	0.02	0.000	False	0
71	P-49	257	J-66	J-67	12.00	PVC	140.0	False	0.000	5.004	0.01	0.000	False	0
73	P-50	148	J-67	J-68	12.00	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
325	P-51	184	J-35	J-34	7.98	PVC	140.0	False	0.000	23.016	0.15	0.000	False	0
328	P-52	130	J-36	J-35	7.98	PVC	140.0	False	0.000	25.518	0.16	0.000	False	0
331	P-53	131	J-37	J-36	7.98	PVC	140.0	False	0.000	28.020	0.18	0.000	False	0
330	P-54	117	J-15	J-37	7.98	PVC	140.0	False	0.000	30.522	0.20	0.000	False	0
217	P-55	183	J-16	J-42	7.98	PVC	140.0	False	0.000	25.964	0.17	0.000	False	0
218	P-56	65	J-42	J-41	7.98	PVC	140.0	False	0.000	23.462	0.15	0.000	False	0
214	P-57	126	J-41	J-40	7.98	PVC	140.0	False	0.000	23.462	0.15	0.000	False	0
215	P-58	188	J-40	J-39	7.98	PVC	140.0	False	0.000	19.709	0.13	0.000	False	0
102	P-59	164	J-46	J-47	7.98	PVC	140.0	False	0.000	-7.967	0.05	0.000	False	0
208	P-60	136	J-47	J-48	7.98	PVC	140.0	False	0.000	-10.469	0.07	0.000	False	0
209	P-61	119	J-48	J-49	7.98	PVC	140.0	False	0.000	-14.222	0.09	0.000	False	0
205	P-62	120	J-49	J-50	7.98	PVC	140.0	False	0.000	-14.222	0.09	0.000	False	0
206	P-63	119	J-50	J-51	7.98	PVC	140.0	False	0.000	-17.349	0.11	0.000	False	0
110	P-64	112	J-51	J-21	7.98	PVC	140.0	False	0.000	-19.851	0.13	0.000	False	0
77	P-65	116	J-23	J-58	7.98	PVC	140.0	False	0.000	17.730	0.11	0.000	False	0
79	P-66	121	J-58	J-57	7.98	PVC	140.0	False	0.000	15.228	0.10	0.000	False	0
81	P-67	119	J-57	J-56	7.98	PVC	140.0	False	0.000	12.726	0.08	0.000	False	0
85	P-68	122	J-56	J-55	7.98	PVC	140.0	False	0.000	10.224	0.07	0.000	False	0
87	P-69	122	J-55	J-54	7.98	PVC	140.0	False	0.000	7.722	0.05	0.000	False	0
89	P-70	178	J-54	J-53	7.98	PVC	140.0	False	0.000	3.969	0.03	0.000	False	0
63	P-71	187	J-60	J-59	7.98	PVC	140.0	False	0.000	6.471	0.04	0.000	False	0
61	P-72	156	J-61	J-60	7.98	PVC	140.0	False	0.000	9.599	0.06	0.000	False	0
59	P-73	75	J-62	J-61	7.98	PVC	140.0	False	0.000	12.101	0.08	0.000	False	0
55	P-74	64	J-63	J-62	7.98	PVC	140.0	False	0.000	12.101	0.08	0.000	False	0
51	P-75	176	J-64	J-63	7.98	PVC	140.0	False	0.000	15.228	0.10	0.000	False	0
49	P-76	112	J-24	J-64	7.98	PVC	140.0	False	0.000	17.730	0.11	0.000	False	0
162	P-77	211	J-33	J-69	7.98	PVC	140.0	False	0.000	28.770	0.18	0.000	False	0
238	P-78	223	J-69	J-70	7.98	PVC	140.0	False	0.000	7.979	0.05	0.000	False	0
239	P-79	178	J-70	J-71	7.98	PVC	140.0	False	0.000	4.851	0.03	0.000	False	0
236	P-80	158	J-71	J-72	7.98	PVC	140.0	False	0.000	1.098	0.01	0.000	False	0
166	P-81	242	J-72	J-73	7.98	PVC	140.0	False	0.000	-2.029	0.01	0.000	False	0
167	P-82	223	J-73	J-43	12.00	PVC	140.0	False	0.000	-41.286	0.12	0.000	False	0
171	P-83	78	J-69	J-74	7.98	PVC	140.0	False	0.000	20.791	0.13	0.000	False	0
241	P-84	134	J-74	J-75	7.98	PVC	140.0	False	0.000	17.664	0.11	0.000	False	0
245	P-85	131	J-75	J-76	7.98	PVC	140.0	False	0.000	15.162	0.10	0.000	False	0
248	P-86	158	J-76	J-77	7.98	PVC	140.0	False	0.000	12.660	0.08	0.000	False	0
249	P-87	252	J-77	J-78	7.98	PVC	140.0	False	0.000	8.907	0.06	0.000	False	0
175	P-88	4	J-78	J-79	7.98	PVC	140.0	False	0.000	8.907	0.06	0.000	False	0

MDF+FF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
251	P-89	218	J-79	J-80	7.98	PVC	140.0	False	0.000	0.487	0.00	0.000	False	0
254	P-90	184	J-80	J-81	7.98	PVC	140.0	False	0.000	-2.640	0.02	0.000	False	0
255	P-91	93	J-81	J-82	7.98	PVC	140.0	False	0.000	-6.393	0.04	0.000	False	0
257	P-92	88	J-82	J-83	7.98	PVC	140.0	False	0.000	-6.393	0.04	0.000	False	0
258	P-93	214	J-83	J-84	7.98	PVC	140.0	False	0.000	-9.521	0.06	0.000	False	0
272	P-94	187	J-84	J-85	12.00	PVC	140.0	False	0.000	-26.121	0.07	0.000	False	0
273	P-95	91	J-85	J-86	12.00	PVC	140.0	False	0.000	-29.249	0.08	0.000	False	0
275	P-96	107	J-86	J-87	12.00	PVC	140.0	False	0.000	-29.249	0.08	0.000	False	0
278	P-97	171	J-87	J-88	12.00	PVC	140.0	False	0.000	-33.002	0.09	0.000	False	0
279	P-98	188	J-88	J-73	12.00	PVC	140.0	False	0.000	-36.129	0.10	0.000	False	0
261	P-99	241	J-89	J-79	7.98	PVC	140.0	False	0.000	-5.292	0.03	0.000	False	0
264	P-100	175	J-90	J-89	7.98	PVC	140.0	False	0.000	-1.539	0.01	0.000	False	0
267	P-101	221	J-91	J-90	7.98	PVC	140.0	False	0.000	2.214	0.01	0.000	False	0
266	P-102	89	J-92	J-91	7.98	PVC	140.0	False	0.000	5.967	0.04	0.000	False	0
270	P-103	94	J-93	J-92	7.98	PVC	140.0	False	0.000	5.967	0.04	0.000	False	0
280	P-104	216	J-93	J-94	7.98	PVC	140.0	False	0.000	-9.720	0.06	0.000	False	0
192	P-105	277	J-84	J-94	12.00	PVC	140.0	False	0.000	13.473	0.04	0.000	False	0
203	P-106	149	J-94	J-95	12.00	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
43	P-1000	86	J-26	FH-01	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
57	P-2000	108	J-62	FH-02	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
69	P-3000	106	J-66	FH-03	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
94	P-4000	93	J-22	FH-04	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
83	P-5000	76	J-56	FH-05	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
98	P-6000	79	J-52	FH-06	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
106	P-7000	75	J-49	FH-07	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
140	P-8000	74	J-44	FH-08	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
138	P-9000	98	J-17	FH-09	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
124	P-10000	109	J-41	FH-10	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
149	P-11000	78	J-38	FH-11	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
158	P-12000	116	J-14	FH-12	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
160	P-13000	96	J-32	FH-13	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
169	P-14000	74	J-72	FH-14	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
184	P-15000	106	J-74	FH-15	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
186	P-16000	119	J-86	FH-16	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
188	P-17000	104	J-82	FH-17	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
190	P-18000	104	J-78	FH-18	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
201	P-19000	93	J-92	FH-19	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6

MDF+FF Scenario

Fire Flow Report - Time: 0.00 hours

Label	Fire Flow Iterations	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (System Lower Limit) (psi)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
FH-09	5	<None>	True	0.000	1,184.911	1,000.000	1,184.911	0.00	20.28	0.00	20.00	FH-16	0.00	20.00	FH-16	True
FH-03	20	<None>	True	0.000	1,179.649	1,000.000	1,179.649	0.00	20.07	0.00	20.02	FH-16	0.00	20.02	FH-16	True
FH-02	3	<None>	True	0.000	1,178.238	1,000.000	1,178.238	0.00	20.01	0.00	20.18	FH-16	0.00	20.18	FH-16	True
FH-01	3	<None>	True	0.000	1,177.294	1,000.000	1,177.294	0.00	20.01	0.00	20.48	FH-16	0.00	20.48	FH-16	True
FH-12	3	<None>	True	0.000	1,174.845	1,000.000	1,174.845	0.00	20.01	0.00	20.55	FH-16	0.00	20.55	FH-16	True
FH-05	3	<None>	True	0.000	1,174.229	1,000.000	1,174.229	0.00	20.01	0.00	20.32	FH-16	0.00	20.32	FH-16	True
FH-06	3	<None>	True	0.000	1,170.011	1,000.000	1,170.011	0.00	20.01	0.00	20.41	FH-16	0.00	20.41	FH-16	True
FH-08	3	<None>	True	0.000	1,169.896	1,000.000	1,169.896	0.00	20.01	0.00	20.27	FH-16	0.00	20.27	FH-16	True
FH-07	3	<None>	True	0.000	1,163.938	1,000.000	1,163.938	0.00	20.00	0.00	20.74	FH-16	0.00	20.74	FH-16	True
FH-10	3	<None>	True	0.000	1,153.104	1,000.000	1,153.104	0.00	20.00	0.00	21.26	FH-16	0.00	21.26	FH-16	True
FH-04	3	<None>	True	0.000	1,152.547	1,000.000	1,152.547	0.00	20.00	0.00	21.27	FH-16	0.00	21.27	FH-16	True
FH-19	3	<None>	True	0.000	1,129.751	1,000.000	1,129.751	0.00	20.00	0.00	21.43	FH-16	0.00	21.43	FH-16	True
FH-15	3	<None>	True	0.000	1,116.653	1,000.000	1,116.653	0.00	20.00	0.00	22.39	FH-16	0.00	22.39	FH-16	True
FH-13	3	<None>	True	0.000	1,116.580	1,000.000	1,116.580	0.00	20.00	0.00	22.78	FH-16	0.00	22.78	FH-16	True
FH-11	3	<None>	True	0.000	1,113.073	1,000.000	1,113.073	0.00	20.00	0.00	22.76	FH-16	0.00	22.76	FH-16	True
FH-14	3	<None>	True	0.000	1,099.897	1,000.000	1,099.897	0.00	20.00	0.00	23.02	FH-16	0.00	23.02	FH-16	True
FH-16	3	<None>	True	0.000	1,087.591	1,000.000	1,087.591	0.00	20.00	0.00	23.44	FH-17	0.00	23.44	FH-17	True
FH-18	3	<None>	True	0.000	1,085.985	1,000.000	1,085.985	0.00	20.00	0.00	23.15	FH-17	0.00	23.15	FH-17	True
FH-17	3	<None>	True	0.000	1,068.505	1,000.000	1,068.505	0.00	20.00	0.00	23.98	FH-16	0.00	23.98	FH-16	True

4. PROPOSED POTABLE WATER SYSTEM

B. HYDRAULIC MODEL

4. PHF SCENARIO

PHF Scenario

Tank Table - Time: 0.00 hours

ID	Label	Zone	Elevation (Base) (ft)	Elevation (Minimum) (ft)	Elevation (Initial) (ft)	Elevation (Maximum) (ft)	Volume (Inactive) (MG)	Diameter (ft)	Flow (Out net) (gpm)	Hydraulic Grade (ft)
397	T-1	<None>	0.00	191.10	191.20	215.00	0.00	36.00	400.322	191.20

PHF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
42	FH-01	59.80	<None>	<Collection: 0 items>	0.000	184.01	53.74
56	FH-02	60.10	<None>	<Collection: 0 items>	0.000	183.97	53.59
68	FH-03	60.70	<None>	<Collection: 0 items>	0.000	183.97	53.33
93	FH-04	66.80	<None>	<Collection: 0 items>	0.000	183.98	50.70
82	FH-05	60.70	<None>	<Collection: 0 items>	0.000	183.97	53.33
97	FH-06	63.80	<None>	<Collection: 0 items>	0.000	183.97	51.99
105	FH-07	62.30	<None>	<Collection: 0 items>	0.000	183.98	52.64
139	FH-08	64.30	<None>	<Collection: 0 items>	0.000	183.97	51.78
137	FH-09	60.20	<None>	<Collection: 0 items>	0.000	184.02	53.57
123	FH-10	64.60	<None>	<Collection: 0 items>	0.000	184.00	51.66
148	FH-11	70.70	<None>	<Collection: 0 items>	0.000	183.98	49.01
157	FH-12	63.70	<None>	<Collection: 0 items>	0.000	184.05	52.07
159	FH-13	69.80	<None>	<Collection: 0 items>	0.000	184.01	49.41
168	FH-14	69.30	<None>	<Collection: 0 items>	0.000	183.96	49.61
183	FH-15	68.10	<None>	<Collection: 0 items>	0.000	183.96	50.13
185	FH-16	72.00	<None>	<Collection: 0 items>	0.000	183.96	48.44
187	FH-17	71.30	<None>	<Collection: 0 items>	0.000	183.95	48.74
189	FH-18	70.10	<None>	<Collection: 0 items>	0.000	183.95	49.26
200	FH-19	63.60	<None>	<Collection: 0 items>	0.000	183.95	52.07
399	J-1	66.00	<None>	<Collection: 0 items>	0.000	190.71	53.96
395	J-2	66.00	<None>	<Collection: 0 items>	0.000	190.04	53.67
393	J-3	68.00	<None>	<Collection: 0 items>	0.000	186.66	51.34
391	J-4	53.00	<None>	<Collection: 0 items>	0.000	185.15	57.18
225	J-5	56.10	<None>	<Collection: 1 item>	6.255	184.11	55.39
369	J-6	61.00	<None>	<Collection: 0 items>	0.000	184.21	53.31
339	J-7	57.00	<None>	<Collection: 0 items>	0.000	184.12	55.00
341	J-8	62.00	<None>	<Collection: 0 items>	0.000	184.07	52.81
366	J-9	57.00	<None>	<Collection: 0 items>	0.000	184.07	54.98
343	J-10	57.00	<None>	<Collection: 0 items>	0.000	184.07	54.98
31	J-11	56.70	<None>	<Collection: 0 items>	0.000	184.03	55.09
337	J-12	56.00	<None>	<Collection: 0 items>	0.000	184.11	55.43
115	J-13	55.50	<None>	<Collection: 0 items>	0.000	184.06	55.62
150	J-14	57.70	<None>	<Collection: 0 items>	0.000	184.05	54.66
141	J-15	57.60	<None>	<Collection: 1 item>	5.004	184.03	54.70
119	J-16	55.80	<None>	<Collection: 1 item>	5.004	184.01	55.47
117	J-17	54.20	<None>	<Collection: 1 item>	5.004	184.02	56.17
219	J-18	54.00	<None>	<Collection: 1 item>	5.004	184.02	56.25
222	J-19	55.60	<None>	<Collection: 1 item>	5.004	184.02	55.56
113	J-20	57.40	<None>	<Collection: 1 item>	3.753	184.02	54.78
109	J-21	60.00	<None>	<Collection: 1 item>	5.004	183.99	53.64
91	J-22	60.80	<None>	<Collection: 0 items>	0.000	183.98	53.30
74	J-23	60.10	<None>	<Collection: 1 item>	5.004	183.98	53.60
46	J-24	57.10	<None>	<Collection: 1 item>	3.753	183.98	54.90
44	J-25	55.00	<None>	<Collection: 1 item>	5.004	184.00	55.81
40	J-26	53.80	<None>	<Collection: 0 items>	0.000	184.01	56.33
32	J-27	53.70	<None>	<Collection: 1 item>	5.004	184.01	56.38

PHF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
36	J-28	52.10	<None>	<Collection: 1 item>	3.753	184.01	57.07
38	J-29	53.20	<None>	<Collection: 1 item>	6.255	184.01	56.59
228	J-30	58.60	<None>	<Collection: 1 item>	5.004	184.07	54.29
231	J-31	61.20	<None>	<Collection: 1 item>	5.004	184.04	53.15
152	J-32	63.80	<None>	<Collection: 1 item>	5.004	184.01	52.01
154	J-33	65.00	<None>	<Collection: 1 item>	6.255	183.99	51.48
143	J-34	64.90	<None>	<Collection: 1 item>	7.506	183.98	51.52
323	J-35	61.90	<None>	<Collection: 1 item>	5.004	184.00	52.83
326	J-36	59.60	<None>	<Collection: 1 item>	5.004	184.01	53.82
329	J-37	57.30	<None>	<Collection: 1 item>	5.004	184.02	54.82
145	J-38	64.70	<None>	<Collection: 0 items>	0.000	183.98	51.61
125	J-39	62.00	<None>	<Collection: 1 item>	7.506	183.98	52.78
213	J-40	60.00	<None>	<Collection: 1 item>	7.506	183.99	53.64
121	J-41	58.60	<None>	<Collection: 0 items>	0.000	184.00	54.25
216	J-42	58.00	<None>	<Collection: 1 item>	5.004	184.00	54.51
127	J-43	58.40	<None>	<Collection: 1 item>	6.255	183.97	54.33
130	J-44	58.30	<None>	<Collection: 0 items>	0.000	183.97	54.37
210	J-45	56.60	<None>	<Collection: 1 item>	6.255	183.97	55.11
99	J-46	57.40	<None>	<Collection: 1 item>	5.004	183.97	54.76
101	J-47	57.30	<None>	<Collection: 1 item>	5.004	183.97	54.80
207	J-48	55.50	<None>	<Collection: 1 item>	7.506	183.97	55.58
103	J-49	56.30	<None>	<Collection: 0 items>	0.000	183.98	55.24
204	J-50	57.50	<None>	<Collection: 1 item>	6.255	183.98	54.72
107	J-51	58.80	<None>	<Collection: 1 item>	5.004	183.98	54.16
95	J-52	57.80	<None>	<Collection: 0 items>	0.000	183.97	54.59
88	J-53	57.50	<None>	<Collection: 1 item>	6.255	183.97	54.72
86	J-54	54.80	<None>	<Collection: 1 item>	7.506	183.97	55.89
84	J-55	53.30	<None>	<Collection: 1 item>	5.004	183.97	56.54
80	J-56	54.70	<None>	<Collection: 1 item>	5.004	183.97	55.93
78	J-57	56.60	<None>	<Collection: 1 item>	5.004	183.97	55.11
76	J-58	58.40	<None>	<Collection: 1 item>	5.004	183.98	54.33
62	J-59	54.10	<None>	<Collection: 1 item>	7.506	183.97	56.19
60	J-60	51.80	<None>	<Collection: 1 item>	6.255	183.97	57.18
58	J-61	50.20	<None>	<Collection: 1 item>	5.004	183.97	57.88
54	J-62	54.10	<None>	<Collection: 0 items>	0.000	183.97	56.19
50	J-63	52.20	<None>	<Collection: 1 item>	6.255	183.97	57.01
48	J-64	55.30	<None>	<Collection: 1 item>	5.004	183.98	55.67
64	J-65	53.30	<None>	<Collection: 1 item>	5.004	183.97	56.53
66	J-66	54.70	<None>	<Collection: 1 item>	7.506	183.97	55.93
70	J-67	57.40	<None>	<Collection: 1 item>	10.008	183.97	54.76
72	J-68	59.10	<None>	<Collection: 0 items>	0.000	183.97	54.02
161	J-69	62.90	<None>	<Collection: 0 items>	0.000	183.97	52.38
237	J-70	62.60	<None>	<Collection: 1 item>	6.255	183.96	52.51
234	J-71	62.20	<None>	<Collection: 1 item>	7.506	183.96	52.68
163	J-72	63.30	<None>	<Collection: 1 item>	6.255	183.96	52.21
165	J-73	61.60	<None>	<Collection: 1 item>	6.255	183.96	52.94

PHF Scenario

Junction Table - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
170	J-74	62.10	<None>	<Collection: 1 item>	6.255	183.96	52.72
240	J-75	63.20	<None>	<Collection: 1 item>	5.004	183.96	52.25
244	J-76	62.80	<None>	<Collection: 1 item>	5.004	183.95	52.42
247	J-77	61.60	<None>	<Collection: 1 item>	7.506	183.95	52.94
172	J-78	64.10	<None>	<Collection: 0 items>	0.000	183.95	51.85
174	J-79	64.10	<None>	<Collection: 1 item>	6.255	183.95	51.85
250	J-80	63.30	<None>	<Collection: 1 item>	6.255	183.95	52.20
253	J-81	65.50	<None>	<Collection: 1 item>	7.506	183.95	51.25
176	J-82	65.30	<None>	<Collection: 0 items>	0.000	183.95	51.33
256	J-83	64.40	<None>	<Collection: 1 item>	6.255	183.95	51.72
178	J-84	65.70	<None>	<Collection: 1 item>	6.255	183.95	51.16
271	J-85	65.30	<None>	<Collection: 1 item>	6.255	183.95	51.34
180	J-86	66.00	<None>	<Collection: 0 items>	0.000	183.96	51.03
274	J-87	64.40	<None>	<Collection: 1 item>	7.506	183.96	51.73
277	J-88	62.30	<None>	<Collection: 1 item>	6.255	183.96	52.64
259	J-89	64.10	<None>	<Collection: 1 item>	7.506	183.95	51.85
262	J-90	65.80	<None>	<Collection: 1 item>	7.506	183.95	51.12
265	J-91	68.10	<None>	<Collection: 1 item>	7.506	183.95	50.12
197	J-92	57.60	<None>	<Collection: 0 items>	0.000	183.95	54.67
268	J-93	66.20	<None>	<Collection: 1 item>	7.506	183.95	50.94
191	J-94	65.70	<None>	<Collection: 1 item>	7.506	183.95	51.16
202	J-95	67.10	<None>	<Collection: 0 items>	0.000	183.95	50.56

PHF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
401	P-1	20	J-1	T-1	7.98	PVC	140.0	False	0.000	-400.322	2.57	0.004	True	124
400	P-2	200	J-2	J-1	7.98	PVC	140.0	False	0.000	-400.322	2.57	0.003	False	0
396	P-3	1,086	J-3	J-2	7.98	PVC	140.0	False	0.000	-400.322	2.57	0.003	False	0
394	P-4	480	J-4	J-3	7.98	PVC	140.0	False	0.000	-400.322	2.57	0.003	False	0
402	P-5	926	J-5	J-4	7.98	PVC	140.0	False	0.000	-225.294	1.45	0.001	False	0
392	P-6	1,112	J-6	J-4	7.98	PVC	140.0	False	0.000	-175.029	1.12	0.001	False	0
371	P-7	403	J-6	J-12	7.98	PVC	140.0	False	0.000	101.387	0.65	0.000	False	0
338	P-8	144	J-13	J-12	7.98	PVC	140.0	False	0.000	-104.633	0.67	0.000	False	0
116	P-9	121	J-20	J-13	7.98	PVC	140.0	False	0.000	-104.633	0.67	0.000	False	0
370	P-10	680	J-7	J-6	7.98	PVC	140.0	False	0.000	-73.642	0.47	0.000	False	0
342	P-11	387	J-7	J-8	7.98	PVC	140.0	False	0.000	70.396	0.45	0.000	False	0
367	P-12	488	J-8	J-9	7.98	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
368	P-13	88	J-9	J-10	7.98	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
355	P-14	296	J-11	J-8	7.98	PVC	140.0	False	0.000	-70.395	0.45	0.000	False	0
33	P-15	121	J-11	J-27	7.98	PVC	140.0	False	0.390	70.395	0.45	0.000	False	0
340	P-16	845	J-12	J-7	4.23	PVC	140.0	False	0.000	-3.246	0.07	0.000	False	0
226	P-17	218	J-14	J-5	7.98	PVC	140.0	False	0.000	-110.600	0.71	0.000	False	0
151	P-18	55	J-15	J-14	7.98	PVC	140.0	False	0.000	-110.600	0.71	0.000	False	0
142	P-19	252	J-16	J-15	7.98	PVC	140.0	False	0.000	-44.576	0.29	0.000	False	0
120	P-20	192	J-17	J-16	7.98	PVC	140.0	False	0.000	12.275	0.08	0.000	False	0
221	P-21	178	J-18	J-17	7.98	PVC	140.0	False	0.000	17.279	0.11	0.000	False	0
224	P-22	140	J-19	J-18	7.98	PVC	140.0	False	0.000	22.283	0.14	0.000	False	0
223	P-23	140	J-20	J-19	7.98	PVC	140.0	False	0.000	27.287	0.18	0.000	False	0
114	P-24	220	J-21	J-20	7.98	PVC	140.0	False	0.000	-73.593	0.47	0.000	False	0
111	P-25	185	J-21	J-22	7.98	PVC	140.0	False	0.000	29.046	0.19	0.000	False	0
92	P-26	39	J-23	J-22	7.98	PVC	140.0	False	0.000	-29.046	0.19	0.000	False	0
75	P-27	259	J-24	J-23	7.98	PVC	140.0	False	0.000	11.287	0.07	0.000	False	0
47	P-28	187	J-25	J-24	7.98	PVC	140.0	False	0.000	50.379	0.32	0.000	False	0
45	P-29	99	J-26	J-25	7.98	PVC	140.0	False	0.000	55.383	0.36	0.000	False	0
41	P-30	11	J-27	J-26	7.98	PVC	140.0	False	0.000	55.383	0.36	0.000	False	0
37	P-31	162	J-27	J-28	7.98	PVC	140.0	False	0.000	10.008	0.06	0.000	False	0
39	P-32	217	J-28	J-29	7.98	PVC	140.0	False	0.000	6.255	0.04	0.000	False	0
229	P-33	151	J-5	J-30	7.98	PVC	140.0	False	0.000	108.438	0.70	0.000	False	0
232	P-34	129	J-30	J-31	7.98	PVC	140.0	False	0.000	103.434	0.66	0.000	False	0
233	P-35	131	J-31	J-32	7.98	PVC	140.0	False	0.000	98.430	0.63	0.000	False	0
155	P-36	118	J-32	J-33	7.98	PVC	140.0	False	0.000	93.426	0.60	0.000	False	0
156	P-37	260	J-33	J-34	12.00	PVC	140.0	False	0.000	29.416	0.08	0.000	False	0
146	P-38	51	J-34	J-38	12.00	PVC	140.0	False	0.000	67.919	0.19	0.000	False	0
147	P-39	209	J-38	J-39	12.00	PVC	140.0	False	0.000	67.919	0.19	0.000	False	0
128	P-40	277	J-39	J-43	12.00	PVC	140.0	False	0.000	99.749	0.28	0.000	False	0
131	P-41	11	J-43	J-44	12.00	PVC	140.0	False	0.000	11.136	0.03	0.000	False	0
211	P-42	129	J-44	J-45	12.00	PVC	140.0	False	0.000	11.136	0.03	0.000	False	0
212	P-43	270	J-45	J-46	12.00	PVC	140.0	False	0.000	4.881	0.01	0.000	False	0
100	P-44	209	J-52	J-46	12.00	PVC	140.0	False	0.000	-15.651	0.04	0.000	False	0

PHF Scenario

Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
96	P-45	6	J-53	J-52	12.00	PVC	140.0	False	0.000	-15.651	0.04	0.000	False	0
90	P-46	268	J-53	J-59	12.00	PVC	140.0	False	0.000	17.203	0.05	0.000	False	0
65	P-47	234	J-59	J-65	12.00	PVC	140.0	False	0.000	22.518	0.06	0.000	False	0
67	P-48	133	J-65	J-66	12.00	PVC	140.0	False	0.000	17.514	0.05	0.000	False	0
71	P-49	257	J-66	J-67	12.00	PVC	140.0	False	0.000	10.008	0.03	0.000	False	0
73	P-50	148	J-67	J-68	12.00	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
325	P-51	184	J-35	J-34	7.98	PVC	140.0	False	0.000	46.009	0.30	0.000	False	0
328	P-52	130	J-36	J-35	7.98	PVC	140.0	False	0.000	51.013	0.33	0.000	False	0
331	P-53	131	J-37	J-36	7.98	PVC	140.0	False	0.000	56.017	0.36	0.000	False	0
330	P-54	117	J-15	J-37	7.98	PVC	140.0	False	0.000	61.021	0.39	0.000	False	0
217	P-55	183	J-16	J-42	7.98	PVC	140.0	False	0.000	51.846	0.33	0.000	False	0
218	P-56	65	J-42	J-41	7.98	PVC	140.0	False	0.000	46.842	0.30	0.000	False	0
214	P-57	126	J-41	J-40	7.98	PVC	140.0	False	0.000	46.842	0.30	0.000	False	0
215	P-58	188	J-40	J-39	7.98	PVC	140.0	False	0.000	39.336	0.25	0.000	False	0
102	P-59	164	J-46	J-47	7.98	PVC	140.0	False	0.000	-15.774	0.10	0.000	False	0
208	P-60	136	J-47	J-48	7.98	PVC	140.0	False	0.000	-20.778	0.13	0.000	False	0
209	P-61	119	J-48	J-49	7.98	PVC	140.0	False	0.000	-28.284	0.18	0.000	False	0
205	P-62	120	J-49	J-50	7.98	PVC	140.0	False	0.000	-28.284	0.18	0.000	False	0
206	P-63	119	J-50	J-51	7.98	PVC	140.0	False	0.000	-34.539	0.22	0.000	False	0
110	P-64	112	J-51	J-21	7.98	PVC	140.0	False	0.000	-39.543	0.25	0.000	False	0
77	P-65	116	J-23	J-58	7.98	PVC	140.0	False	0.000	35.329	0.23	0.000	False	0
79	P-66	121	J-58	J-57	7.98	PVC	140.0	False	0.000	30.325	0.19	0.000	False	0
81	P-67	119	J-57	J-56	7.98	PVC	140.0	False	0.000	25.321	0.16	0.000	False	0
85	P-68	122	J-56	J-55	7.98	PVC	140.0	False	0.000	20.317	0.13	0.000	False	0
87	P-69	122	J-55	J-54	7.98	PVC	140.0	False	0.000	15.313	0.10	0.000	False	0
89	P-70	178	J-54	J-53	7.98	PVC	140.0	False	0.000	7.807	0.05	0.000	False	0
63	P-71	187	J-60	J-59	7.98	PVC	140.0	False	0.000	12.821	0.08	0.000	False	0
61	P-72	156	J-61	J-60	7.98	PVC	140.0	False	0.000	19.076	0.12	0.000	False	0
59	P-73	75	J-62	J-61	7.98	PVC	140.0	False	0.000	24.080	0.15	0.000	False	0
55	P-74	64	J-63	J-62	7.98	PVC	140.0	False	0.000	24.080	0.15	0.000	False	0
51	P-75	176	J-64	J-63	7.98	PVC	140.0	False	0.000	30.335	0.19	0.000	False	0
49	P-76	112	J-24	J-64	7.98	PVC	140.0	False	0.000	35.339	0.23	0.000	False	0
162	P-77	211	J-33	J-69	7.98	PVC	140.0	False	0.000	57.755	0.37	0.000	False	0
238	P-78	223	J-69	J-70	7.98	PVC	140.0	False	0.000	16.062	0.10	0.000	False	0
239	P-79	178	J-70	J-71	7.98	PVC	140.0	False	0.000	9.807	0.06	0.000	False	0
236	P-80	158	J-71	J-72	7.98	PVC	140.0	False	0.000	2.301	0.01	0.000	False	0
166	P-81	242	J-72	J-73	7.98	PVC	140.0	False	0.000	-3.954	0.03	0.000	False	0
167	P-82	223	J-73	J-43	12.00	PVC	140.0	False	0.000	-82.358	0.23	0.000	False	0
171	P-83	78	J-69	J-74	7.98	PVC	140.0	False	0.000	41.693	0.27	0.000	False	0
241	P-84	134	J-74	J-75	7.98	PVC	140.0	False	0.000	35.438	0.23	0.000	False	0
245	P-85	131	J-75	J-76	7.98	PVC	140.0	False	0.000	30.434	0.20	0.000	False	0
248	P-86	158	J-76	J-77	7.98	PVC	140.0	False	0.000	25.430	0.16	0.000	False	0
249	P-87	252	J-77	J-78	7.98	PVC	140.0	False	0.000	17.924	0.11	0.000	False	0
175	P-88	4	J-78	J-79	7.98	PVC	140.0	False	0.000	17.923	0.11	0.000	False	0

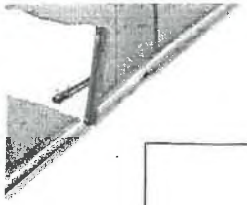
PHF Scenario

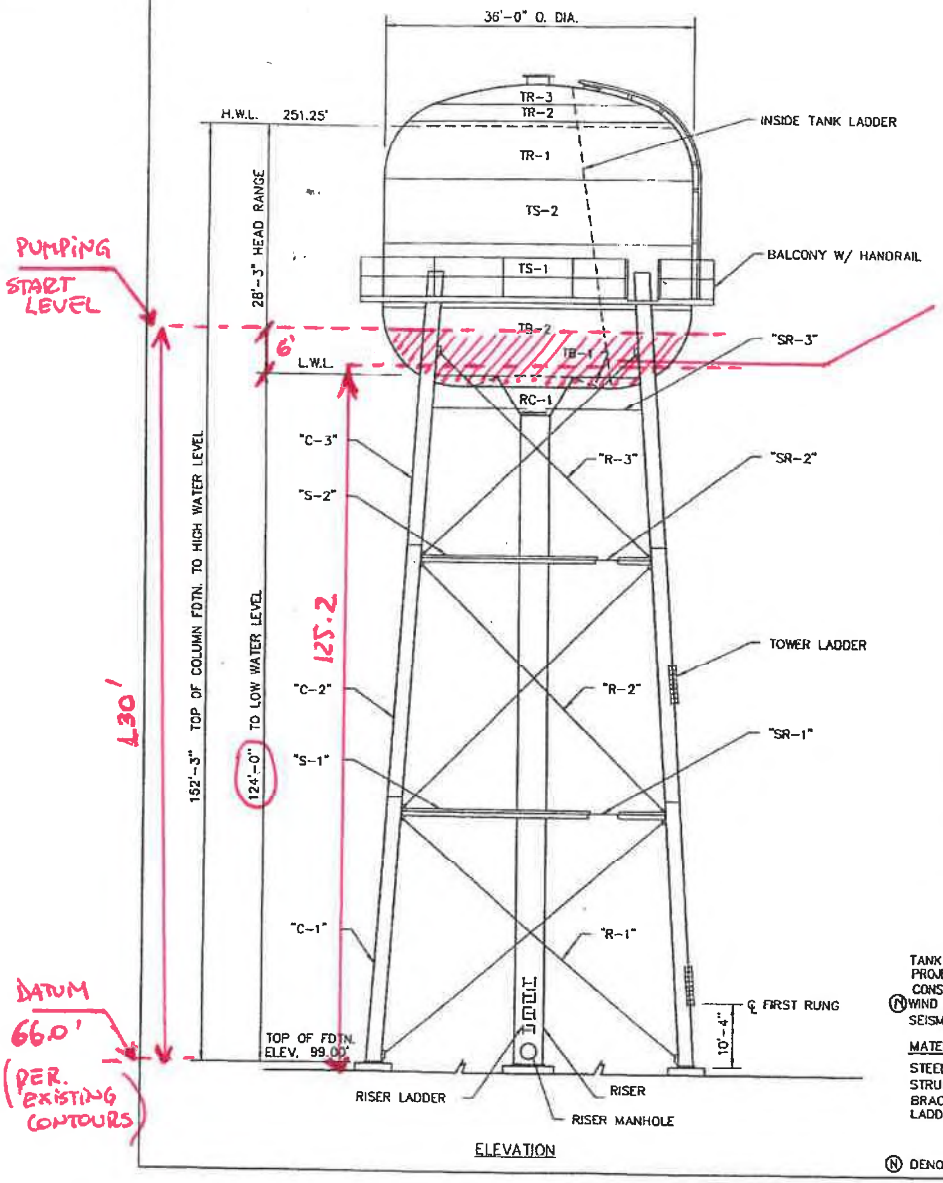
Pipe Table - Time: 0.00 hours

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
251	P-89	218	J-79	J-80	7.98	PVC	140.0	False	0.000	1.027	0.01	0.000	False	0
254	P-90	184	J-80	J-81	7.98	PVC	140.0	False	0.000	-5.228	0.03	0.000	False	0
255	P-91	93	J-81	J-82	7.98	PVC	140.0	False	0.000	-12.734	0.08	0.000	False	0
257	P-92	88	J-82	J-83	7.98	PVC	140.0	False	0.000	-12.734	0.08	0.000	False	0
258	P-93	214	J-83	J-84	7.98	PVC	140.0	False	0.000	-18.989	0.12	0.000	False	0
272	P-94	187	J-84	J-85	12.00	PVC	140.0	False	0.000	-52.133	0.15	0.000	False	0
273	P-95	91	J-85	J-86	12.00	PVC	140.0	False	0.000	-58.388	0.17	0.000	False	0
275	P-96	107	J-86	J-87	12.00	PVC	140.0	False	0.000	-58.388	0.17	0.000	False	0
278	P-97	171	J-87	J-88	12.00	PVC	140.0	False	0.000	-65.894	0.19	0.000	False	0
279	P-98	188	J-88	J-73	12.00	PVC	140.0	False	0.000	-72.149	0.20	0.000	False	0
261	P-99	241	J-89	J-79	7.98	PVC	140.0	False	0.000	-10.642	0.07	0.000	False	0
264	P-100	175	J-90	J-89	7.98	PVC	140.0	False	0.000	-3.136	0.02	0.000	False	0
267	P-101	221	J-91	J-90	7.98	PVC	140.0	False	0.000	4.370	0.03	0.000	False	0
266	P-102	89	J-92	J-91	7.98	PVC	140.0	False	0.000	11.876	0.08	0.000	False	0
270	P-103	94	J-93	J-92	7.98	PVC	140.0	False	0.000	11.876	0.08	0.000	False	0
280	P-104	216	J-93	J-94	7.98	PVC	140.0	False	0.000	-19.382	0.12	0.000	False	0
192	P-105	277	J-84	J-94	12.00	PVC	140.0	False	0.000	26.888	0.08	0.000	False	0
203	P-106	149	J-94	J-95	12.00	PVC	140.0	False	0.000	0.000	0.00	0.000	False	0
43	P-1000	86	J-26	FH-01	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
57	P-2000	108	J-62	FH-02	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
69	P-3000	106	J-66	FH-03	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
94	P-4000	93	J-22	FH-04	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
83	P-5000	76	J-56	FH-05	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
98	P-6000	79	J-52	FH-06	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
106	P-7000	75	J-49	FH-07	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
140	P-8000	74	J-44	FH-08	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
138	P-9000	98	J-17	FH-09	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
124	P-10000	109	J-41	FH-10	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
149	P-11000	78	J-38	FH-11	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
158	P-12000	116	J-14	FH-12	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
160	P-13000	96	J-32	FH-13	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
169	P-14000	74	J-72	FH-14	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
184	P-15000	106	J-74	FH-15	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
186	P-16000	119	J-86	FH-16	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
188	P-17000	104	J-82	FH-17	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
190	P-18000	104	J-78	FH-18	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6
201	P-19000	93	J-92	FH-19	6.22	Ductile Iron	130.0	False	0.000	0.000	0.00	0.000	True	6

5. APPENDIX

WATER TOWER INFORMATION





ELEVATION

MATERIAL

CONTAINER:

TR-3	1/4"
TR-2	1/4"
TR-1	1/4"
TS-2	1/4"
TS-1	1/4"
TB-2	1/4"
TB-1	1/4"
TENSION RING	1 1/2"
RISER CONE	9/32"
COMPRESSION RING	1 1/2"
RISER	48" O.D. x 9/32"

TOWER:

COLUMNS

C-3	20" O.D. x .390"
C-2	20" O.D. x .435"
C-1	20" O.D. x .394"

STRUTS

S-2:	C 7" x 9.8#
	C 6" x 8.2#
S-1:	C 8" x 11.5#
	C 7" x 9.8#

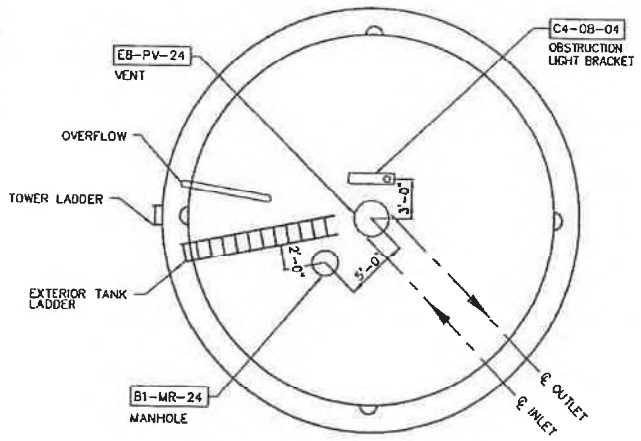
BRACE RODS

R-3:	1 1/4" DIA.
R-2:	1 3/8" DIA.
R-1:	1 3/8" DIA.

STAY RODS

SR-3:	1 1/4" DIA.
SR-2:	1" DIA.
SR-1:	1" DIA.

NORTH



ORIENTATION

PAINTING PROCEDURES
PAINT MANUFACTURED BY SHERWIN-WILLIAMS COMPANY, INC.

SHOP PAINT

INTERIOR: BLAST CLEAN SSPC-10 (SURFACE AREA = 6200 SQ. FT.)
PAINT ONE PRIME COAT HI-SOLIDS CATALYZED EPOXY BEIGE (B62H200/B60V20)
3.0 MILS MINIMUM DRY FILM THICKNESS (MIN. DFT)

EXTERIOR: BLAST CLEAN SSPC-SP6 (SURFACE AREA = 12000 SQ. FT.)
PAINT ONE PRIME COAT HI-SOLIDS CATALYZED EPOXY BEIGE (B62H200/B60V20)
3.0 MILS MIN. DFT.

FIELD PAINT

INTERIOR: BLAST CLEAN SSPC-SP10 ALL SEAMS AND ABRADED AREAS
APPLY ONE PATCH PRIME COAT SAME AS SHOP PRIME COAT
PAINT ONE FINISH COAT HI-SOLIDS CATALYZED EPOXY, SANITARY WHITE (B62W201/B60V20)
4.0 MILS MIN. DFT.

TOTAL INTERIOR SYSTEM = 7.0 MILS MIN. DFT.

EXTERIOR: BLAST CLEAN SSPC-SP6 ALL SEAMS AND ABRADED AREAS
APPLY ONE PATCH PRIME COAT SAME AS SHOP PRIME COAT
PAINT ONE COAT EPOLONE II MULTI-MIL EPOXY (B62-800/B62V800)
2.0 TO 3.0 MILS MIN. DFT. (TINT COLOR SLIGHTLY FOR CONTRAST)
PAINT ONE COAT COROTHANE II GLOSS (B65W400 SERIES/B60V2)
2.0 TO 3.0 MILS DFT. (COLOR-_____)

TOTAL EXTERIOR SYSTEM = 7.0 MILS MINIMUM DFT.

STERILIZE TANK IN ACCORDANCE WITH AWWA C652-92 AND COLLECT WATER SAMPLES
PAINT TANK SIGN PER DWG. 13

DESIGN NOTES

TANK & TOWER DESIGNED IN ACCORDANCE WITH AWWA D100-96 AND THE PROJECT PLANS & SPECIFICATIONS PREPARED BY MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS INC.
(N) WIND LOAD: 120 M.P.H. SNOW LOAD: 25 P.S.F.
SEISMIC ZONE: 0

MATERIAL

STEEL PLATE: ASTM A283-GR. C / A36
STRUCTURAL STEEL: ASTM A36
BRACE RODS AND STAY RODS: ASTM: A36
LADDER RUNGS: ASTM A706

(N) DENOTES NON-STANDARD ITEM OR PROCESS

David Mull
11/24/98

REV.	BY:	CK:	DATE	REMARKS

CALDWELL TANKS, INC.
LOUISVILLE, KY

MARION COUNTY, FLORIDA

BY: VWM
DATE: 11/12/98

TITLE: 200,000 GALLON OBLATOID ELEVATION & PAINT DETAILS
DRAWING NO.: E-4428 01

VERIFICATION OF CAPACITY OF WATER TOWER FOR FIRE FLOW REQUIREMENTS

Diameter water tank = 36.0'
Low water level = 124.0' (190.0' elevation from datum)
Pumping start level = 130.0' (196.0' elevation from datum)
Delivery of pump = 1,100 gpm

Height of storage before pump starts = 130.0' – 124.0' = 6.0'
Approximate volume of storage = π(36/2)^2 x 6 = 6,107 cf = 45,683 gal

Total MDF demand:

- Fire hydrant = 1,000 gpm
- MDF Millwood Estates = 200 gpm
- Estimated MDF Neighborhood = 200 gpm

TOTAL = 1,400 gpm

Deficit per demand = 1,400 – 1,100 = 300 gpm.

2 hours of fire flow delivery (on hydrant) requires:

300 gpm x 2hr x (60/1) min/hr = 36,000 gal

Then:

45,683 gal > 36,000 gal

➔ Stored capacity in water tank is enough for providing 2 hrs. of fire flow requirements.

Storage volume after 2 hrs. of fire flow = 45,683 gal – 36,000 gal = 9,683 gal

Storage level after 2 hrs. of fire flow =

= 124.0 ft + [9,683 gal x 0.134 cf/gal] / [π(36/2)^2 sf] =

= 124 ft + 1.2 ft = 125.2 ft (191.2' elevation from datum)

Modeling in WaterCAD 10 considered 191.2' of elevation for the water surface into the tank as worst scenario case for validating fire flow requirements and minimum pressures in the system.

From: Joyce Molina
To: Villareal, Daissan A.; Tim Brooker
Cc: Elizabeth Cotos
Subject: RE: Armstrong - Millwood Estates _FDEP Water
Date: Wednesday, May 11, 2022 1:40:29 PM
Attachments: image001.jpg
image002.png
image003.png
image004.png
image005.jpg
image006.png
image007.png
image008.jpg
image009.jpg
Page 1.pdf

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

My apologies, Tradewinds is the utility responsible. The corrected page 1 document has been attached.

If you have any questions or require additional documents and or information, please do not hesitate to contact our office. Thank you in advance for your assistance on this matter.

Regards,

Joyce Lynn Molina
Permit Coordinator
Tillman & Associates Engineering
Civil Engineering - Planning - GIS - Landscape Architecture - Environmental
1720 SE 16th Ave., Bldg 100 | Ocala FL 34471
Office: 352-387-4540 | Fax: 352-387-4545

From: Villareal, Daissan A. <Daissan.A.Villareal@FloridaDEP.gov>
Sent: Wednesday, May 11, 2022 1:04 PM
To: Joyce Molina <JMolina@Tillmaneng.com>; Tim Brooker <TBrooker@Tillmaneng.com>
Cc: Elizabeth Cotos <ECotos@Tillmaneng.com>
Subject: RE: Armstrong - Millwood Estates _FDEP Water

The PWS is Tradewinds in the original application. Why the change all of a sudden when the permit number corresponding to the Utility has already been assigned? Is this correct?

From: Joyce Molina <JMolina@Tillmaneng.com>
Sent: Wednesday, May 11, 2022 9:48 AM
To: Villareal, Daissan A. <Daissan.A.Villareal@FloridaDEP.gov>; Tim Brooker <TBrooker@Tillmaneng.com>
Cc: Elizabeth Cotos <ECotos@Tillmaneng.com>

Subject: RE: Armstrong - Millwood Estates _FDEP Water

EXTERNAL MESSAGE
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Daissan –

The first page has been updated. We have removed the request for "dryline". If you can, please disregard the initial first page requesting the "dryline" in our initial submittal and replace it with attached document to complete the application.

If you have any questions or require additional documents and or information, please do not hesitate to contact our office. Thank you in advance for your assistance on this matter.

Regards,

Joyce Lynn Molina
Permit Coordinator
Tillman & Associates Engineering
Civil Engineering - Planning - GIS - Landscape Architecture - Environmental
1720 SE 16th Ave., Bldg 100 | Ocala FL 34471
Office: 352-387-4540 | Fax: 352-387-4545

From: Villareal, Daissan A. <Daissan.A.Villareal@FloridaDEP.gov>
Sent: Wednesday, May 11, 2022 7:58 AM
To: Tim Brooker <TBrooker@Tillmaneng.com>
Cc: Elizabeth Cotos <ECotos@Tillmaneng.com>; Joyce Molina <JMolina@Tillmaneng.com>
Subject: RE: Armstrong - Millwood Estates _FDEP Water

I am waiting for a response to the email below.

From: Villareal, Daissan A.
Sent: Monday, May 9, 2022 12:13 PM
To: Tim Brooker <TBrooker@Tillmaneng.com>
Cc: Elizabeth Cotos <ECotos@Tillmaneng.com>; Joyce Molina <JMolina@Tillmaneng.com>
Subject: RE: Armstrong - Millwood Estates _FDEP Water

Tim,

A dry-line permit application was submitted because Tradewinds Village PWS is currently modifying their Consumptive Use Permit.

As listed in the DEP's database, the permitted maximum day design capacity of Tradewinds Village

(PWS No. 3424620) is 950,000 GPD. Based on my calculations with wells limiting, the max day capacity if 950,400 GPD. The added Max day flow to Millwood Estates project as provided in the engineer's report is 288,000 GPD. The max day flow for the existing customers based on the MORs submitted is 250,000 GPD. Total would be 538,000 GPD. It has 3 well pumps (total well capacity of 1,320 GPM) and a 200,000-gallon elevated tank. Based on the above, the Utility has sufficient capacity to supply the proposed project.

Applying to modify the CUP for the facility is NOT a reason to request a dry-line construction permit as long as the supplying main is there in the ground at the proposed connection point, having been previously permitted, constructed and cleared for service (evidence is not necessarily required if the main was there for more than say 10 years and it is proven to be difficult to get documentation of past permitting and clearance). The other important factor is that the Utility must have sufficient capacity to serve the project (based on our own calculation and evaluation – the Utility has sufficient capacity).

S**o if the main is physically there and the PWS has capacity, no dry-line permit. It can be issued as a water distribution system extension permit under a specific permit application.**

The consumptive use permit revision does not increase the PWS maximum day supply capacity based on the physical components individual capacities. If that occurs in the future, it allows the system to withdraw more from the aquifer but does not change the pump capacities as permitted (they may need to change the pumps). And we do not limit the permitted plant capacity based upon the CUP limitation unless we subsequently find that to be meaningful and convincing to go back and de-rate the calculated plant capacity because we came to realize that CUP does not support it.

Please provide clarification for the requested modification in the Utility's CUP. We do not issue dry-line permit unless the supply line is not there, but for capacity shortfalls that must be addressed first in a satisfactory manner.

Thanks,

Daissan

From: Tim Brooker <TBrooker@Tillmaneng.com>
Sent: Monday, May 9, 2022 10:27 AM
To: Villareal, Daissan A. <Daissan.A.Villareal@FloridaDEP.gov>; Joyce Molina <JMolina@Tillmaneng.com>
Cc: Elizabeth Cotos <ECotos@Tillmaneng.com>
Subject: RE: Armstrong - Millwood Estates _FDEP Water

EXTERNAL MESSAGE
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Hey Daissan, the supply main is an existing main that has been in service for many years now. We are not sure of the permit number or project name for that main. We submitted this as a 'dry line' permit because the water supplier (Tradewinds Utilities, Inc) is currently modifying their CUP to

provide capacity for this project. Please let me know if you need anything additional.

Thank you,
Tim Brooker, P.E.



Civil Engineering - Planning -GIS- Landscape Architecture - Environmental
1720 SE 16th Ave; Bldg 100
Ocala FL 34471
352.387.4540 office
352.387.4545 fax



From: Villareal, Daissan A. [mailto:Daissan.A.Villareal@FloridaDEP.gov]
Sent: Monday, May 9, 2022 9:57 AM
To: Joyce Molina <JMolina@Tillmaneng.com>
Cc: Elizabeth Cotos <ECotos@Tillmaneng.com>; Tim Brooker <TBrooker@Tillmaneng.com>
Subject: RE: Armstrong - Millwood Estates _FDEP Water

Please provide the Permit Number and project name where the supplying main to this project is included.

Thanks,

Daissan

FL-DEP-LOGO



Daissan A. Villareal, P.E.
Permitting and Waste Cleanup
Professional Engineer II
Florida Department of Environmental Protection
Central District – Orlando
Daissan.A.Villareal@FloridaDEP.gov
Office: 407-897-4129

From: Joyce Molina <JMolina@Tillmaneng.com>
Sent: Friday, May 6, 2022 11:11 AM
To: DEP_CD <DEP_CD@dep.state.fl.us>
Cc: Elizabeth Cotos <ECotos@Tillmaneng.com>; Tim Brooker <TBrooker@Tillmaneng.com>
Subject: Armstrong - Millwood Estates _FDEP Water

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please review Millwood Estates permit applications for Water. The submittal package has been uploaded to FTP:

ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Armstrong%20-%20Millwood%20Estates/WATER/

If you have any questions or require additional documents and or information, please do not hesitate to contact our office. Thank you in advance for your assistance on this matter.

Regards,

Joyce Lynn Molina
Permit Coordinator
Tillman & Associates Engineering
Civil Engineering - Planning - GIS - Landscape Architecture - Environmental
1720 SE 16th Ave., Bldg 100 | Ocala FL 34471
Office: 352-387-4540 | Fax: 352-387-4545

Dep Customer Survey

Dep Customer Survey

APPLICATION FOR A SPECIFIC PERMIT TO CONSTRUCT PWS COMPONENTS

See page 4 for instructions.

I. General Project Information

A. Name of Project: Millwood Estates

B. Description of Project and Its Purpose:

The proposed project is a residential subdivision. Infrastructure includes: 3,880 LF of 12" PVC WM, 11,530 LF of 8" PVC WM, (19) hydrants, (3) connections to existing 8" WM with temp. jumpers, with associated valves and appurtenances.

C. Does project create a "new system" as described under subsection 62-555.525(1), F.A.C.? ☐ Yes, and a completed copy of Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, is attached. ☒ No.

D. Location of Project

1. County Where Project Located: Marion County
2. Description of Project Location:

Project is on the west side of NE 36th Avenue. Lat 29°13'41.0"N Long 82°05'31.5"W

3. Latitude and Longitude of Each New Treatment Plant and Each New Raw Water Source (attach additional sheets if necessary):

Name of New Treatment Plant or Raw Water Source	Latitude	Longitude
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W
	° ' "N	° ' "W

E. Estimate of Cost to Construct Project: $450,000

F. Estimate of Dates for Starting and Completing Construction of Project: February 2022 - August 2022

G. Applicant

PWS/Company Name: Armstrong Land, LLC		PWS Identification No.:*
PWS Type:* ☒ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
Contact Person: Scott Keiling	Contact Person's Title: Manager	
Contact Person's Mailing Address: 4600 West Cypress St., Suite 300		
City: Tampa	State: Florida	Zip Code: 33607
Contact Person's Telephone Number: 813-574-5720	Contact Person's Fax Number:	
Contact Person's E-Mail Address: scott.keiling@lennar.com		

* *This information is required only if the applicant is a public water system (PWS).*

H. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilities Inc		PWS Identification No.:
PWS Type: ☒ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive		
PWS Owner: Tradewinds Utilities Inc		
Contact Person: Charlie DeMenzes	Contact Person's Title:	
Contact Person's Mailing Address: 1552 SW 7th Road		
City: Ocala	State: Florida	Zip Code: 34471
Contact Person's Telephone Number: 352-843-7790 / 352-622-4949	Contact Person's Fax Number:	
Contact Person's E-Mail Address: charlie@altofo.com		

FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD, SUITE 232
ORLANDO FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 11, 2022

ELECTRONIC CORRESPONDENCE
In the matter of an
Application for Permit by:

Scott Keiling, Division Manager/VP
Armstrong Land, LLC
4500 West Cypress St., Suite 300
Tampa, FL 33607
scott.keiling@lennar.com

DEP File No. 0080675-005-DS
County: Marion

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 0080675-005-DS for Millwood Estates to construct a water distribution system extension, issued pursuant to Section 403.861(9), Florida Statutes.

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver may not apply to persons who have not received a clear point of entry.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Daissan A. Villareal

_____
Daissan A. Villareal, P.E.
Professional Engineer II
Permitting and Waste Cleanup Program

Enclosures: Permit No. 0080675-005-DS

CERTIFICATE OF SERVICE
The undersigned duly designated deputy clerk hereby certifies that this permit and all copies were sent on the filing date below to the following listed persons:

Charlie DeMenzes, Tradewinds Utilities, Inc. [charlie@altofo.com]
Timothy Brooker, P.E., Tillman and Associates Engineering, LLC. [permits@tillmaneng.com]
Reggie Phillips, Jill Farris, Viviana Useche, Daissan Villareal, FDEP

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

May 11, 2022
Clerk **Date**

FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD, SUITE 232
ORLANDO FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 11, 2022

ELECTRONIC CORRESPONDENCE

PERMITTEE:
Armstrong Land, LLC
4500 West Cypress St., Suite 300
Tampa, FL 33607

PWS ID NUMBER: 3424620
PERMIT NUMBER: 0080675-005-DS
DATE OF ISSUE: May 11, 2022
EXPIRATION DATE: May 10, 2027
COUNTY: Marion
PROJECT: Millwood Estates

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-550, 62-555 and 62-560. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: Water distribution system extension.

PROPOSED CONSTRUCTION INCLUDES THE FOLLOWING COMPONENTS:

The project consists of the construction of 3,880 linear feet (LF) of 12-inch PVC water line, 11,530 LF of 8-inch PVC water main, 19 fire hydrants and associated valves and fittings to serve a proposed 320-lot residential development.

IN ACCORDANCE WITH: This permit does not pertain to any wastewater, storm water or dredge and fill aspects of the project. This permit is issued based upon the dates and submissions during the application process as follows: Construction plans, specifications and details received on May 10, 2022.

LOCATION: The proposed Millwood Estates project is located in Sections 34, Township 14S and Range 22E. More specifically, the project is located west of NE 36th Avenue approximately 0.28 miles north of the NE 36th Avenue and NE 35th Street intersection.

Work must be conducted in accordance with the General and Specific Conditions, attached hereto.

The permittee shall be aware of and operate under the Permit Conditions below. These applicable conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes. [F.A.C. Rule 62-555.533(1)]

A. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times (reasonable time may depend on the nature of the concern being investigated), access to the premises where the permitted activity is located or conducted to:

    a. Have access to and copy any records that must be kept under conditions of the permit;
    b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

    a. A description of and cause of noncompliance; and
    b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

    a. Determination of Best Available Control Technology (BACT)
    b. Determination of Prevention of Significant Deterioration (PSD)
    c. Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
    d. Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    c. Records of monitoring information shall include:
        i. the date, exact place, and time of sampling or measurements;
        ii. the person responsible for performing the sampling or measurements;
        iii. the dates analyses were performed;
        iv. the person responsible for performing the analyses;
        v. the analytical techniques or methods used;
        vi. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS

B. Construction Activities

1. Permit Modification

All construction must be in accordance with this permit. Before commencing work on project changes for which a construction permit modification is required per 62-

555.536(1), the permittee shall submit to the Department a written request for a permit modification. Each such request shall be accompanied by one copy of a revised construction permit application, the proper processing fee and one copy of either a revised preliminary design report or revised drawings, specifications and design data. [F.A.C. Rule 62-555.536].

2. Professional Engineer Supervision

Permitted construction or alteration of public water supply systems must be supervised during construction by a professional engineer registered in the State of Florida if the project was designed under the responsible charge of a professional engineer licensed in the State of Florida. The permittee must retain the service of a professional engineer registered in the State of Florida to observe that construction of the project is in accordance with the engineering plans and specifications as submitted in support of the application for this permit. [F.A.C. Rule 62-555.520(3)].

3. Artifacts

If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoe remains, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section at 850.245.6333 or 800.847.7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources and the permitting agency. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, *Florida Statutes*.

4. Delays and Extension of Permit

If delays will cause project completion to extend beyond the expiration date of this permit, the permittee shall submit to the Department a request to extend the expiration date of this permit including the appropriate processing fee. This request shall specify the reasons for the delay and shall be submitted to the Department for approval prior to the expiration date of this permit. Note that no specific construction permit shall be extended so as to remain in effect longer than five years. [F.A.C. Rule 62-555.536(4)].

5. Permit Transfer

In accordance with General Condition #11 of this permit, this permit is transferable only upon Department approval. Persons proposing to transfer this permit must apply jointly for a transfer of the permit within 30 days after the sale or legal transfer of ownership of the permitted project that has not been cleared for service by the Department using form, 62-555.900(8), Application for Transfer of a PWS Construction Permit along with the appropriate fee. [F.A.C. Rule 62-555.536(5)]

6. **Obligation to Obtain Other Permits**
This permit satisfies Drinking Water permitting requirements only and does not authorize construction or operation of this facility prior to obtaining all other necessary permits from other program areas within the Department, or required permits from other state, federal, or local agencies.

7. **Limits on Authorizing Connections**
This permit is for **CONSTRUCTION ONLY** of the components listed in the first page of this permit. This permit shall not infer that the clearance necessary for connection will be granted. Partial clearance may be granted, if required.

8. **Gasoline Contamination**
If gasoline contamination is found at the construction site, work shall be stopped and the proper authorities notified. With the approval of the Department, ductile iron pipe and fittings, and solvent resistant gaskets materials shall be used in the contaminated area. The ductile pipe shall be used in the contaminated area. The ductile iron pipe shall extend 100 feet beyond any solvent noted. Any contaminated soil that is excavated shall be placed on an impermeable mat, covered with waterproof covering, and held for disposal. <u>If the site cannot be properly cleaned, then consultation with the Department is necessary prior to continuing with the project construction.</u>

9. **Wetlands Jurisdiction**
This permit does not constitute approval of construction on jurisdictional wetland areas; therefore such approval must be obtained separately from the Water Management District or from DEP ERP Section, as applicable, Permittee shall provide a copy of the permit approval to the Department if water main installation involves activities on wetlands.

C. Construction Standards

1. **National Sanitation Foundation (NSF)**
All products, including paints, which shall come into contact with potable water, either directly or indirectly, shall conform with National Sanitation Foundation (NSF) International, Water Chemicals Codex, Food Chemicals Codex, American Water Works Association (AWWA) Standards and the Food and Drug Administration, as provided in Rule 62-555.320(3), F.A.C.

2. **American Water Works Association (AWWA)**
Water supply facilities, including mains, pipe, fittings, valves, fire hydrants and other materials shall be installed in accordance with the latest applicable AWWA Standards and Department rules and regulations. The system shall be pressure and leak tested in accordance with AWWA Standard C600 C603, or C605, as applicable, and disinfected in

accordance with AWWA Standard C651-653, as well as in accordance with Rule 62-555.340, F.A.C.

3. **Lead Free**
The installation or repairs of any public water system, or any plumbing in residential or nonresidential facilities providing water for human consumption, which is connected to a public water system shall be lead free in accordance with Rule 62-555.322, F.A.C.

4. **Asbestos**
If any existing asbestos cement (AC) pipes are replaced under this permit, the permittee shall do so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirements applicable to AC pipes, the permittee should contact the Central District Office prior to commencing any such activities at (407) 897-4100. Please be aware that a notification is required to be submitted to the Department at least 10 days prior to the start of a regulated project.
.

5. **Hazard and Reuse Setbacks**
Setback distances between potable water wells and sanitary hazards shall be in accordance with 62-555.312, F.A.C. Reclaimed water land application areas, if applicable, must not be located within the setback distance from potable water supply wells established in Chapter 62-610, F.A.C.

6. **Line Separation**
Permittee shall maintain vertical clearance and horizontal separation between water mains and sanitary sewers, storm sewers, etc. unless approved otherwise by the Department, as provided in Rule 62-555.314, F.A.C., and Section 8.6 of *Recommended Standards for Water Works*, a manual adopted by reference in Rule 62-555.330(3), F.A.C.

7. **Color Coding of Pipes**
The new or altered aboveground piping at the drinking water treatment plant shall be color coded and labeled as recommended in Section 2.14 of "Recommended Standards for Water Works, 1997 Edition". [F.A.C. Rule 62-555.320(10)]

8. **Cross Connections**
Permittee shall ensure that there shall be no cross-connection with any non-potable water source in accordance with Rule 62-555.360, F.A.C.

D. Operational Requirements

1. **Operation and Maintenance to comply with Water Quality Standards**
The supplier of water shall operate and maintain the public water system so as to comply with applicable standards in F.A.C. Rule 62-550 and 62-555.350.

2. **Record Drawings**
The permittee shall have complete record drawings produced for the project in accordance with Rule 62-555.530(4), F.A.C.

3. **State Watch Office**
The permittee or suppliers of water shall telephone the State Watch Office (SWO), at 1-800- 320-0519 immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system in accordance with the F.A.C. Rule 62-555.350(10).

E. Monitoring Provisions

1. **Chlorine Residual**
The water treatment plant shall maintain throughout the distribution system, a minimum continuous and effective free chlorine residual of 0.2 mg/L. A minimum system pressure of 20 psi must be maintained throughout the system. Also, safety equipment shall be provided and located outside of chlorine room.

F. Clearance Requirements

1. **Clearance Letter**
The permittee must instruct the engineer of record to request system clearance from the Department within sixty (60) days of completion of construction, testing and disinfecting the system. Bacteriological test results shall be considered unacceptable if the test were completed more than 60 days before the Department received the results. [F.A.C. Rule 62-555.340(2)(c)]

Permitted construction or alteration of a public water system may not be placed into service until a letter of clearance has been issued by this Department. [F.A.C. Rule 62-555.345]

2. **Requirements to Obtain Clearance**
Prior to placing this project into service, Permittee shall submit, at a minimum, all of the following to the Department for evaluation and approval for operation, as provided in Rules 62-555.340 and 62-555.345, F.A.C.:

a. the engineer's *Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components Into Operation* {DEP Form 62-555.900(9)};

b. certified record drawings, if there are any changes noted for the permitted project.

c. copy of a satisfactory pressure test of the process piping performed in accordance with AWWA Standards. [F.A.C. Rule 62-555.320(21)(a)(1)]

d. analytical reshults from two consecutive days of satisfactory bacteriological samples.

g. Submit the sampling plan showing the bacteriological sampling locations.

3. Cleaning, Disinfecting, and Bacteriological Samples

The new facilities shall be cleaned, disinfected, and bacteriologically cleared in accordance with Chapter 62-555, F.A.C. The bacteriological clearance data shall be submitted to the Department with the engineer's certification of construction completion. [Section 62-555.340 and 62-555.315(6)(b), F.A.C.]

Bacteriological Sampling Locations: Copies of results from satisfactory bacteriological samples shall be submitted with the clearance package. Samples shall be taken from locations within the distribution system for each segment to be partially completed, in accordance with Rules 62-555.315 (6), 62-555.340 and 62-555.330, F.A.C. and American Water Works Association (AWWA) Standard C 651-92, at the following locations:

- The proposed main at all points of connection to the existing main.
- At all terminal ends of the proposed water mains.
- On straight run of pipes between two isolation valves. The maximum interval between two sampling locations shall be 1,200 ft. Per AWWA C651, no hydrants shall be used for sampling.
- Beginning and end of lines for each segment to be partially completed.

Each location shall be sampled on two consecutive days, with sample points and chlorine residual readings clearly indicated on the report. A sketch or description of all bacteriological sampling locations must also be provided.

Bacteriological sample results will be considered unacceptable if the tests were completed more than 60 days before the Department receives the results.

Please submit the entire clearance document package in electronic format to DEP_CD@dep.state.fl.us. If the file is very large, you may post it to the Water Electronic Submittal folder on the Central District's ftp site at:
ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Water%20Electronic%20Applications.

After posting the document, send an e-mail to DEP_CD@dep.state.fl.us, alerting us that it has been posted.

Any submitted drawings (should be sized 11" x 17") and the engineer of record's signed seal and dates on the required document must be legible for acceptance.

Forms: http://www.dep.state.fl.us/water/drinkingwater/forms.htm

As an alternative to submitting the requests to place Potable Water System components into operation, the permittee may submit a request for clearance on the DEP Business Portal. Use of the Business Portal often results in shorter processing time. Permittees with frequent requests

may find this function beneficial. Electronic Requests for PWS Component certification may be made at https://www.fldepportal.com/DepPortal/go/submit-registration.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



_____
Daissan A. Villareal, P.E.
Professional Engineer II
Permitting and Waste Cleanup Program

From: Larry Alcaide
To: DEP_CD; "DLCHD35EVH@flhealth.gov"
Subject: FW: Message from ES-discol
Date: Wednesday, May 25, 2022 8:11:21 PM
Attachments: image001.png
SES-discol22052521030.pdf

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Larry Alcaide
Public Services, Distribution Chief
3335 Hancock Road, Clermont, FL 34711
Tel 352-241-0178 | Fax 352-241-0542
lalcaide@clermontfl.org
www.clermontFL.gov

Our mission: To preserve and enhance the quality of life for the Clermont community by providing exceptional services.

From: DoNotReply@clermontfl.org <DoNotReply@clermontfl.org>
Sent: Wednesday, May 25, 2022 9:04 PM
To: Larry Alcaide <lalcaide@clermontfl.org>
Subject: Message from ES-discol

Website: https://www.clermontfl.gov/

PLEASE NOTE: Under Florida law, e-mail addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

5123



CITY OF CLERMONT
WATER SYSTEM NOTICE
OFFICE 352-241-0178
3335 Hancock Road
Clermont, FL 34711

PRECAUTIONARY BOIL WATER NOTICE

The City of Clermont requests that you boil your water before drinking due to the problem noted below:

- ☑ Broken water main
- ☐ Loss of chlorine in your area
- ☐ Loss of water pressure in your area
- ☐ System repairs in progress
- ☐ Other

Two (2) consecutive days of bacteriological water samples, that report the absence of bacteria, are required before the water system is cleared. During this testing period, as a precaution, we advise that all water used for drinking, cooking, making ice, brushing teeth or washing dishes be boiled. A rolling boil of one (1) minute is sufficient. As an alternative, bottled water may be used. You will be notified when the water system is cleared.

If you have any questions, please call the Public Services Department at 352-241-0178.

We apologize for the inconvenience and we are working diligently to correct the problem as soon as possible.

☐ Your water system is now cleared and it is no longer necessary to boil your water.

Water off - 1:30
Water on - 6:30

5/25

16

~~Hilltop~~

Hillview Dr

1317
1323
1326
1329
1335
1340
1341
1346
1347
1352
1353
1358
1359
1364 - Break
1365
1370

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

December 6, 2022

Charles DeMenzes, Owner
Tradewinds Utilities Inc
2925 NE 43rd Place
Ocala, Florida 34478
charlie@altfo.com

Re: Compliance Assistance Offer
Tradewinds Village
PW facility id #3424620
Marion County

Dear Mr. DeMenzes:

A Sanitary Survey Inspection was conducted at your facility on November 15,2022. During this inspection, potential non-compliance was noted. The purpose of this letter is to offer compliance assistance as a means of resolving these matter(s).

Specifically,

Potential non-compliance with the requirements of chapter 403, Florida Statutes, and chapter(s) 62-555, Florida Administrative Code were observed. Please see the attached inspection report for a full account of Department observations and recommendations.

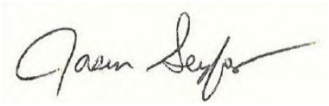
We request you review the item(s) of concern noted and respond in writing within **15 days** of receipt of this Compliance Assistance Offer. Your written response should include one of the following:

1. Describe what has been done to resolve the non-compliance issue or provide a schedule describing how/when the issue will be addressed
2. Provide the requested information, or information that mitigates the concerns or demonstrates them to be invalid, or
3. Arrange for the case manager to visit your facility to discuss the item(s) of concern.

It is the Department's desire that you are able to adequately address the aforementioned issues so that this matter can be closed. Your failure to respond promptly may result in the initiation of formal enforcement proceedings.

Please address your response and any questions to Carolyn Hall of the Central District Office at 407-897-4114 or via e-mail at Carolyn.Hall@floridadep.gov. We look forward to your cooperation with this matter.

Sincerely,



Jason Seyfert, Environmental Administrator
Central District
Florida Department of Environmental Protection

Enclosures: Inspection Report

cc: Carolyn Hall, Central District
Reuben Law randkenvironmental@outlook.com

State of Florida
Department of Environmental Protection
Central District

SANITARY SURVEY REPORT

Plant Name **TRADEWINDS VILLAGE** County Marion PWS ID # **3424620**
Plant Location NE 43rd Place and NE 27th Court, Ocala, FL 34478 Phone 352-622-4949
Owner Name Tradewinds Utilities Inc. Phone 352-622-4949
Owner Address P.O. Box 5220, Ocala, FL 34478
Contact Person Charles Demenzes Title President Phone 352-622-4949
This Survey Date 11/15/2022 Last Survey Date 5/22/2020 Last Compliance Inspection Date 7/31/08

PWS TYPE: Community

PLANT CATEGORY & CLASS: 5C

MAX-DAY DESIGN CAPACITY: 950,000 gpd

PWS STATUS: Approved

TREATMENT PROCESSES IN USE
Hypochlorination

SERVICE AREA CHARACTERISTICS
Subdivision
Food Service: ☐ Yes ☐ No ☒ N/A

Number of Service Connections 375
Population Served 1,313 Basis MOR

OPERATION & MAINTENANCE LOG: Yes
Location Plant
Comments

CERTIFIED OPERATOR: Yes
Operator(s) & Certification Class-Number:
Reuben Law -B 0013153

Hrs/day: *Required* Visit* *Actual* Visit*
Days/wk: *Required* 5+1 *Actual* 5+1
Non-consecutive Days? ☐ Yes ☐ No ☒ N/A
Comments *Visit must total 0.6 hr/week

MONTHLY OPERATION REPORTS (MORs)
MORs submitted regularly? ☒ Yes ☐ No ☐ N/A
Data missing from MORs? ☒ No ☐ Yes ☐ N/A
Average Day (from MORs) 95,735 gpd
Maximum Day (from MORs) 262,000 gpd
Comments

Flow Measuring Device Flow Meter
Meter Size & Type 8" Water Specialties
Date Last Calibrated 2/18/2022

RAW WATER SOURCE
☒ GROUND; Number of Wells 3
☐ PURCHASED from PWS ID #
☐ Emergency Water Source
Emergency Water Capacity

STANDBY POWER SOURCE: Yes
Source MQ Diesel - MQP30IZ
Capacity of Standby (kW) 100
Switchover: ☒ Automatic ☐ Manual
Hrs Operated Under Load 4 hrs/mo.
What equipment does it operate?
☒ Well Pumps Backup wells
☐ High Service Pumps
☒ Treatment Equipment All
Satisfy avg. daily demand? ☒Yes ☐No ☐Unknown
Audio-visual alarm? ☒Yes ☐No
Comments

PLANS AND MAPS

Coliform Sampling Plan	☒ Yes	☐ No	☐ N/A
D/DBP Monitoring Plan	☒ Yes	☐ No	☐ N/A
Lead and Copper Plan	☒ Yes	☐ No	☐ N/A
Distribution System Map	☐ Yes	☒ No	☐ N/A
Emergency Response Plan	☐ Yes	☒ No	☐ N/A

Comments See deficiency below

PREVENTIVE MAINTENANCE/O&M

Operation & Maintenance Manual	☐ Yes	☒ No	
Preventive Maintenance Program	☐ Yes	☒ No	☐ N/A
Flushing Program	☐ Yes	☒ No	☐ N/A
Records	☐ Yes	☒ No	☐ N/A
Isolation Valve Exercise	☐ Yes	☒ No	☐ N/A
Records	☐ Yes	☒ No	☐ N/A

Comments No O&M or preventive maintenance program on site, see deficiency

CROSS CONNECTION CONTROL
BFPAs None noted # Tested Unknown
WWTP RPZ Yes Date Tested Unknown
Written Plan No Date Unknown
Comments

PWS ID # 3424620
Date 11/15/2022

GROUND WATER SOURCE

Well Number (Florida Unique Well ID #)		1 (AAG9349)	2 (AAG9348)	3 (AAG9347)	
Year Drilled		1983	1983	1991	
Depth Drilled		285’	140’	164’	
Drilling Method		Rotary	Rotary	Rotary	
Type of Grout		Neat cement	Neat cement	Neat cement	
Static Water Level		23’	23’	23’	
Pumping Water Level		Unknown	Unknown	Unknown	
Design Well Yield		Unknown	Unknown	Unknown	
Test Yield		Unknown	Unknown	Unknown	
Actual Yield (if different than rated capacity)		Unknown	Unknown	Unknown	
Strainer		Unknown	Unknown	Unknown	
Length (outside casing)		105’	111’	88’	
Diameter (outside casing)		6”	6”	10”	
Material (outside casing)		Black steel	Black steel	Black steel	
Well Contamination History		None	None	None	
Is inundation of well possible?		No	No	No	
6’ X 6’ X 4” Concrete Pad		Yes	Yes	Yes	
SET BACKS	Septic Tank	N/A	N/A	N/A	
	Reuse Water	N/A	N/A	N/A	
	WW Plumbing	>100’	>100’	>100’	
	Other Sanitary Hazard	None observed	None observed	None observed	
PUMP	Type	Submersible	Submersible	Vertical turbine	
	Manufacturer Name	Sta-Rite	Sta-Rite	Goulds	
	Model Number	Unknown	Unknown	Unknown	
	Rated Capacity (gpm)	185	185	950	
	Motor Horsepower	10	10	75	
Well casing 12” above grade?		Yes	Yes	Yes	
Well Casing Sanitary Seal		OK	OK	OK	
Raw Water Sampling Tap		Yes	Yes	Yes	
Above Ground Check Valve		Yes	Yes	Yes	
Security		Yes	Yes	Yes	
Well Vent Protection		Yes	Yes	Yes	

COMMENTS Well 1 and 2 serve as back-up wells. Minimal corrosion noted on well casing.

PWS ID # 3424620
Date 11/15/2022

CHLORINATION (Disinfection)
Type: ☐ Gas ☒ Hypo
Make (2) Chem-Tech Capacity 30 gpd
Chlorine Feed Rate 80% stroke
Avg. Amount of Cl_2 gas used N/A
Chlorine Residuals: Plant 1.92 Remote 1.4
Remote tap location Terry's Sports Bar & Grill
DPD Test Kit: ☐ On-site ☒ With operator
☐ None ☐ Not Used Daily
Injection Points Prior to elevated tank
Booster Pump Info N/A
Comments

Chlorine Gas Use Requirements	YES	NO	Comments
Dual System	☐	☐	
Auto-switchover	☐	☐	
Alarms:			
Loss of Cl_2 capability	☐	☐	
Loss of Cl_2 residual	☐	☐	
Cl_2 leak detection	☐	☐	
Scale	☐	☐	
Chained Cylinders	☐	☐	
Reserve Supply	☐	☐	
Adequate Air-pak	☐	☐	
Sign of Leaks	☐	☐	
Fresh Ammonia	☐	☐	
Ventilation	☐	☐	
Room Lighting	☐	☐	
Warning Signs	☐	☐	
Repair Kits	☐	☐	
Fitted Wrench	☐	☐	
Housing/Protection	☐	☐	

AERATION (Gases, Fe, & Mn Removal)
Type Capacity
Aerator Condition
Visible Algae Growth
Protective Screen Condition
Frequency of Cleaning
Date Last Inspected/Cleaned
Comments

STORAGE FACILITIES
(G) Ground (C) Clearwell (E) Elevated
(B) Bladder (H) Hydropneumatic / flow-through

Tank Type/Number	H1/ft	H2/ft*	E
Capacity (gal)	5,000	10,000	200,000
Material	Steel	Steel	Steel
Gravity Drain	Yes	Yes	Yes
By-Pass Piping	Yes	Yes	Yes
Protected Openings	Yes	Yes	Yes
Sight Glass or Level Indicator	Yes	Yes	Yes
PRV/ARV	PRV	PRV	None
Pressure Gauge	No	No	Yes
On/Off Pressure	N/A	N/A	40/60'
Access Secured	Yes	Yes	Yes
Access Manhole	Yes	Yes	Yes
Tank Sample Tap Location	On tank	On tank	Discharge piping
Date of Inspection	N/A	N/A	12/19
Date of Cleaning	N/A	N/A	12/19

Comments H1 and H2 offline since about 2015. Tank inspection due 2025.

HIGH SERVICE PUMPS

Pump Number		
Type		
Make		
Model		
Capacity (gpm)		
Motor HP		
Date Installed		

Comments

PWS ID # 3424620
Date 11/15/2022

DEFICIENCIES:

	Areas of Concern	Rule	Corrective Action	Date Corrected	Significant Deficiency?
1.	There was no distribution system map on site.	62-555.350(14)	Provide an up-to-date map of the drinking water distribution system.	Outstanding	No
2.	No Emergency Preparedness/Response Plan was available for review	62-555.350(15)	Provide an Emergency Response Plan	Outstanding	No
3.	No operation and maintenance (O&M) manual was available	62-555.350(13)	Provide an O&M manual to be kept at the water plant or at a convenient location near the plant.	Outstanding	No
4.	No record that isolation valves are being exercised or flushing is occurring.	62-555.350(2) & 62-555.350(12)(c)	Maintain documentation that gate valves are being exercised at least once every 5 years (see the Second Edition of Distribution Valves: Selection, Installation, Field Testing, and Maintenance: AWWA Manual M44). Butterfly valves might need less exercise.	Outstanding	No
5.	No cross-connection control program. No Cross Connection Control Plan (CCCP) on file. *(But, there are records that BFPA have been tested.)*	62-555.360(2)	Establish and implement a cross-connection control program. Submit a CCCP.	Outstanding	No

MONITORING REMINDER:

- Nitrate and nitrite samples are required to be collected from the point of entry (POE) to the distribution system annually.
- The consumer confidence report (CCR) must be delivered to consumers and the Department no later than July 1, 2023 and certification of delivery of the CCR must be submitted to the Department no later than August 10, 2023.
- Monitoring schedules are available on the Central District's website: https://floridadep.gov/central/central/content/resources-drinking-water-facilities-and-operators

COMMENTS:

- Contact FRWA (Florida Rural Water Association) at 850-668-2746, or frwa@frwa.net, for free technical assistance with your system. FRWA has extended benefits offered to members.
- Provide documentation that the finished-drinking-water meter has been calibrated at least every 5 years.

  Checking the calibration of finished-drinking-water meters at treatment plants shall be performed in accordance with the equipment manufacturer's recommendations or in accordance with a written preventive maintenance program established by the supplier of water. [Rule 62-555.350(2), F.A.C.]
- Suppliers of water shall submit written notification to the Department before beginning work or alterations to the public water system. Each notification shall be submitted to the appropriate Department of Environmental Protection District Office or Approved County Health Department and shall include the following: a description of the scope, purpose, and location of the work or alterations; and assurance that the work or alterations will comply with applicable requirements listed in Rule 62-555.330, F.A.C. Suppliers of water may begin such work or alterations 14 days after providing notification to the Department unless they are advised by the Department that the notification is incomplete or that a construction permit is required.
- Suppliers of water shall telephone the SWO at 1-800-320-0519 immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system. [Rule 62-555.350(10)(a), F.A.C.]
- Suppliers of water shall telephone, and speak directly to a person at, the appropriate DEP District Office as soon as possible, but never later than noon of the next business day, in the event of any of the following emergency or abnormal operating conditions:
  - The occurrence of any abnormal color, odor, or taste in a public water system's raw or finished water;
  - The failure of a public water system to comply with applicable disinfection requirements; or
  - The breakdown of any water treatment or pumping facilities, or the break of any water main, in a public water system if the breakdown or break is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(b), F.A.C.]
- Suppliers of water shall notify affected water customers in writing or via telephone, newspaper, radio, or television; and telephone, and speak directly to a person at, the appropriate DEP District Office by no later than the previous business day before taking PWS components out of operation for planned maintenance or repair work if the work is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(d), F.A.C.]
- Suppliers of water shall issue precautionary “boil water” notices as required or recommended in the Department of Health’s “Guidelines for the Issuance of Precautionary Boil Water Notices” as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(11), F.A.C.]

PWS ID # 3424620
Date 11/15/2022

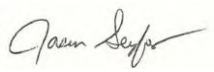


Inspector Signature

Carolyn Hall
Printed Name

Environmental Consultant
Title

11/22/2022
Date



Reviewer Signature

Jason Seyfert
Printed Name

Environmental Administrator
Title

12/5/2022
Date

From: Reuben Law
To: Hall, Carolyn
Subject: Tradewinds Data
Date: Monday, January 30, 2023 9:59:50 AM
Attachments: Tradewinds CCC.doc
Tradewinds ERP.doc
Tradewinds O & M Manual.rtf

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please find attached the CCC Plan, ERP and O & M Manual for Tradewinds Village WTP. I am working on doing a google map with the distribution system drawn on it. I am also trying to finalize the flushing program. Let me know if you have any questions or if I need to make changes to anything.

Thank you,

Reuben Law

FRWA
Example Cross-Connection Control Program Plan and Resolution for a Small Community Water System

Contents

This document contains an example written cross-connection control (CCC) program plan and an example resolution for a small community water system (CWS). The resolution establishes the authority of a CWS to adopt and implement a CCC program.

How to Use This Document

The example written CCC program plan and resolution in this document have been designed for use by CWSs where the majority of the service connections are residences or premises owned or occupied by private or public entities separate from the CWS.

The example written CCC program plan in this document has been arranged and formatted for ease of review by the Florida Department of Environmental Protection (FDEP), or the approved county health department, when it evaluates the plan with respect to Rule 62-555.360, Florida Administrative Code. It is recommended that CWSs follow the format (i.e., use the example written CCC program plan as a template) whenever possible. *However, CWSs are not required to use the example written CCC program plan.* Some CWSs may have a particular approach or institutional requirements that may dictate a different format or wording in their written CCC program plan.

It is recommended that CWSs consult with legal counsel when using the example written CCC plan and resolution.

Instructions

To use the example written CCC program plan, CWSs are encouraged to:

1. Download the example plan file (in Microsoft Word format) from the Florida Rural Water Association (FRWA) website or obtain it from the FRWA electronically; www.FRWA.net or email FRWA@FRWA.Net
2. Retain the basic formatting and text of the example plan and fill in the blanks indicated by yellow highlighting to "customize" the example plan; and
3. Include or delete alternative language indicated by yellow highlighting in the example plan to reflect system-specific decisions.

Cross-Connection Control Program Plan
for the Tradewinds Village WTP

January 28, 2023

Requirement for Program Plan

The Tradewinds Village WTP, 3424620, hereinafter referred to as the "community water system (CWS)," has the responsibility to protect itself from contamination caused by cross-connections on customers' premises. A cross-connection is defined in Rule 62-550.200, Florida Administrative Code (F.A.C.), as follows:

> "CROSS-CONNECTION" means any physical arrangement whereby a public water supply is connected, directly or indirectly, with any other water supply system, sewer, drain, conduit, pool, storage reservoir, plumbing fixture, or other device which contains or may contain contaminated water, sewage or other waste, or liquid of unknown or unsafe quality which may be capable of imparting contamination to the public water supply as the result of backflow. By-pass arrangements, jumper connections, removable sections, swivel or changeable devices, and other temporary or permanent devices through which or because of which backflow could occur are considered to be cross-connections.

Pursuant to Rule 62-555.360, F.A.C., the CWS is required to establish and implement a cross-connection control (CCC) program utilizing backflow protection at or for service connections from the CWS. The CCC program must include a written plan that contains, as a minimum, the following components:

I. Legal authority for the CWS's CCC program.
II. The CWS's policy establishing where backflow protection at or for service connections from the CWS is mandatory.
III. The CWS's policy regarding ownership, installation, inspection/testing, and maintenance of backflow protection that the CWS is requiring at or for service connections from the CWS.
IV. The CWS's procedures for evaluating customers' premises to establish the category of customer and the backflow protection being required at or for the service connection(s) from the CWS to the customer.
V. The CWS's procedures for maintaining CCC program records.

Note: Throughout this CCC program plan, the term "customer" is used. Customer, as used herein, means the property owner and/or occupant of the premises served by the CWS (i.e., whoever interfaces with the CWS regarding water service). Also, unless otherwise defined, all CCC-related terms used in this CCC program plan have the same definitions as those contained in Rules 62-550.200 and 62-555.360, F.A.C.

Program Plan Components

Rule 62-555.360, F.A.C., requires that written CCC program plans include certain minimum components. The minimum components are listed in Table 62-555.360-1 in Rule 62-555.360. This section includes the required minimum components. Components are numbered the same as they appear in Table 62-555.360-1.

Component I: ***Legal authority for the CWS's CCC program (i.e., an ordinance, a bylaw or resolution, or water service rules and regulations).***

The CWS has adopted Resolution No. [insert resolution number], which is included in Appendix A. The resolution authorizes the CWS to establish and implement a CCC program and references the following CWS policies:

- The CWS's policy establishing where backflow protection at or for service connections from the CWS is mandatory.
- The CWS's policy regarding ownership, installation, inspection/testing, and maintenance of backflow protection that the CWS is requiring at or for service connections from the CWS.

Component II: ***The CWS's policy establishing where backflow protection at or for service connections from the CWS is mandatory.***

This policy applies to all new or existing customers.

The following minimum backflow protection shall be provided at or for service connections from the CWS to the following categories of customers:

Category of Customer	Minimum Backflow Protection[1] to Be Provided at or for the Service Connection from the CWS to the Customer
Beverage processing plant, including any brewery	DC if the plant presents a low hazard[2]; or RP if the plant presents a high hazard[2]
Cannery, packing house, rendering plant, or any facility where fruit, vegetable, or animal matter is processed, excluding any premises where there is only a restaurant or food service facility	RP
Car wash	RP
Chemical plant or facility using water in the manufacturing, processing, compounding, or treatment of chemicals, including any facility where a chemical that does not meet the requirements in paragraph 62-555.320(3)(a), F.A.C., is used as an additive to the water	RP
Dairy, creamery, ice cream plant, cold-storage plant, or ice manufacturing plant	RP[3]
Dye plant	RP
Film laboratory or processing facility or film manufacturing plant, excluding any small, noncommercial darkroom facility	RP

Category of Customer	Minimum Backflow Protection[1] to Be Provided at or for the Service Connection from the CWS to the Customer
Hospital; medical research center; sanitarium; autopsy facility; medical, dental, or veterinary clinic where surgery is performed; or plasma center	RP
Laboratory, excluding any laboratory at an elementary, middle, or high school	RP
Laundry (commercial), excluding any self-service laundry or Laundromat	RP
Marine repair facility, marine cargo handling facility, or boat moorage	RP
Metal manufacturing, cleaning, processing, or fabricating facility using water in any of its operations or processes, including any aircraft or automotive manufacturing plant	DC if the facility presents a low hazard[2]; or RP if the facility presents a high hazard[2]
Mortuary	RP
Premises where oil or gas is produced, developed, processed, blended, stored, refined, or transmitted in a pipeline or where oil or gas tanks are repaired or tested, excluding any premises where there is only a fuel dispensing facility	RP
Premises where there is an auxiliary or reclaimed water system[4,5]	A. At or for a residential service connection[6]: DuC[7] B. At or for a non-residential service connection[6]: DC if the auxiliary or reclaimed water system presents a low hazard[8,9]; or RP if the auxiliary or reclaimed water system presents a high hazard[8,9]
Premises where there is a cooling tower	RP
Premises where there is an irrigation system that is using potable water and that… I. Is connected directly to the CWS's distribution system via a dedicated irrigation service connection II. Is connected internally to the customer's plumbing system	I. At or for a residential or non-residential dedicated irrigation service connection[6]: PVB if backpressure cannot develop in the downstream piping[10]; or RP if backpressure could develop in the downstream piping[10] II. None[11]

Category of Customer	Minimum Backflow Protection[1] to Be Provided at or for the Service Connection from the CWS to the Customer
Premises where there is a wet-pipe sprinkler, or wet standpipe, fire protection system that is using potable water and that…	
I. Is connected directly to the CWS's distribution system via a dedicated fire service connection[12]	I.A. At or for a residential dedicated fire service connection[6]: DuC if the fire protection system contains no chemical additives and is not connected to an auxiliary water system[4]; or RP/RPDA if the fire protection system contains chemical additives or is connected to an auxiliary water system[4,13] I.B. At or for a non-residential dedicated fire service connection[6]: DC/DCDA if the fire protection system contains no chemical additives and is not connected to an auxiliary water system[4]; or RP/RPDA if the fire protection system contains chemical additives or is connected to an auxiliary water system[4,13]
II. Is connected internally to the customer's plumbing system	II. None[11]
Radioactive material processing or handling facility or nuclear reactor	RP
Paper products plant using a wet process	RP
Plating facility, including any aircraft or automotive manufacturing plant	RP
Restricted-access facility	RP
Steam boiler plant	RP
Tall building – i.e., a building with five or more floors at or above ground level	DC if the customer has no potable water distribution lines connected to the suction side of a booster pump; or RP if the customer has one or more potable water distribution lines connected to the suction side of a booster pump
Wastewater treatment plant or wastewater pumping station	RP
Customer supplied with potable water via a temporary or permanent service connection from a CWS fire hydrant	Varies[14]

[1] Means of backflow protection, listed in an increasing level of protection, include the following: a dual check device (DuC); a double check valve assembly (DC) or double check detector assembly (DCDA); a pressure vacuum breaker assembly (PVB); a reduced-pressure principle assembly (RP) or reduced-pressure principle detector assembly (RPDA); and an air gap. A PVB may not be used if backpressure could develop in the downstream piping.

[2] The CWS shall determine the degree of hazard. "Low hazard" or "non-health hazard" and "high hazard" or "health hazard" are defined in American Water Works Association Manual of Water Supply Practices—M14, Third Edition, *Recommended Practice for Backflow Prevention and Cross-Connection Control* as follows:

- "Non-health hazard (low hazard)" means a cross-connection or potential cross-connection involving any substance that generally would not be a health hazard but would constitute a nuisance or be aesthetically objectionable if introduced into the potable water supply.
- "Health hazard (high hazard)" a cross-connection or potential cross-connection involving any substance that could, if introduced into the potable water supply, cause death or illness, spread disease, or have a high probability of causing such effects.

[3] A DC may be provided if it was installed before 5-5-14; and if such a DC is replaced on or after 5-5-14, it may be replaced with another DC.

[4] For the purpose of this table, "auxiliary water system" means a pressurized system of piping and appurtenances using auxiliary water, which is water other than the potable water being supplied by the CWS and which includes water from any natural source such as a well, pond, lake, spring, stream, river, etc., includes reclaimed water, and includes other used water or industrial fluids described in American Water Works Association Manual of Water Supply Practices—M14, Third Edition, *Recommended Practice for Backflow Prevention and Cross-Connection Control*; however, "auxiliary water system" specifically excludes any water recirculation or treatment system for a swimming pool, hot tub, or spa. (Note that reclaimed water is a specific type of auxiliary water and a reclaimed water system is a specific type of auxiliary water system.)

[5] The Department of Environmental Protection shall allow an exception to the requirement for backflow protection at or for a residential or non-residential service connection from a CWS to premises where there is an auxiliary or reclaimed water system if all of the following conditions are met:

- The CWS is distributing water only to land owned by the owner of the CWS.
- The owner of the CWS is also the owner of the entire auxiliary or reclaimed water system up to the points of auxiliary or reclaimed water use.
- The CWS conducts at least biennial inspections of the CWS and the entire auxiliary or reclaimed water system to detect and eliminate any cross-connections between the two systems.

[6] For the purpose of this table, "residential service connection" means any service connection, including any dedicated irrigation or fire service connection, that is two inches or less in diameter and that supplies water to a building, or premises, containing only dwelling units; and "non-residential service connection" means any other service connection.

[7] A DuC may be provided only if there is no known cross-connection between the plumbing system and the auxiliary or reclaimed water system on the customer's premises. Upon discovery of any cross-connection between the plumbing system and any reclaimed water system on the customer's premises, the CWS shall ensure that the cross-connection is eliminated. Upon discovery of any cross-connection between the plumbing system and any auxiliary water system other than a reclaimed water system on the customer's premises, the CWS shall ensure that the cross-connection is eliminated or shall ensure that the backflow protection provided at or for the service connection is equal to that required at or for a non-residential service connection.

[8] A reclaimed water system using reclaimed water regulated under Part III of Chapter 62-610, F.A.C., is a low hazard unless the reclaimed water is stored with surface water in a pond that is part of a stormwater management system, in which case the system is a high hazard; an auxiliary water system using well water is a low hazard unless determined otherwise by the CWS; an auxiliary water system using industrial fluids or used water other than reclaimed water is a high hazard unless determined otherwise by the CWS; an auxiliary or reclaimed water system using reclaimed water not regulated under Part III of Chapter 62-610, F.A.C., or surface water is a high hazard.

[9] Upon discovery of any cross-connection between the plumbing system and any reclaimed water system on the customer's premises, the CWS shall ensure that the cross-connection is eliminated.

[10] A DC may be provided if both of the following conditions are met:

- The dedicated irrigation service connection initially was constructed before 5-5-14.
- No chemicals are fed into the irrigation system.

[11] The CWS may rely on the internal backflow protection required under the *Florida Building Code* or the

predecessor State plumbing code. The CWS may, but is not required to, ensure that such internal backflow protection is inspected/tested and maintained the same as backflow protection provided at or for service connections from the CWS.

[12] The Department of Environmental Protection shall allow an exception to the requirement for backflow protection at or for a residential or non-residential dedicated fire service connection from a CWS to a wet-pipe sprinkler, or wet standpipe, fire protection system if both of the following conditions are met:

- The fire protection system was installed and last altered before 5-5-14.
- The fire protection system contains no chemical additives and is not connected to an auxiliary water system as defined in Footnote 4.

[13] Upon discovery of any cross-connection between the fire protection system and any reclaimed water system on the customer's premises, the CWS shall ensure that the cross-connection is eliminated.

[14] The CWS shall ensure that backflow protection commensurate with the degree of hazard is provided at or for the service connection from its fire hydrant.

Component III: *The CWS's policy regarding ownership, installation, inspection/testing, and maintenance of backflow protection that the CWS is requiring at or for service connections from the CWS.*

A. Except for dual check devices (DuCs), the customer shall own, and shall be responsible for installation, inspection/testing, and maintenance of, any backflow protection required at or for a service connection from the CWS. The CWS shall own, and shall be responsible for installation and maintenance of, any DuC required at a service connection from the CWS; however, the customer shall be responsible for installation and maintenance of the thermal expansion control that is necessary, and required under the *Florida Building Code*, where a DuC is installed at a service connection to a customer using storage water heating equipment. At least 60 days before the CWS installs a DuC at the service connection to a customer, the CWS will notify the customer in writing and advise the customer to install thermal expansion control if the customer's plumbing system includes storage water heating equipment but does not include thermal expansion control. (A notice/letter is included in Appendix C.)

The following table shows the schedule that the CWS will follow for installation of backflow protection required at or for service connections.

Type of Service Connection	Schedule
New service connection to a customer in a category listed in Component II.	Before water service is initiated.
Existing—i.e., previously constructed—service connection to a premises where there is a reclaimed water system.	Before reclaimed water service is initiated.

Type of Service Connection	Schedule
Existing—i.e., previously constructed—service connection where the CWS will install a dual check device (DuC).	At least 60 days after the customer receives written notification from the CWS advising the customer to install thermal expansion control if the customer's plumbing system includes storage water heating equipment but does not include thermal expansion control. (A notice/letter is included in Appendix C.) If the service connection is to a premises where there is an auxiliary water system, the CWS shall deliver the aforementioned written notification within 30 days after the CWS discovers the auxiliary water system and shall install the DuC 60 to 90 days after the customer receives the aforementioned written notification.
Existing—i.e., previously constructed—service connection to a customer in any category listed in Component II except premises where there is a reclaimed water system or service connections where the CWS will install a DuC.	Within 60 days after the CWS notifies the customer in writing to install backflow protection at or for the service connection. (A notice/letter is included in Appendix C.)

B. All new backflow protection required at or for service connections from the CWS shall conform to, or comply with, the following standards:

- New dual check devices (DuCs) shall conform to the latest edition of American Society of Sanitary Engineering (ASSE) Standard 1024 or Canadian Standards Association (CSA) Standard B64.6 or B64.6.1.
- New double check valve assemblies shall conform to the latest edition of ASSE Standard 1015, American Water Works Association (AWWA) Standard C510, or CSA Standard B64.5.
- New double check detector assemblies shall conform to the latest edition of ASSE Standard 1048.
- New pressure vacuum breaker assemblies shall conform to the latest edition of ASSE Standard 1020 or CSA Standard B64.1.2.
- New reduced-pressure principle assemblies shall conform to the latest edition of ASSE Standard 1013, AWWA Standard C511, or CSA Standard B64.4.
- New reduced-pressure principle detector assemblies shall conform to the latest edition of ASSE Standard 1047.
- New air gaps shall comply with the latest edition of American Society of Mechanical Engineers Standard A112.1.2.

Additionally, all new customer-owned backflow preventers required at or for dedicated fire service connections from the CWS shall be listed by a nationally recognized testing laboratory, such as Underwriters Laboratories, Inc., or Factory Mutual, Inc., pursuant to Chapter 633, Florida Statutes.

New DuCs required at or for service connections from the CWS will be installed immediately downstream of the water meter and in the meter box. All other backflow protection required at or for service connections from the CWS shall be installed downstream from, and within five feet after, the CWS's water meter box or the customer's property line unless a deviation is approved by the CWS. The CWS will consider, and may approve, on a case-by-case basis deviations requested and justified in writing; but in no case shall there be any outlet, tee, tap, or connection of any type to or from the water piping between the water meter, or property line, and the required backflow protection.

All new backflow protection required at or for service connections from the CWS shall be installed in accordance with the manufacturer's instructions and the installation criteria in American Water Works Association Manual of Water Supply Practices—M14, Third Edition, *Recommended Practice for Backflow Prevention and Cross-Connection Control*. Installation criteria in the third edition of M14 are reproduced in Appendix B. Additionally, all new customer-owned backflow preventers required at or for dedicated fire service connections from the CWS shall be installed in accordance with applicable National Fire Protection Association standards adopted in Chapter 69A-3, Florida Administrative Code, and all other new customer-owned backflow protection required at or for service connections from the CWS shall be installed in accordance with the latest edition of the *Florida Building Code*.

C. All air gaps (AGs) required at or for service connections from the CWS shall be inspected at least annually. Persons inspecting AGs required at or for service connections from the CWS shall be a certified or registered plumbing contractor or shall be a backflow preventer tester holding a current certification from one of the following organizations or schools:

- The American Backflow Prevention Association;
- The American Society of Sanitary Engineering;
- The American Water Works Association;
- The Florida Water and Pollution Control Operators Association;
- The University of Florida Center for Training, Research, and Education for Environmental Occupations; or
- Any other organization or school approved in writing by the CWS.

D. All backflow preventer assemblies (i.e., double check valve assemblies and double check detector assemblies; pressure vacuum breaker assemblies; and reduced-pressure principle assemblies and reduced-pressure principle detector assemblies) required at or for non-residential service connections from the CWS shall be tested after installation or repair and at least annually thereafter and shall be repaired if they fail to meet performance standards. All backflow preventer assemblies required at or for residential service connections from the CWS shall be tested after installation or repair and at least biennially (once every two years) thereafter

and shall be repaired if they fail to meet performance standards. Residential service connections are service connections, including dedicated irrigation or fire service connections, that are two inches or less in diameter and that supply water to a building, or premises, containing only dwelling units; all other service connections are non-residential service connections.

Persons testing backflow preventer assemblies required at or for dedicated fire service connections from the CWS shall be a certified Fire Protection System Contractor I or II pursuant to Chapter 633, Florida Statutes. Persons testing backflow preventer assemblies required at or for all other service connections from the CWS shall be a certified or registered plumbing contractor or shall be a backflow preventer tester holding a current certification from one of the following organizations or schools:

- The American Backflow Prevention Association;
- The American Society of Sanitary Engineering;
- The American Water Works Association;
- The Florida Water and Pollution Control Operators Association;
- The University of Florida Center for Training, Research, and Education for Environmental Occupations; or
- Any other organization or school approved in writing by the CWS.

Backflow preventer assemblies required at or for service connections from the CWS shall be tested using the procedures in one of the following standards or manuals:

- The latest edition of American Society of Sanitary Engineering Standards 5013, 5015, 5020, 5047, and 5048;
- The latest edition of Canadian Standards Association Standard B64.10.1;
- The latest edition of *Backflow Prevention: Theory & Practice* by the University of Florida Center for Training, Research, and Education for Environmental Occupations;
- The latest edition of the *Manual of Cross-Connection Control* by the University of Southern California Foundation for Cross-Connection Control and Hydraulic Research Center; or
- Any other standard or manual approved in writing by the CWS.

Testing equipment used to test backflow preventer assemblies required at or for service connections from the CWS shall be verified/calibrated at least annually in accordance with the equipment manufacturer's recommendations.

E. All dual check devices (DuCs) required at service connections from the CWS shall be refurbished or replaced every 8 years or at a lesser frequency if the CWS determines and documents that the lesser frequency is appropriate based on data from spot-testing DuCs at service connections or based on data from backflow sensing meters at service connections.

<u>Component IV:</u> ***The CWS's procedures for evaluating customers' premises to establish the category of customer and the backflow protection being required at or for the service connection(s) from the CWS to the customer.***

A. The CWS will evaluate the customer's premises at a newly constructed service connection before the CWS begins supplying water to the service connection.

B. The CWS will evaluate the customer's premises at an existing—i.e., previously constructed—service connection whenever any of the following events occur:
   - Whenever the customer connects to a reclaimed water distribution system. The CWS will coordinate with the reclaimed water supplier to ensure that reclaimed water service is not turned on until appropriate backflow protection is provided at the potable water service connection.
   - Whenever an auxiliary water system is discovered on the customer's premises.
   - Whenever a prohibited or inappropriately protected cross-connection is discovered on the customer's premises.
   - Whenever the customer's premises is altered under a building permit in a manner that could change the backflow protection required at or for a service connection to the customer. The CWS will coordinate with the local building department so the CWS will know when building permits are being applied for or issued.

C. To evaluate the customer's premises at a service connection from the CWS, the CWS will use "a water use questionnaire" and, if necessary, will also review construction plans or conduct an on-site inspection. ("Water use questionnaire" forms are included in Appendix C.)

<u>Component V:</u> ***The CWS's procedures for maintaining CCC program records.***

A. The CWS will maintain, in either electronic or paper format, a current inventory of all backflow protection required at or for service connections from the CWS. The inventory will include the following for each service connection where backflow protection is required:

   - The service connection number or other identification number used by the CWS;
   - The service connection address;
   - The service connection category (i.e., non-residential or residential) and subcategory (standard, dedicated irrigation, or dedicated fire);
   - The location of the backflow protection at/for the service connection;
   - The type of hazard isolated (i.e., the category of customer);

- The date when backflow protection was initially installed at or for the service connection;
- The type of current backflow protection (i.e., air gap, reduced-pressure principle assembly, reduced-pressure principle detector assembly, pressure vacuum breaker assembly, double check valve assembly, double check detector assembly, or dual check device [DuC]);
- If the type of current backflow protection is a backflow preventer assembly, the size, manufacturer, model, serial number, and date installed; and
- If the type of backflow protection is a DuC, the size, manufacturer, model, date installed, and if any DuC is refurbished (instead of replaced), the date refurbished.

B. The CWS will maintain, in either electronic or paper format, records of the installation, inspection/testing, and repair of all backflow protection required at or for service connections from the CWS.

   The inventory described in Component V.A. will include the date when backflow protection was initially installed at or for any service connection where backflow protection is required. Also, the inventory described in Component V.A. will include the date when any current backflow preventer assembly or any current dual check device (DuC) was installed. Furthermore, if any DuC is refurbished (instead of replaced), the inventory described in Component V.A. will include the date the DuC was refurbished.

   Records of the inspection of air gaps (AGs) required at or for service connections from the CWS will be maintained by keeping either an electronic or paper copy of AG inspection reports. (An AG inspection report form is included in Appendix C.) Records of the testing and repair of backflow preventer assemblies required at or for service connections from the CWS will be maintained by keeping either an electronic or paper copy of backflow preventer assembly testing and repair reports. (A backflow preventer assembly testing and repair report form is included in Appendix C.) All AG inspection reports and all backflow preventer assembly testing and repair reports will be kept for not less than 10 years.

C. The CWS will prepare and submit CCC program annual reports. The first annual report will cover calendar year 2016, and subsequent annual reports will cover each calendar year thereafter. Each annual report will be prepared using the latest version of Form 62-555.900 (13), Cross-Connection Control Program Annual Report. Each annual report will be submitted to the appropriate Department of Environmental Protection district office or Approved County Health Department within three months after the end of the calendar year covered by the report.

Program Administration Documents

Appendix C contains forms and notices/letters used to administer the CCC program.

The CWS will notify in writing each customer who owns an air gap (AG) or backflow preventer assembly required at or for a service connection and will request that the customer have the AG inspected or backflow preventer assembly tested. Notices/letters will be delivered at least 30 days before the due date of the inspection or test. Notices/letters will specify that the inspection or test report must be returned to the CWS within 60 days after the date of the notice/letter.

Appendix A

RESOLUTION NO. [insert resolution number]

A RESOLUTION OF THE TRADEWINDS VILLAGE WTP ESTABLISHING A CROSS-CONNECTION CONTROL PROGRAM

WHEREAS, a community water system is responsible for supplying its customers with water that meets federal and State drinking water standards;

WHEREAS, a community water system is responsible for the protection of its water distribution system from contamination or pollution due to backflow of contaminants or pollutants through water service connections; and

WHEREAS, Rule 62-555.360, Florida Administrative Code, requires that each community water system shall establish and implement a cross-connection control program utilizing backflow protection at or for service connections in order to protect the community water system from contamination caused by cross-connections on customer's premises.

NOW, THEREFORE, BE IT RESOLVED BY THE TRADEWINDS VILLAGE WTP:

Component II in the Cross-Connection Control Program Plan for the Tradewinds Village WTP, dated January 28, 2023, shall establish where backflow protection at or for service connections is mandatory.

Component III in the Cross-Connection Control Program Plan for the Tradewinds Village WTP, dated January 28, 2023, shall establish requirements regarding ownership, installation, inspection/testing, and maintenance of mandatory backflow protection at or for service connections.

Upon the effective date of this resolution, all prior and conflicting resolutions, or parts of resolutions, establishing a cross-connection control program, or parts of a cross-connection control program, shall be repealed, rescinded, superseded, and replaced by this resolution.

This resolution shall become effective January 28, 2023.

PASSED AND ADOPTED by the Tradewinds Village WTP on the 28th day of January 2023.

Tradewinds Village WTP

By: 

Appendix B

Installation Criteria for a Dual Check Device (DuC)

- A DuC must be installed in the orientation as it was approved by the testing agency.
- A DuC must not be subjected to conditions that would exceed its maximum working water pressure and temperature rating. The increased pressure that can happen from creation of a closed system also must be evaluated because excessive pressure can damage the device or other plumbing components.
- A DuC should be sized hydraulically, taking into account both volume requirements and pressure loss through the device.
- A pipeline should be thoroughly flushed before a DuC is installed to ensure that no dirt or debris is delivered into the device because dirt or debris might adversely affect the DuC's working abilities.
- A DuC shall be installed where it can be inspected or replaced as necessary.

Installation Criteria for a Double Check Valve Assembly (DC) or Double Check Detector Assembly (DCDA)

- A DC or DCDA must be installed in the orientation as it was approved by the testing agency with no field modifications allowed.
- A DC or DCDA must not be subjected to conditions that would exceed its maximum working water pressure and temperature rating. The increased pressure that can happen from the creation of a closed system also must be evaluated to prevent damage to the assembly or other plumbing-system components.
- A DC or DCDA shall be sized hydraulically, taking into account both volume requirements and pressure loss through the assembly.
- A DC or DCDA should not be installed in a pit or below grade when possible. If the DC or DCDA must be installed in a vault, adequate space for testing and maintenance must be provided. If the DC or DCDA must be installed below grade, the test cocks shall be sealed or plugged so water or debris cannot collect in the test cock.
- A pipeline should be thoroughly flushed before a DC or DCDA is installed to ensure that no dirt or debris is delivered to the assembly because dirt or debris might adversely affect the assembly's working abilities.
- A DC or DCDA shall be installed a minimum of 12 inches above the surrounding grade and floodplain. The installation shall not be installed where platforms, ladders, or lifts are required for access. If an assembly must be installed higher than 5 feet above grade, a permanent platform shall be installed around the assembly to provide access for workers.
- A DC or DCDA shall be installed where it can be easily field-tested and repaired as necessary. The assembly shall have adequate clearance around it to facilitate testing, disassembly, and assembly of the DC or DCDA.
- If a DC or DCDA must be subjected to environmental conditions that could freeze or heat the assembly beyond working temperatures, some means of protection should be installed to provide the correct temperature environment in and around the assembly.

Installation Criteria for a Pressure Vacuum Breaker Assembly (PVB)

- A PVB must be installed in the orientation as it was approved by the testing agency.
- A PVB must not be subjected to conditions that would exceed its maximum working water pressure and temperature rating. The increased pressure that can happen from the creation of a closed system also must be evaluated because a PVB cannot be exposed to backpressure.
- A PVB shall not be installed where it is subjected to backpressure.
- A PVB should be sized hydraulically, taking into account both volume requirements and pressure loss through the assembly.
- A pipeline should be thoroughly flushed before a PVB is installed to ensure that no dirt or debris is delivered into the assembly because dirt or debris might affect the PVB's working abilities.
- A PVB must not be installed in a pit or below grade where the air inlet could become submerged in water or where fumes could be present at the air inlet because this installation might allow water or fumes to enter the assembly.
- A PVB shall be installed a minimum of 12 inches above the highest point of use and any downstream piping supplied from the assembly. The installation should not be installed where platforms, ladders, or lifts are required for access. If an assembly must be installed higher than 5 feet above grade, a permanent platform should be installed around the assembly to provide access for workers.
- A PVB shall be installed where it can be easily field-tested and repaired as necessary. The assembly shall have adequate clearance around it to facilitate disassembly, repairs, testing, and other maintenance.
- A PVB may periodically discharge water from the air inlet. The effect of this discharge on the area around the assembly must be evaluated.
- If a PVB must be subjected to environmental conditions that could freeze or heat the assembly beyond its working temperatures, some means of protection should be installed to provide the correct temperature environment in and around the assembly.

Installation Criteria for a Reduced-Pressure Principle Assembly (RP) or Reduced-Pressure Principle Detector Assembly (RPDA)

- An RP or RPDA must be installed in the orientation as it was approved by the testing agency.
- An RP or RPDA must not be subjected to conditions that would exceed its maximum working water pressure and temperature rating. The increased pressure that can occur because of the creation of a closed system also must be evaluated because excessive backpressure can damage the assembly or other plumbing components.
- An RP or RPDA should be sized hydraulically, taking into account both volume requirements and pressure loss through the assembly.
- A pipeline should be thoroughly flushed before an RP or RPDA is installed to ensure that no dirt or debris is delivered into the assembly because dirt or debris might adversely affect the assembly's working abilities.
- An RP or RPDA must not be installed in a pit or below grade where the relief valve could become submerged in water or where fumes could be present at the relief-valve discharge because this installation might allow water or fumes to enter the assembly.
- An RP or RPDA shall be installed a minimum of 12 inches above the relief-valve discharge-port opening and the surrounding grade and floodplain. The installation should not be installed where platforms, ladders, or lifts are required for access. If an assembly is installed higher than 5 feet above grade, a permanent platform should be installed around the assembly to provide access for workers.
- An RP or RPDA shall be installed where it can be easily tested and repaired as necessary. The assembly shall have adequate clearance around it to facilitate disassembly, repairs, testing, and other maintenance.
- An RP or RPDA might periodically discharge water from the relief valve. The effect of this discharge from the relief valve around the assembly must be evaluated. If the RP or RPDA discharge is piped to a drain, an air-gap separation must be installed between the relief-valve discharge opening and the drain line leading to the drain.
- If an RP or RPDA must be subjected to environmental conditions that could freeze or heat the assembly beyond its working temperatures, some means of protection should be installed to provide the correct temperature environment in and around the assembly.

Air Gap Description

- An air gap is a piping arrangement that provides an unobstructed vertical distance through free atmosphere between the lowest point of a water supply outlet and the overflow rim of an open, nonpressurized receiving vessel into which the outlet discharges.
- These vertical separations must be at least twice the effective opening (inside diameter) of the water supply outlet but never less than 1 inch.
- In locations where the outlet discharges within three times the inside diameter of the pipe from a single wall or other obstruction, the air gap must be increased to three times the effective opening but never less than 1.5 inches.
- In locations where the outlet discharges within four times the inside diameter of the pipe from two intersecting walls, the air gap must be increased to four times the effective opening but never less than 2 inches.
- Air gaps should not be approved for locations where there is potential for the atmosphere around the air gap to be contaminated nor should the inlet pipe be in contact with a contaminated surface or material.

Appendix C

"Water Use Questionnaire" for Non-Residential Service Connections

Public Water System (PWS) No. 3424620 PWS Name Tradewinds Village WTP
Customer's Name/Address: _____

_____

Customer's Phone No: _____
Service Connection Number(s): _____
Service Connection Address: _____

Description of Customer's Business or Premises at Service Connection Address: _____

_____

_____

Is your business or premises in one or more of the following categories (check all that apply)?

Beverage processing plant, including any brewery	
Cannery, packing house, rendering plant, or any facility where fruit, vegetable, or animal matter is processed, excluding any premises where there is only a restaurant or food service facility	
Chemical plant or facility using water in the manufacturing, processing, compounding, or treatment of chemicals, including any facility where a chemical that does not meet the requirements in Rule 62-555.320(3)(a), F.A.C., is used as an additive to the water	
Dairy, creamery, ice cream plant, cold-storage plant, or ice manufacturing plant	
Dye plant	
Film laboratory or processing facility or film manufacturing plant, excluding any small, noncommercial darkroom facility	
Hospital; medical research facility; sanitarium; autopsy facility; medical, dental, or veterinary clinic where surgery is performed; or plasma center	
Laboratory, excluding any laboratory at an elementary, middle, or high school	
Laundry (commercial), excluding any self-service laundry or Laundromat	
Marine repair facility, marine cargo handling facility, or boat moorage	
Metal manufacturing, cleaning, processing, or fabricating facility using water in any of its operations or processes, including any aircraft or automotive manufacturing plant	
Mortuary	
Premises where oil or gas is produced, developed, processed, blended, stored, refined, or transmitted in a pipeline or where oil or gas tanks are repaired or tested, excluding any premises where there is only a fuel dispensing facility	
Premises where there is an auxiliary or reclaimed water system	
Premises where there is a cooling tower	
Premises where there is an irrigation system that is using potable water and that is connected directly to the PWS's distribution system via a dedicated irrigation service connection	
Premises where there is a wet-pipe sprinkler, or wet standpipe, fire protection system that is using potable water and that is connected directly to the PWS's distribution system via a dedicated fire service connection	
Radioactive material processing or handling facility or nuclear reactor	
Paper products plant using a wet process	
Plating facility, including any aircraft or automotive manufacturing plant	
Restricted-access facility	
Steam boiler plant	
Tall building—i.e., a building with five or more floors at or above ground level	
Wastewater treatment plant or wastewater pumping station	

Customer Representative's Signature: _____ Date: _____
Customer Representative's Printed Name: _____

"Water Use Questionnaire" for Residential Service Connections

Public Water System No. 3424620
Public Water System Name Tradewinds Village WTP
Customer's Name/Address: _____

_____

Customer's Phone No: _____
Service Connection Number(s): _____
Service Connection Address: _____

Does your premises have one or more of the following (check all that apply)?

An auxiliary or reclaimed water system*	
An irrigation system that is using potable water and that is connected directly to the PWS's distribution system via a separate, dedicated irrigation service connection	
A wet-pipe sprinkler, or wet standpipe, fire protection system that is using potable water and that is connected directly to the PWS's distribution system via a separate, dedicated fire service connection	

* "Auxiliary water system" means a pressurized system of piping and appurtenances using auxiliary water, which is water other than the potable water being supplied by the public water system and which includes water from any natural source such as a well, pond, lake, spring, stream, river, etc., and includes reclaimed water; however, "auxiliary water system" specifically excludes any water recirculation or treatment system for a swimming pool, hot tub, or spa. (Note that reclaimed water is a specific type of auxiliary water and a reclaimed water system is a specific type of auxiliary water system.)

Customer's Signature: _____ Date: _____
Customer's Printed Name: _____

Air Gap Inspection Report

Public Water System (PWS) No.: 3424620
PWS Name: Tradewinds Village WTP
Customer's Name/Address: _____

_____

Service Connection No.: _____
Service Connection Address: _____
Service Connection Category: non-residential ☐ residential ☐
Service Connection Subcategory: standard ☐ irrigation ☐ fire ☐
Location of Air Gap at/for Service Connection: _____

Comments:

I certify that the air gap at/for the above identified service connection complies with the requirements of the above identified PWS and has not been bypassed or otherwise been made ineffective.
Inspector's Signature: _____ Date: _____
Inspector's Printed Name: _____
Inspector's Qualification:* _____

* The inspector's plumbing contractor certification or registration number or the inspector's backflow preventer tester certification organization and number.

Backflow Preventer Assembly (BPA) Testing and Repair Report

Public Water System (PWS): No. 3424620 Name: Tradewinds Village WTP
Customer Name/Address: _____
Service Connection (SC): No.: _____ Address: _____
SC: Category: non-residential ☐ residential ☐ Subcategory: standard ☐ irrigation ☐ fire ☐
Location of BPA at/for SC: _____
BPA: Type: DC ☐ DCDA ☐ PVB ☐ RP ☐ RPDA ☐ Size: _____
BPA: Manufacturer: _____ Model: _____ Serial No. _____
Detector Assembly Water Meter Reading: Before Test: _____ After Test: _____

	Reduced-Pressure Principle Assembly / Double Check Valve Assembly			
	Check Valve #1	**Check Valve #2**	**Relief Valve**	**PVB**
Initial Test Pass ☐ Fail ☐	Closed Tight ☐ _____ PSID Leaked ☐	Closed Tight ☐ _____ PSID Leaked ☐	Opened at _____ PSID Did Not Open ☐	**Air Inlet:** Opened at _____ PSID Did Not Open ☐ **Check Valve:** Held at _____ PSID Leaked ☐
Repair	☐ Cleaned ☐ Replaced following:	☐ Cleaned ☐ Replaced following:	☐ Cleaned ☐ Replaced following:	☐ Cleaned ☐ Replaced following:
Final Test Pass ☐ Fail ☐	Closed Tight ☐ _____ PSID	Closed Tight ☐ _____ PSID	Opened at _____ PSID	**Air Inlet:** Opened at _____ PSID **Check Valve:** Held at _____ PSID

Comments:

Initial Test

I certify that I used testing procedures meeting the requirements of the above identified PWS.
Tester's Signature: _____ Date: _____
Tester's Printed Name: _____
Tester's Qualification:* _____
Tester's Gauge: Manufacturer: _____ Model: _____
Serial No.: _____ Date of Last Verification/Calibration: _____

Repair

Repairer's Signature: _____ Date: _____
Repairer's Printed Name: _____

Final Test

I certify that I used testing procedures meeting the requirements of the above identified PWS.
Tester's Signature: _____ Date _____
Tester's Printed Name: _____
Tester's Qualification:*: _____
Tester's Gauge: Manufacturer: _____ Model: _____
Serial No.: _____ Date of Last Verification/Calibration: _____

* For any assembly at a dedicated fire service connection, the tester's Fire Protection System Contractor I or II certification number; for any other assembly, the tester's plumbing contractor certification or registration number or the tester's backflow preventer tester certification organization and number.

Notice/Letter To A Customer Advising the Customer to Install Thermal Expansion Control if the Customer's Plumbing System Incudes Storage Water Heating Equipment but Does Not Include Thermal Expansion Control

[Insert date]

[Insert Customer Name]
[Insert Customer Street Address]
[Insert Customer City, State, and Zip Code]

RE: [Insert service connection number]
[Insert service connection address]

Dear [Insert Customer Name]:

As required by Rule 62-555.360, Florida Administrative Code, the Tradewinds Village WTP has established, and is implementing, a cross-connection control (CCC) program utilizing backflow protection at or for service connections from the water system in order to protect the water system from contamination caused by cross-connections on customers' premises. Under our CCC program, we will install a backflow preventer in the meter box at the above referenced service connection.

This letter is to advise you that you might need to have thermal expansion control installed in the plumbing system connected to the above referenced service connection. When water is heated, it expands and requires more volume; this is called thermal expansion. A backflow preventer installed at a service connection will stop heated water in the customer's plumbing system from expanding back into the public water system; the backflow preventer creates what is called a closed plumbing system at the customer's premises. Thermal expansion in a closed plumbing system will cause an increase in pressure in the system. The increased pressure usually causes the temperature and pressure relief (T&P) valve on a water heater tank to open and discharge water from the water heater tank. But a T&P valve is not intended to be used for routine thermal expansion control, and if a T&P valve fails, the water heater tank might explode.

The current *Florida Building Code* requires that thermal expansion control shall be installed in closed plumbing systems using a water heater tank. **If your plumbing system includes a water heater tank but does not include thermal expansion control, you are advised to have thermal expansion control installed in your plumbing system within 60 days of the date of**

this letter. We recommend you consult with a certified or registered plumbing contractor to determine the best solution for your specific needs.

If you have any questions, please contact me at 352-661-8952 or randkenvironmental@outlook.com.

Sincerely,

Reuben Law - Operator

Notice/Letter to a Customer Requesting Installation of a Backflow Preventer at or for a Service Connection

[Insert date]

[Insert Customer Name]
[Insert Customer Street Address]
[Insert Customer City, State, and Zip Code]

RE: [Insert service connection number]
[Insert service connection address]
[Insert service connection category and subcategory]

Dear [Insert Customer Name]:

As required by Rule 62-555.360, Florida Administrative Code, the Tradewinds Village WTP has established, and is implementing, a cross-connection control (CCC) program utilizing backflow protection at or for service connections from the water system in order to protect the water system from contamination caused by cross-connections on customers' premises. Under our CCC program, we have evaluated the above referenced service connection and the premises served by the connection, and we have determined backflow protection is required at or for the connection because [insert "it is a dedicated irrigation service connection", "it is a dedicated fire service connection", or "it serves premises in the following category: …"].

This letter is to request you have a [insert the minimum type of backflow preventer required] [insert "(or a more protective backflow preventer)" unless the minimum type of backflow preventer required is a reduced-pressure principle assembly or reduced-pressure principle detector assembly] installed at or for the above referenced water service connection within 60 days after the date of this letter. The backflow preventer must be installed in accordance with the requirements in our CCC Program Plan. An appropriately certified fire protection system contractor must install backflow protection at or for a fire service connection. We recommend you consult with a certified or registered plumbing contractor regarding installation of other backflow protection.

The new backflow preventer must be tested immediately after it is installed. The testing must be conducted by an appropriately certified fire protection system contractor if the new backflow preventer is installed at or for a fire service connection; otherwise, the testing must be conducted by a certified or registered plumbing contractor or by a backflow preventer tester holding a current certification from. **The enclosed Backflow Preventer Assembly Testing and Repair Report form must be completed**

by the backflow preventer tester and returned to us at the letterhead address within 60 days after the date of this letter.

If you have any questions, please contact me at 352-661-8952 or randkenvironmental@outlook.com.

Sincerely,

Reuben Law - Operator

Enclosures: Ocala Backflow and Fire Sprinkler, LLC
Backflow Preventer Assembly Testing and Repair Report Form

Notice/Letter to a Customer Requesting Testing of a Backflow Preventer Assembly at or for a Service Connection

[Insert date]

[Insert Customer Name]
[Insert Customer Street Address]
[Insert Customer City, State, and Zip Code]

RE: [Insert service connection number]
[Insert service connection address]

Dear [Insert Customer Name]:

As required by Rule 62-555.360, Florida Administrative Code, the Tradewinds Village WTP has established, and is implementing, a cross-connection control (CCC) program utilizing backflow protection at or for service connections from the water system in order to protect the water system from contamination caused by cross-connections on customers' premises. Under our CCC program, a customer-owned backflow preventer assembly has been installed at or for the above referenced water service connection, and [insert "annual" or "biennial"] testing of the assembly is required to ensure that it is functioning properly.

This letter is to request you now arrange for the [insert "annual" or "biennial"] testing of the customer-owned backflow preventer assembly that is installed at or for the above referenced water service connection and that is described on the enclosed Backflow Preventer Assembly Testing and Repair Report form. The testing must be conducted by a certified Fire Protection System Contractor I or II if the enclosed report form indicates that the assembly is at a fire service connection; otherwise, the testing must be conducted by a certified or registered plumbing contractor or by a backflow preventer tester holding a current certification from Ocala Backflow and Fire Sprinkler, LLC

If the testing discloses the assembly is not functioning properly, please have the necessary repairs made and have the assembly retested. **The enclosed testing and repair report form must be completed by the backflow preventer tester(s), and by the backflow preventer repairer if**

repairs are made, and returned to us at the letterhead address within 60 days after the date of this letter.

If you have any questions, please contact me at 352-661-8952 or randkenvironmental@outlook.com.

Sincerely,

Reuben Law - Operator

Enclosures: Backflow Preventer Assembly Testing and Repair Report Form
Ocala Backflow and Fire Sprinkler, LLC

Emergency Response Plan

For Public Drinking Water Systems

Per Chapter 62-555.350 (15) F.A.C.

Disaster Specific Preparedness / Response Plan

Water System: Tradewinds Village WTP

Street Address: NE 43rd Place and 27th Court

City, State, Zip: Ocala, FL 34478

Phone: 352-661-8952

Fax:

Contact: Reuben Law

E-mail: randkenvironmental@outlook.com

Number Connections: 375

PWS: 3424620

County: Marion

Date: January 28, 2023

Department of Environmental Protection
Ken C. Carter, P.E.
John R. Sowerby, P.E.

FRWA Security Staff
Sterling L. Carroll, P.E.
Don Hamm
Tom Gustafson
Bill Secoy

For more information or additional copies of this document contact:

FLORIDA RURAL WATER ASSOCIATION
2970 Wellington Circle ~ Suite 101 ~ Tallahassee FL 32309
Telephone: 850-668-2746 ~ Fax: 850-893-4581
e-mail: FRWA@frwa.net

Table of Contents

		Page
Section 1	Communication Charts	3
Section 2	Written Agreements With Other Agencies, Utilities, or Response Organizations	5
Section 3	Disaster-Specific Preparedness/Response Plan	5
Section 4	Standby Power Requirements	10
Section 5	Drinking Water Treatment Chemicals & Disinfectants	10

Requirements For Emergency Response Plans

This worksheet has been developed to help you prepare your Emergency Response Plan.

Chapter 62-555.350 (15) of the Florida Administration Code (FAC) requires that Community Water Systems serving 350 or more persons or 150 or more service connections to develop a written **Disaster-Specific Preparedness / Response Plan** (a.k.a. Emergency Response Plan or ERP) and shall update and implement the plan as necessary.

Plans are to be coordinated with Local Emergency Planning Committee and Florida Department of Law Enforcement Regional Security Task Force when developing emergency plans and shall include.

(a) Communication Charts
(b) Written Agreements with Other Agencies, Utilities, or Response Organizations
(c) A disaster-specific preparedness/response plan shall incorporate the results of a Vulnerability Assessment for each of the following disasters:
- Vandalism or Sabotage
- Drought
- Hurricane
- Structure Fire
- Flood, if applicable
- Forest or Brush Fire
- Hazardous Material Release

(d) Standby Power Requirements
(e) Recommendations regarding the amount of Drinking Water Treatment Chemicals

Section 1 - Communication Charts

Water System Chain of Command – Lines of Authority		
Order	**Name, Title & Responsibilities**	**Contact Information**
1	**Water System Manager (WSM)** *Responsible for overall management and decision-making. The Water System Manager is the lead for managing the emergency, coordinating with support agencies, and providing information to regulatory agencies.*	Phone: Cell: 352-208-4021 Email: debbie@alternativephone.com
2	**Water Treatment Plant Operator (WTPO)** *In charge of running water treatment plant, performing inspections, maintenance and sampling and relaying critical information, assessing facilities, and providing recommendations to the Water System Manager.*	Phone: Cell:352-661-8952 Email: randkenvironmental@outlook.com
3	**Office Administrator** *Responsible for administrative functions in the office including receiving phone calls and keeping a log of events. This person will provide a standard pre-scripted message to those who call with general questions. Additional information will be released through the Water System Manager.*	Phone: Cell: Email:
4	**Maintenance Staff** *Delivers door hangers and assists water system operator.*	Phone: Cell: 352-208-4509 Email:

Emergency Notification List

We recommend that you establish a relationship with these agencies before you need them!

Organization or Department	Name & Position	Telephone	Cell Phone	e-mail
State Warning Point	**Duty Officer**	**800-320-0519**	**800-320-0519**	N/A
Local Law Enforcement	Marion Sheriff's Office	352-732-8181		
Fire Department	Marion Co. Fire Dept.	352-438-2300		
Emergency Medical Services	Marion County	911		
Water Operator (if contractor)	Reuben Law		352-661-8952	randkenvironmental@outlook.com
County Health Department	Marion County	352-629-0137		
DEP District Office	Central District	407-897-4114		
County Emergency Management Dept.				
Local Leader (City Mgr., Mayor, Commission Chair, Dept Head, etc.)				

Emergency Notification List

We recommend that you establish a relationship with these agencies before you need them!

Organization or Department	Name & Position	Telephone	Cell Phone	e-mail
Hazmat Team / Hotline				
National Spill Response Center	Duty Officer	800-424-8802	800-424-8802	N/A
Interconnected Water System(s)				
Neighboring Water System (not connected)				
FRWA Water Circuit Rider	Donny Morrison	850-668-2746	N / A	

Priority Customers

Organization Or Department	Name & Position	Telephone	Cell Phone	email
Hospital / Clinic				
Nursing Home(s)				
Public Schools				
Private Schools				
WW Treat Plant				

Service / Repair Notifications

Organization Or Department	Name & Position	Telephone	Cell Phone	email
Electric Utility Co				
Water Test Lab	Aqua Pure Labs	352-355-2383		
Telephone Co				
Pump Supplier				
Safe Dig / One Call				
Rental Equip				
Chlorine Supplier	Custom Controls	800-537-9633		
Chem Suppliers				
Bulk / Bottled Water				

Designated Public Spokesperson

Public Spokesperson	Name & Position	Telephone	Cell Phone
Spokesperson	Debbie Dillon		352-208-4021

Develop possible messages in advance, and update them as the emergency develops (Boil Water Notices, Emergency Water Outages, Emergency Conservation Measures, Water Quality Issues, etc.)

Section 2 - Written Agreements With Other Agencies, Utilities, or Response Organizations

- ❑ **Emergency Interconnect Agreements**
- ❑ **Memoranda / Letters of Understanding**
- ❑ **Mutual Aid Agreements**
- ❑ **FlaWARN** (Agreement is available at: www.flaWARN.org)

Section 3 - Disaster-Specific Preparedness / Response Plan

Vulnerability Assessment

It is essential that water systems identify and assess the vulnerability of each system component for both natural and human-caused emergencies, before preparing their disaster-specific preparedness/response plans, see ERP Guide pages 17 thru 20.

The table below is a basic vulnerability assessment method for a water system. Provide appropriate answers for each component of your system, and you will have completed a vulnerability assessment. Note that "Security improvements" INCLUDES your existing security measures, such as the concrete pad around each wellhead, fences, buildings, locks on gates, doors and windows; redundant pumps and motors, etc. ALSO: "Security Improvements" DOES NOT mean you are required to improve your existing security, it simply means that all security measures, planned or existing, should be listed.

Raw Water Source (check or circle items that apply ~ strikethrough items that do NOT apply)

Description & Condition	Groundwater Wells: # ___ is _____ feet deep; Well is located within _____ feet of developed areas # ___ is _____ feet deep; Well is located within _____ feet of developed areas # ___ is _____ feet deep; Well is located within _____ feet of developed areas # ___ is _____ feet deep; Well is located within _____ feet of developed areas. # ___ is _____ feet deep; Well is located within _____ feet of developed areas. ❑ Wells are in excellent / good / poor condition ❑ _____
Vulnerability	❑ The wells are most vulnerable to contamination from above ground activities because they are _____ feet deep. ❑ Potential contamination can occur from ground water point sources (septic tanks, leaking petroleum tanks, agricultural activities, commercial / industrial activities, etc.) ❑ _____
Security Improvements	❑ Implement wellhead protection program (ask FRWA Circuit Rider for assistance) ❑ Secure well houses to foundation and install lighting around well houses ❑ Wellheads are secured within locked fences or well houses ❑ Consider upgrading well house doors with deadbolts ❑ Consider purchasing additional land surrounding wells ❑ Average Daily Demand is provided by wells # ____ and # ____ (wells # ____ and # ____ provide standby capacity) ❑ _____

Pumping Facilities (check / circle items that apply ~ strikethrough items that do NOT apply)

Description & Condition	❑ The pump-house and pumping facilities are in excellent / good / poor condition X Good_____ ❑ _____
Vulnerability	X Pumps might be vulnerable to falling trees during major storms X Pumps could be damaged by intentional physical attack ❑ Pumps could be damaged by flooding
Security Improvements	X Pump-house has security fencing or lighting and is NOT prone to vandalism X Fencing, lighting, and signage protect against unauthorized entry ❑ Tamper-proof padlocks and harden entry points protect against unauthorized entry ❑ _____

Treatment Facilities (check or circle items that apply ~ strikethrough items that do NOT apply)

Description & Condition	X There is a chlorination system at each well / pump-house ❑ Treatment facilities are in excellent / good / poor operating condition ❑ _____
Vulnerability	❑ Chlorination systems are subject to power outages ❑ Gas chlorine release could cause injury or death to operators & public ❑ _____
Security Improvements	X Fencing, locks, lighting, and signage protect against unauthorized entry ❑ Stand-by generators provide operational security in compliance with Ch. 62-555.320(14) FAC X Sodium hypochlorite systems eliminate chlorine gas release risk

Storage Facilities (check or circle items that apply ~ strikethrough items that do NOT apply)

Description & Condition	X Storage facilities ARE fenced X Storage facilities are in good operating condition ❑ _____ ❑ _____
Vulnerability	❑ Vandals could access storage hatches ❑ _____
Security Improvements	X Fencing, locks, lighting, and signage protect against unauthorized entry ❑ Coordinate with local law enforcement for increased patrols ❑ Tamper-proof padlocks on hatches and ladder locks protect against unauthorized entry ❑ _____

Distribution System (check or circle items that apply ~ strikethrough items that do NOT apply)

Description & Condition	❑ System maps & computers are located in the water system's main office X Distribution System is in good operating condition ❑ We have an active Valve & Fire Hydrant Exercise and Flushing Program ❑ _____
Vulnerability	X The system is most vulnerable to cross connection contamination from contractors. ❑ The distribution system can be vulnerable to bio-terrorist attack ❑ _____
Security Improvements	❑ Computers secured with firewalls, virus protection, passwords, and back-up protection ❑ Main office security system guards against theft and vandalism ❑ Cross Connection Control Program protects against unintentional contamination ❑ Local law enforcement can assist monitoring for illegal water system connections ❑ _____

The following tables outline possible actions and procedures to be taken in response to specific events. TABLES A, B, C and D are REQUIRED. TABLES E, F and G are to be used IF THEY ARE APPLICABLE.

A. Vandalism or Sabotage Response Procedures

1. Utility staff first aware of incident:
   a) Calls Water System Manager
   b) Calls 9-1-1 / Local Law Enforcement
2. Water System Manager determines severity of incident, and calls:
   a) Mayor
   b) State Warning Point
3. Water System Manager determines need to contact others:
   a) County Emergency Management Director
   b) County Health Department
   c) others as needed
4. Water System Manager assesses damage and directs repairs as needed:
   a) Isolate components (if necessary)
   b) Minimize damage
   c) Repair facilities
5. Upon completion of repairs, Water System Manager returns system to normal:
   a) Reports findings to Mayor and others as needed
   b) Updates ERP as needed

B. Drought Response Procedures

1. Water System Manager coordinates with Mayor and Water Management District (WMD) regarding drought conditions
2. If necessary, Mayor meets with Commission regarding additional (more stringent than required by WMD) restrictions
3. Mayor directs Water System Manager to implement additional water use restrictions, if necessary
4. Water System Manager activates Customer Notification Plan
5. City Commission determines there is no further need for additional restrictions
6. Water System Manager returns system to normal by activating Customer Notification Plan
7. Water System Manager reports system status as needed
8. Water System Manager updates ERP as needed

C. Hurricane Preparedness & Response Procedures

Pre- Hurricane *(36 - 48 hrs prior to arrival)*	1. Water System Manager coordinates with Mayor and County Emergency Management regarding response to hurricane 2. Manager checks operation of auxiliary and standby equipment 3. Manager orders/ensures available fuel and treatment chemicals to provide for a fourteen (14) day period 4. Manager checks and replenishes inventory of spare parts, supplies; rain suits, flashlights, batteries, portable radios, hard hats, rubber boots, gloves, etc
Hurricane Watch *(24 -36 hrs prior to arrival)*	1. County Emergency Manager declares Emergency; 2. Mayor instructs Water System Manager to coordinate with Emergency Operations Center 3. Mayor cancels personal leave 4. Water System Manager issues work assignments and reporting protocol 5. Water System Manager authorizes employees to secure their personal property and arrange for safety of family members 6. Employee(s) top-off fuel in vehicles, stand-by and portable equipment 7. Water System Manager stops all construction in utility service area and advises contractors to secure their equipment/material

Hurricane Warning *(24 hrs or less prior to arrival)*	1. Personnel report to duty at designated location with protective gear, work clothing and personal gear for a four (4) day period 2. Water Treatment Plant Operator fills all water storage facilities to capacity 3. Employee(s) load trucks with supplies and equipment 4. Employee(s) follow evacuation protocol (directed by Emergency Management) a. Disconnect electrical power supply to treatment plant(s) and wells b. Store vehicles and equipment in designated area c. Enact system shutdown and evacuate to location as directed by Incident Commander
Recovery Procedures	Initiate upon receiving ***"All Clear"*** from Incident Commander: 1. Manager surveys damage and submits Damage Assessment Report to Mayor 2. Manager coordinates with County Emergency Management Dept and activates Customer Notification Plan, if necessary 3. Manager notifies FDEP of any limitations in ability to supply potable water 4. Manager and staff make all necessary repairs and take water samples as needed 5. Manager keeps detailed records of labor, material, rental and repair costs for FEMA reimbursement 6. Manager obtains FDEP approval to return to normal operation, if necessary 7. Manager returns system to normal operation 8. Manager activates Customer Re-notification Plan, if necessary 9. Manager reports water system information as needed 10. Manager updates ERP as needed

D. Structure Fire Response Procedures *(if your water plant catches fire)*

1. Utility staff discovering fire:
   a) Orders evacuation of the building
   b) Calls 9-1-1 to notify Fire Department and local Law Enforcement
   c) Calls Water System Manager
2. Water System Manager determines severity of incident, and calls:
   a) Mayor, who informs city commissioners (if necessary, calls for emergency meeting of Commission)
   b) State Warning Point
3. City Commission determines need to contact others:
   a) County Emergency Management Director
   b) County Health Department
   c) Others as needed
4. Manager directs staff to support Fire Department and other emergency staff, if needed
5. Manager and staff assess damage when fire extinguished
6. Manager and staff repair facilities as needed
7. Manager reports water system status, as required
8. Manager updates ERP, as needed

NOTE: *Use the following 3 tables ONLY if they are applicable to your system.*

E. Flood Preparedness & Response Procedures

Is any critical part of your system in a flood prone area? If so, then this table is required.

1. Water System Manager informed of flood conditions at WELL
2. Manager directs staff to operate water system without WELL for the duration of the flood event.
3. Once flood has receded, Water System Manager and staff assess flood damage.
4. Water System Manager and staff repair facilities as needed.
5. Manager directs staff to pump WELL until it is clear, and then takes samples for quality and bacteriological analysis.

6. Staff repeats step 3 until the well meets water quality standards.
7. Manager directs staff to return WELL to normal service protocol.
   Manager reports water system status, as required.
9. Manager updates ERP, as needed.

F. Forest or Brush Fire Response Procedures

Is any critical part of your system subject to forest or brush fire? If so, then this table is required.

1. Utility staff discovering fire at water plant:
   a. Orders evacuation of any threatened buildings
   b. Calls Water System Manager
   c. Calls 9-1-1 to notify Fire Department and local Law Enforcement
2. Water System Manager determines severity of fire, and calls:
   a. Mayor, also informs city commissioners (if needed, calls for emergency meeting of Commission)
   b. State Warning Point
3. City Commission determines need to contact others:
   a. County Emergency Management Director
   b. County Health Department
   c. Others as needed
4. Manager directs staff to support Fire Department and other emergency staff, if needed
5. Manager and staff assess damage when fire extinguished
6. Manager and staff repair facilities as needed
7. Manager reports water system status, as required
8. Manager updates ERP, as needed

G. Hazardous Material Release Response Procedures

EXAMPLE: Do you have any hazardous material (chlorine gas) at your water system?

1. Utility staff discovering chlorine leak/release orders evacuation of facility
2. Utility staff calls 9-1-1 and Water System Manager
3. Water System Manager calls:
   a. State Warning Point
   b. Mayor, who also informs commissioners (if needed, calls for emergency meeting of Commission)
4. Water System Manager ensures that staff is safe and aware of the situation
5. Fire Department Hazardous Materials Team (HAZMAT) determines severity of the leak & need to contact others:
   a. County Emergency Management Director
   b. County Health Department
   c. Others as needed
6. HAZMAT establishes “hot zone” perimeter and ensures that all unprotected people are kept outside of it
7. Manager ensures that any injured staff member is receiving proper care
8. Manager directs staff to support FDHMT and other emergency staff, if needed
9. HAZMAT locates source of Chlorine leak and stops it
10. HAZMAT measures Chlorine concentrations until all areas are safe for unprotected people
11. HAZMAT informs all parties of safe conditions
12. Manager and staff assess damage
13. Manager and staff repair facilities as needed
14. Manager reports water system status, as required
15. Manager updates ERP as needed

Section 4 - Standby Power Requirements

Include details about how the water system meets the standby power requirements as described in Ch. 62-555.320(14), and 62-555.350(15)(d) FAC.

Standby Power for Wells, Treatment & Distribution

Standby Power (or alternate means) OPERATE WELLS at Average Daily Demand

Average Daily Demand (ADD) in gpd or gpm	(gpd or gpm)
Wells Needed to Supply Average Daily Demand	(Well No & gpm)
Standby Generator for ADD (kW, Voltage & phases)	(kW, Volt, Phase)
Power Failure Transfer, Alarms & Notifications	
Generator Fuel Consumption	(gal per hour)
On-Site Fuel Storage (gallons)	(gal & days)
Reserve Fuel by Supplier Contract	(gal & days)

Section 5 - Chemicals & Disinfectants

Disinfection Treatment Information

Disinfection Chemicals	Chemical / Location No. 1	Chemical / Location No. 2	Chemical / Location No. 3
Type of Chemical	Sodium Hypochlorite		
Chemical Feed Type	Injector Pump		
Storage Location			
2-wks Min Storage (gal) Recommended			

Other Chemical Information

Chemicals Used	Chemical #1	Chemical #2	Chemical #3
Type of Chemical			
Chemical Feed Type			
System Location			
Storage Location			
2-wks Min Storage (gal) Recommended			

O & M Manual

and

Preventive Maintenance Logs

For Drinking Water Systems
Per Chapter 62-555.350 (2); (12) & (13) FAC
O&M Manual and Preventive Maintenance Logs

Water System:	Tradewinds Village WTP		
PWS ID:	3424620	No. Connections:	375
Street Address:	NE 43rd Place and 27th Court		
City, State, Zip:	Ocala, FL 34478		
Phone:	352-661-8952	Fax:	
Contact:	Reuben Law		
E-mail:	randkenvironmental@outlook.com		
Classification:	☐ X Community	☐ Non-Community	☐ NTNC
Source Water:	☐ X Ground	☐ Surface	☐ Purchased
Date Created:	January 28, 2023	Date Revised:	N/A

For more information or additional copies of this document contact:

Florida Rural Water Association
2970 Wellington Circle ~ Tallahassee FL 32309
Telephone: 850-668-2746 ~ Fax: 850-893-4581
e-mail: FRWA@frwa.net

This O&M Manual and Preventive Maintenance Log Guide was prepared by Florida Rural Water Association and reviewed by Florida Department of Environmental Protection.

Table of Contents

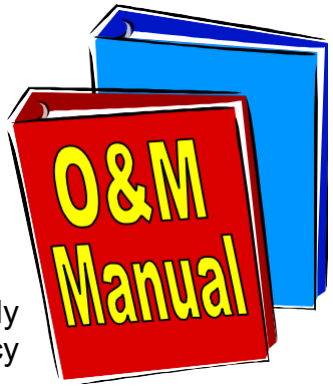
Section	Section Description	Page
Preface	**FDEP Requirements**	**3**
	Operation & Maintenance Manual Preventive Maintenance Log	
Section 1	**Maintenance Contacts List**	**4**
	Service / Repair Contacts	
Section 2	**Bound & Indexed Equipment Manufacturer Manuals**	**5**
	System Description & Major Equipment Source or Sources of Water (Wells) Types of Treatment Major Controls Storage & Distribution Features	
Section 3	**Preventive Maintenance Log**	**8**
	Recommended Daily Preventive Maintenance Recommended Weekly Preventive Maintenance Recommended Monthly Preventive Maintenance Preventive Maintenance Recommendations Suggested Preventive Maintenance Logs	
Appendices		
A	Emergency Response Plan *	**22**
B	Permits & Specific Conditions *	**23**
C	System Description & Reports *	**26**
D	General System Operation & Control *	**27**
E	Laboratory Testing *	**28**
F	Storeroom & Inventory System *	**29**
G	Emergency / Safety Program *	**30**

** NOTE: This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual and Preventive Maintenance Logs, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.*

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Preface ~ FDEP Requirements
O&M Manual and Preventive Maintenance Logs

This template has been developed to help you prepare your own O&M Manual and Preventive Maintenance Log.



OPERATION & MAINTENANCE MANUALS

Who:	ALL water systems regardless of size
What:	Up-To-Date Operation & Maintenance Manual of Your System
When:	December 31, 2005
Where:	Keep a copy in your water plant office
Why:	FDEP Rule 62-555.350(13), FAC

The O&M Manual should be a quick reference for successful daily operation and include anything from trouble shooting to emergency procedures. The rule requires the O&M Manual to contain:

- ✓ Bound and Indexed Equipment Manufacturer Manuals (you can download most of these manuals off of the web or get them from equipment manufacturers)
- ✓ Operation and Control Procedures
- ✓ Preventive Maintenance and Repair Procedures

We recommend that you make at least two copies of the O&M Manual and store one in a safe place in case the plant copy gets lost or damaged by normal use. Your O&M Manual and Preventive Maintenance Logs can be stored in a 3-ring binder.



PREVENTIVE MAINTENANCE LOGS

Who:	ALL water systems regardless of size
What:	Up-To-Date Preventive Maintenance Logs of Your System
When:	August 28, 2003
Where:	Keep a copy in your water plant office
Why:	FDEP Rules 62-555.350 (2) and 62-555.350 (12), FAC

We recommend that you include the Preventive Maintenance Logs in your O&M Manual Binder. The Preventive Maintenance Logs show the date and type of all maintenance performed, and complies with rule 62-555.350 (2) and 62-555.350 (12), which requires the following:

- ✓ Preventive Maintenance Logs on Electrical and Mechanical Equipment
- ✓ Cleaning and Inspection Logs of Treatment Facilities and Storage Tanks
- ✓ Records of Coatings and Linings Rehabilitation or Repair
- ✓ Licensed Engineer Inspection Report (once every 5-years) for Finished-Drinking-Water Storage Tanks and Hydropneumatic Tanks
- ✓ Written Flushing Program and Logs showing that Dead-End Water Mains are being flushed at least quarterly
- ✓ Isolation Valves Exercise Logs

Upon completion **DO NOT submit your O&M Manual & Preventive Maintenance Logs to the FDEP**. FDEP will verify that you have these documents during their Sanitary Survey of your system (routine water system inspection). This template is intended for use by small or medium sized water systems and may be modified to fit the specific needs of each system. This O&M Manual & Preventive Maintenance Logs complies with FDEP minimum requirements and; you may modify it in any way that works for you - add sections, or rearrange them if you wish. Please send a copy of your O&M Manual & Preventive Maintenance Logs to Florida Rural Water Association ~ we would love to see your work!

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Section 1 - Maintenance Contacts List

This Operations & Maintenance Manual is to be used as a reference in the overall operation and maintenance of this Water System. This manual contains the necessary O&M procedures, worksheets, and record keeping forms, safety and emergency procedures, and testing and monitoring procedures. This manual is to be updated from time to time to reflect physical and procedural changes to the water system. Also it is intended that this manual be used as a training tool for new employees and as a guide for qualified substitute operators.

State Warning Point Duty Officer
Telephone: 800-320-0519

FDEP Rule 62-555.350(10)(a) Suppliers of water shall telephone the SWP immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system.

Service / Repair Contacts List

Organization or Company	Name & Position	Telephone	Cell Phone	e-mail
Water Testing Lab	Aqua Pure Labs	352-355-2383		aquapurelab@gmail.com
Water Testing Lab				
Pump Supplier	Barney's Pumps	863-665-8500		
Equipment Vendor				
Equipment Vendor				
Equipment Vendor				
Rental Equipment				
Chemical Supplier	Custom Controls	800-537-9633		
Chlorine Supplier	Custom Controls	800-537-9633		
Electrical Contractor				
Safe Dig / One Call				
Excavating Contractor				
Engineering Firm	DNM Engineering	352-572-6347		

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Section 2 - Bound and Indexed Equipment Manufacturer Manuals

Attach ALL Equipment Manufacturer Manuals in this Section.

System Description & Major Equipment (Attach additional sheets if needed)

Wells, FL Unique ID #	
Well Pumps (size, mfr & model)	
Types of Treatment (chlorination, filtration)	
Chlorine Feed Equipment (size, mfr & model)	Chlorination – ChemPro Chlorine Pump
Ammonia Feed Equipment (size, mfr & model)	
Ortho/Polyphosphate Feed (size, mfr & model)	
Other Chemical Feed (size, mfr & model)	
Treatment Equipment (size, mfr & model)	
Treatment Equipment (size, mfr & model)	
Treatment Equipment (size, mfr & model)	
Standby Power Equipment (size, mfr & model)	
Major Controls	
Control Valves (size, mfr & model)	
Pump Controls (type, mfr & model)	
Other Controls (type, mfr & model)	
High Service Pumps (size, mfr & model)	N/A
High Service Pumps (size, mfr & model)	
High Service Pumps (size, mfr & model)	N/A
Storage Tank (size, material, dia & height)	
Storage Tank (size, material, dia & height)	200,000 gallon elevated
Storage Tank (size, material, dia & height)	

We suggest attaching a water treatment plant schematic and system map / diagram to show system components, including sampling taps (POC's or points of collection) which are used for bacteriological and chemical sampling, also see recommended Appendices for optional O&M information.

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INSERT
ALL Equipment
Manufacturer Manuals
HERE

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INSERT
Water Treatment Plant Plan, Schematic, and Water Distribution System Map HERE

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Section 3 - Preventive Maintenance Log

It is essential that water system operators provide Preventive Maintenance for protection of the health and safety of the public; proper equipment operation and preservation; and as required by the Florida Department of Environmental Protection. Your water system may be more complex, if so you will need to add additional Preventive Maintenance categories.

The purpose of any maintenance program is: to ensure that equipment is properly functioning, to maximize system reliability, to ensure that equipment meets or exceeds its expected service life and to ensure that equipment repairs can be performed in a scheduled manner avoiding the extra costs and disruptions caused by unexpected equipment failure.

There are three kinds of maintenance activities that you will perform. These are predictive, Preventive and breakdown maintenance. Predictive Maintenance includes such items as oil analysis, to determine optimal oil replacement frequency, infrared analysis, to ensure that electrical connections are sound and that there are no imminent electric failures about to occur and vibration analysis, to ensure that equipment is properly aligned and that bearing wear is identified well before failure occurs.

Preventive Maintenance is a schedule of planned maintenance actions aimed at the prevention of breakdowns and failures in water systems. The primary goal of preventive maintenance is to prevent the failure of pumps and equipment before it actually occurs. It is designed to preserve and enhance equipment reliability by replacing worn components before they actually fail. Preventive maintenance activities include exercising valves and fire hydrants; equipment and tank inspections; partial or complete overhauls at regular specified periods; oil changes; lubrication; and so on. In addition, operators can record equipment deterioration so they know to replace or repair worn parts before they cause system failure.

How often should preventive maintenance for equipment be performed?

A. Once every week
B. After a breakdown
C. According to manufacturer recommendations
D. When time permits
E. According to a well thought out plan

The answer is both C and E. The ideal preventive maintenance program would prevent all water system equipment failure before it occurs. Long-term benefits of preventive maintenance include: improved system reliability, decreased cost of replacement, decreased system downtime, and better spares inventory management.

Breakdown Maintenance is maintenance that must be performed because of unexpected equipment failure. This is the most disruptive and costly type of maintenance and the purpose of a good maintenance program is to minimize these unscheduled events. There are multiple misconceptions about the benefits of preventive maintenance. One such misconception is that preventive maintenance is unduly costly, time consuming, or causes disproportionate work. This logic dictates that it would cost more for regularly scheduled downtime and maintenance than it would normally cost to operate equipment until failure or repair is absolutely necessary. This may be true for some smaller equipment components; however, one should compare not only the costs but also the long-term benefits and savings associated with preventive

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maintenance. Without a sound preventive maintenance program, labor costs for lost water production time from unscheduled equipment breakdown will be incurred, damages to equipment can be much more severe and potential negative treatment process and/or regulatory ramifications can be unacceptable to the customer and costly to the system.

Even under the best Preventive maintenance program, some breakdown maintenance will occur. Each of these events provides a learning opportunity to improve upon existing Preventive maintenance programs. The operator should evaluate every equipment breakdown situation, to determine the cause, and what measures could have been taken to prevent the occurrence. The lessons learned should then be added to the Preventive maintenance program. Building these written feedback loops into the Preventive maintenance program will yield significant returns.

Other Maintenance Items ~ FRWA has provided a number of recommended charts that can be very helpful in designing or in improving an existing Preventive maintenance system, Water Systems are advised to use these to develop customized maintenance information documentation for operators and maintenance personnel that are specific to their systems. General maintenance is imperative in keeping a plant in working condition. The following items should be included:

- ✓ Preventive maintenance schedule and instructions for completion;
- ✓ List of Specifications for fuels, lubricants, filters, etc. for equipment;
- ✓ Trouble shooting charts or guides which references pages in O&M manual and manufactures O&M manual;
- ✓ Record system for each type of equipment, this should include; numbering system, catalog, nameplate data cards, maintenance record cards;
- ✓ Manufacturers' maintenance schedule for routine adjustments. A summary with references to page number in manufacturer's O&M manual needs to be provided;
- ✓ A work order system for maintenance of equipment with sample forms.
- ✓ A designated responsible individual to ensure that the program tasks are being met and that timely updates are included in the program as needed
- ✓ Lastly, another benefit of a sound Preventive maintenance program is the ability to identify maintenance trends that consume a great deal of the operator's time. In these cases these trends provide the documentation necessary to management for replacement of equipment that is not performing in an acceptable manner. A Preventive maintenance program that is used in this way can achieve significant cost reductions, improve system reliability, and provide the operator with more time to devote to more critical tasks.

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TYPICAL DUTIES OF A WATER PLANT OPERATOR

1. Start up, shut down, and make periodic operating checks of plant equipment, such as pumping systems, chemical feeders, auxiliary equipment (compressors), and measuring and control systems.
2. Perform routine Preventive maintenance, such as lubrication, operating adjustments, cleaning and painting equipment.
3. Load and unload chemicals, such as chlorine cylinders, bulk liquids, powdered chemicals, and bagged chemicals either by hand or using chemical -handling equipment such as forklifts and hoists.
4. Perform minor corrective maintenance on plant mechanical equipment; for example, chemical feed pumps and small units.
5. Maintain plant records, including – Monthly Operation Reports (MORs), operating logs, daily diaries, chemical inventories, and data logs.
6. Monitor the status of plant operating guidelines, such as flows, pressures, chemical feeds, levels, and water quality indicators, by reference to measuring systems.
7. Collect representative samples and perform laboratory tests on samples for turbidity, color, odor, coliforms, chlorine residual, and other tests as required.
8. Order chemicals, repair parts and use tools.
9. Estimate and justify budget needs for equipment and supplies.
10. Conduct safety inspections, follow safety rules for plant operations, and also develop and conduct tailgate safety meetings.
11. Discuss water quality with the public, conduct tours of your plant (especially for school children), and participate in your employer's public relations program.
12. Communicate effectively with other operators and supervisors on the technical level expected for your position.
13. Make arithmetic calculations to determine chemical feed rates, flow quantities, detention and contact times, and hydraulic loadings as required for plant operations.

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Recommended Daily Operational Duties / Preventive Maintenance

(check or circle items that apply ~ strikethrough items that do NOT apply)

Water Meter Readings	☐ Record Water Plant Meter Readings ☐ Calculate Total Daily Production
Pumps & Tank Levels	☐ Inspect Well Pumps & Controls ☐ Check Chemical Solution Tanks & Record Amount Used ☐ Check & Record Water Levels in Storage Tanks ☐ Inspect Chemical Feed Pumps ☐ Inspect High Service Pumps & Controls ☐ Record Pump Run Times & Start Cycles
Sampling & Readings	☐ Check & Record Chlorine Residual at Point of Application ☐ Check & Record Chlorine Residual at Nearest Customer (Systems Req'd to Provide CT) ☐ Check & Record Chlorine Residual in Distribution System at Remote Points ☐ Check Instrumentation for Proper Input / Output
Security	☐ Investigate Customer Complaints ☐ Complete a Daily Security Check ☐ Windows, Doors, Hatches, Vents, Screens for Evidence of Tampering or Vandalism ☐ Well Caps, Vents & Seals ☐ Security Lighting, Locks & Alarms ☐ Inspect Fences & Gates

Recommended Weekly Operational Duties / Preventive Maintenance

(check or circle items that apply ~ strikethrough items that do NOT apply)

Inspections & Conditions	☐ Inspect Chlorine & Fluoride Testing Equipment (calibration & reagents) ☐ Check & Record Well Pumps Pumping Rate ☐ Check Membrane System Pressure Differential
Cleaning	☐ Clean Pump House and/or Plant Operations Office ☐ Clean Water System Grounds
Security	☐ Check ALL Station Alarms for Proper Operation ☐ Check Stand-By Power Source to Ensure Emergency Operation

Recommended Monthly Operational Duties / Preventive Maintenance

(check or circle items that apply ~ strikethrough items that do NOT apply)

Inspections & Conditions	☐ Check & Record Electric Meters ☐ Take Appropriate Monthly Water Quality Samples ☐ Check & Record Static & Draw-Down (Pumping) Levels in Wells ☐ Confirm Submittal of Monthly Operation Reports (MORs) ☐ Lubricate Pumps, Motors, Blowers & ALL Moving/Rotating Equipment ☐ Inspect ALL Pumps House Water Lines, Gaskets & Fittings for Corrosion & Leaks ☐ Inspect Pump, Seals, Water Lines & Fittings for Corrosion & Leaks ☐ Listen to Pump for Unusual Noises (or signs that Bearings are Wearing Out) ☐ Inspect Scales, Analyzer / Alarm, Oxygen Breathing Apparatus, Cross Ventilation ☐ Inspect Filter Head for Leaks ☐ Inspect and Add Salt to Brine Tank (i.e. Ion Exchange Only) ☐ Run Emergency Generator for 30-min UNDER LOAD, Check ALL Fluid and Fuel Levels ☐ Test Eye Wash & Emergency Shower
Cleaning	☐ Clean & Inspect Wellheads ☐ Inspect & Clean Chlorine Injection Points
Security	☐ Inspect Tank Overflow Vent Screens, Ensure Screen Intact, Check Manway Hatch & Ensure it is Secured

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Recommended Quarterly Operational Duties / Preventive Maintenance

(check or circle items that apply ~ strikethrough items that do NOT apply)

Cleaning	☐ Flush Dead-End Lines (Feb, May, Aug & Nov) Required by FDEP Rule 62-555.350(2) or more often per your written flushing program * ☐ Lubricate Locks ☐ Clean, Inspect & Disinfect Aerator / Degassifier Screens, Sprayheads & Gaskets

** Note: Flushing of dead-end water mains may be limited to just those dead-end mains that are 6 inches or greater in diameter if there is no history of water quality problems at dead-end mains smaller than 6 inches in diameter.*

Preventive Maintenance (PM) Recommendations

January PM Recommendations (Peak Month)

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Flush Half Distribution System
- ☐ Exercise Half Fire Hydrants
- ☐

February PM Recommendations (Peak Month)

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Flush Remaining Distribution System & Exercise Remaining Fire Hydrants (not completed in January)
- ☐ Flush Dead-End Lines (Feb, May, Aug & Nov) Required by FDEP Rule 62-555.350(2) or more often
- ☐ Inspect, Clean & Repair Control Panels in Water Treatment Plant
- ☐

March PM Recommendations (Peak Month)

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Inspect Storage Tanks for Defects & Sanitary Deficiencies
- ☐ Clean Storage Tanks as Needed
- ☐ Structural Inspection of Tank & Coatings by Engineer at Least Every 5-yrs and Before Aug 2008 (Clean Tank Prior)
- ☐ Perform Tank Coating Repairs per Mfr Specifications & Recommendations
- ☐ Clean, Inspect & Disinfect Aerator / Degassifier Screens, Sprayheads & Gaskets

April PM Recommendations

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Clean & Inspect Chemical Feed Lines
- ☐ Clean & Inspect Chemical Solution Tank
- ☐ Calibrate Chemical Feed Pumps
- ☐

May PM Recommendations (Non-Peak Month)

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Flush Distribution System
- ☐ Exercise ALL Fire Hydrants & Check FH Valves
- ☐ Water Plant & Pump House Building Preventive Maintenance
- ☐ Flush Dead-End Lines (Feb, May, Aug & Nov) Required by FDEP Rule 62-555.350(2) or more often
- ☐

June PM Recommendations

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Contact Electrician to Check Emergency Generator & Run on Load Bank
- ☐ Contact Electrician to Check Running Amps on Pumps
- ☐ Make Sure Unnecessary Equipment is Properly Decommissioned
- ☐ Review Emergency Response Plan - Update as Necessary
- ☐ Clean, Inspect & Disinfect Aerator / Degassifier Screens, Sprayheads & Gaskets
- ☐

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July PM Recommendations (Non-Peak Month)

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Prepare Water System for Summer Operation / Hurricane Season (Fuel, Generators, Shutters)
- ☐ Building Preventive Maintenance
- ☐

August PM Recommendations (Non-Peak Month)

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Operate ALL Valves Inside Treatment Plant & Pump House
- ☐ Clean & Inspect ALL Safety Equipment
- ☐ Flush Dead-End Lines (Feb, May, Aug & Nov) Required by FDEP Rule 62-555.350(2) or more often
- ☐

September PM Recommendations

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Clean RO Membranes or per Mfr Recommendations
- ☐ Overhaul or Replace Pressure Relief Valves on Hydropneumatic Tanks - every 5-yrs or per Mfr Recommendations
- ☐ Test Pressure Reducing Valves & RPZs
- ☐ Clean, Inspect & Disinfect Aerator / Degassifier Screens, Sprayheads & Gaskets
- ☐

October PM Recommendations

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Overhaul Chemical Feed Pumps (Feeder Head Cleaned, O-Rings, Check Valves & Diaphragms, Worn-Out Parts Replaced)
- ☐ Clean & Inspect Chemical Feed Lines
- ☐ Clean & Inspect Chemical Solution Tanks
- ☐ Calibrate Chemical Feed Pumps after Overhaul
- ☐ Test Eye Wash & Emergency Shower
- ☐

November PM Recommendations

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Exercise HALF of ALL Mainline Valves (You may consider combining Valve Exercising with your Flushing & FH
- ☐ Exercising Program if this is appropriate for your system)
- ☐ Check Water Meter For Accuracy (2" or Less Every 3-yrs Recommended) or Annually per Mfr Recommendations
- ☐ Change Media in Filter or per Mfr Recommendations
- ☐ Flush Dead-End Lines (Feb, May, Aug & Nov) Required by FDEP Rule 62-555.350(2) or more often
- ☐

December PM Recommendations (Peak Month)

(check or circle items that apply ~ strikethrough items that do NOT apply)

- ☐ Exercise Remaining HALF of ALL Mainline Valves (not exercised in November)
- ☐ ALL Safety Equipment - Clean & Inspect
- ☐ Clean, Inspect & Disinfect Aerator / Degassifier Screens, Sprayheads & Gaskets
- ☐ Clean, Inspect & Disinfect Aerator / Degassifier
- ☐

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Suggested Preventive Maintenance Log

Your water system may be more complex, if so you will need to add categories. (strikethrough items that do NOT apply)

Category	Suggested Frequency	Last Service (Date)	Service (Date)	Service (Date)	Service (Date)
Well / Source Water					
Clean, Disinfect & Inspect Wellheads, Pump, Controls Seals, Vent & Screen	Monthly				
Check & Record Static & Draw-Down (Pumping) Levels in Wells	Monthly				
Water Plant & Pump House					
Inspect Water Lines, Gaskets & Fittings for Corrosion & Leaks	Monthly				
Lubricate Pumps, Motors, Blowers and ALL Moving / Rotating Equipment	Monthly				
Building Preventive Maintenance	Annually July				
Exercise ALL Valves Inside Treatment Plant & Pump House (AWWA M44 once 2-yrs)	Annually August				
Check Water Meter For Accuracy (2" or Less Every 3-yrs Recommended)	Every 3-yrs November				
High Service Pumps					
Inspect Pump, Seals, Water Lines & Fittings for Corrosion & Leaks	Monthly				
Listen to Pump for Unusual Noises (or signs that bearings are wearing out)	Monthly				
Safety & Security					
ALL Safety Equipment - Clean & Inspect (Lock Out Tags)	Annually December				
Emergency Response Plan Review/Update	Annually June				
Chemical Feed Systems (Liquid)					
Inspect Pump, Seals, Water Lines & Fittings for Corrosion & Leaks	Monthly				
Clean Chlorine Injection Points	Monthly				
Overhaul Chemical Feed Pumps (Feeder Head Cleaned, O-Rings, Check Valves & Diaphragms, Worn-Out Parts Replaced)	Annually October				
Test Eye Wash & Emergency Shower	Bi-annually Apr & Oct				
Chemical Feed Lines - Clean & Inspect	Bi-annually Apr & Oct				
Chemical Solution Tanks - Clean & Inspect	Bi-annually Apr & Oct				
Calibrate Chemical Feed Pumps	Bi-annually Apr & Oct				

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Category	Suggested Frequency	Last Service (Date)	Service (Date)	Service (Date)	Service (Date)
Chemical Feed Systems (Gas)					
Inspect Scales, Analyzer / Alarm, Oxygen Breathing Apparatus, Cross Ventilation	Monthly				
Inspect & Clean Chlorine Injection Points	Monthly				
Aerator / Degassifer					
Inspect Screens, Sprayheads & Gasket	Annually December				
Clean, Inspect & Disinfect Aerator / Degassifer	Annually December				
Filter / Water Softener					
Inspect Filter Head for Leaks	Monthly				
Inspect and Add Salt to Brine Tank (i.e. Ion Exchange Only)	Monthly				
Change Media in Filter	Per Mfr November				
Reverse Osmosis / Membrane Softening Unit					
Check Pressure Differential	Weekly				
Clean Membranes	per Mfr				
Replace Membranes	per Mfr				
Storage Tanks - attach Inspection Reports with preventive maintenance plan					
Inspect Overflow Vent Screens, Ensure Screen Intact, Check Manway Hatch & Ensure it is Secured	Monthly				
Inspect Storage Tanks for Defects, Leaks & Sanitary Deficiencies	Annually March				
Clean Storage Tanks if Needed	Annually March				
Structural Inspection of Tank & Coatings by Engineer (Clean Prior to Inspection)	Every 5-yrs March				
Perform Coating Repairs per Mfr Specs	Annually March				
Replace Pressure Relief Valves on Hydropneumatic Tanks	Every 5-yrs March				
Repaint Steel Tanks, remove rust, spalling, grind, etc.	Every 5-yrs March				
Controls, Electrical & Stand-By Power					
Inspect, Clean & Repair Control Panels in Water Treatment Plant	Annually February				
Prepare Water System for Summer Operation / Hurricane Season	Annually July				
Run Emergency Generator 30-min under load	Monthly				
Contact Electrician to Check Emergency Generator & Run on Load Bank	Annually June				
Contact Electrician to Check Running Amps on Pumps	Annually				

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Category	Suggested Frequency	Last Service (Date)	Service (Date)	Service (Date)	Service (Date)
	June				
Distribution System (You may consider combining Exercising and Flushing Programs if this is appropriate for your system) *					
Exercise ALL Mainline Valves	Annually Jan & Feb	See	Chart	on Next	Page
Flush Distribution System & Exercise ALL Fire Hydrants	Annually Nov & Dec	See	Chart	on Next	Page
Flush Dead-End Lines *	Quarterly - Feb, May, Aug & Nov				

* Note: Flushing of dead-end water mains may be limited to just those dead-end mains that are 6 inches or greater in diameter if there is no history of water quality problems at dead-end mains smaller than 6 inches in diameter.

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Suggested Preventive Maintenance Log (continued)

Exercise ALL Mainline Valves - Annually Jan & Feb (add sheets as needed)

Valve ID #	Valve Location (address or intersection)	Last Service (Date)	Service (Date)	Service (Date)	Service (Date)	Service (Date)

Exercise ALL Fire Hydrants - Annually Nov & Dec (add sheets as needed)

FH ID #	Fire Hydrant Location (address or intersection)	Last Service (Date)	Service (Date)	Service (Date)	Service (Date)	Service (Date)

Flush Distribution System - Annually Nov & Dec (add sheets as needed)

Flush Dead-End Lines (Feb, May, Aug & Nov) Required by FDEP Rule 62-555.350(2) or more often per your written flushing program.

Pipe ID #	Pipe Segment Location (address or intersection)	Last Service (Date)	Service (Date)	Service (Date)	Service (Date)	Service (Date)

Pipe ID #	Pipe Segment Location (address or intersection)	Last Service (Date)	Service (Date)	Service (Date)	Service (Date)	Service (Date)

Example Valve Record

Location (street / address):				
Type:		Make:		Size:
Opens:	☐ Left	☐ Right	☐ Other	# of Turns:
Date Installed:				

Date Exercised	Closes/Opens? (Y / N)	# of Turns	Condition of Stem, Packing, Nut, Gearing, Etc.	Valve Status (Open or Closed)

Example Dead-End Water Main Flushing Record

Location (street / address):

Flushing Date	Flushing Duration (min.)	Water Characteristics (color, odor, etc.)		Disinfectant Residual, mg/L	
		Before Flushing	After Flushing	Before Flushing	After Flushing

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Appendix A - Emergency Response Plan

This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.

Insert your EMERGENCY RESPONSE PLAN & VULNERABILITY ASSESSMENT Here

How FRWA can help: We encourage you to use the Florida Rural Water Association's Emergency Response Plan (ERP) templates and guides off our website. You can easily download these on-line at www.frwa.net - just click on "security" and download any of the ERP documents. We are ready to help you complete your ERP. Please call your Water Circuit Rider or the FRWA Engineer for assistance.

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Appendix B - Permits & Specific Conditions

This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.

Insert PERMITS and SPECIFIC CONDITIONS for your Water System here. Include any FDEP or DOH provisions for your water system plus any applicable rules, regulations, latest Sanitary Survey, and Water Management District Consumptive Use Permit.

Insert your PERMITS & SANITARY SURVEYS here

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Boil Water Notices

Health advisories usually take the form of a drinking water warning or boil water advisory. Communication during these times is critical. DEP / DOH staff are committed to working closely with water systems to determine if an advisory is needed. Health advisories should always be well thought out and provide very clear messages.

Use the assistance of your County Health Department and/or District DEP office, located on DEP's website at: http://www.doh.state.fl.us/environment/water/manual/boil.htm

TYPES OF BOIL WATER NOTICE INCIDENTS

A. Microbiological Contamination
B. Zero or Negative Pressure.
C. Low Water Pressures
D. Water Main Breaks/Interruptions.
E. Flooding of Wells.

Attachment A

(Date)

Precautionary Boil Water Notice

To: Residents of (Name of City, Town, Trailer Park, Subdivision or County) living in the area bounded by (street, avenue, canal or other descriptive boundary)

(Brief Description of event such as: bacteriological analyses of samples obtained from your water distribution system have shown possible contamination of the water, or a water main break has occurred at_____, or a loss of water pressure has been experienced due to_____.)

Therefore, as a precaution, we advise that ALL WATER USED for DRINKING or COOKING be BOILED. A rolling boil of one minute is sufficient. As an alternative bottled water may be used.

This "Precautionary Boil Water Notice" Will remain in effect until the problem has been corrected and a bacteriological survey shows that the water is safe to drink.

If you have any questions you may contact (Name of Person, Agency) at (phone number).

_____
Signature

_____
Name, Title and Agency of official issuing the notice

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Attachment B

(Date)

Rescission of Precautionary Boil Water Notice

To: Residents of (Name of City, Town, Trailer Park, Subdivision or County) living in the area bounded by (Street, Avenue, Canal or other descriptive boundary)

The (Date) "Precautionary Boil Water Notice" Is hereby **RESCINDED** following the (action taken to correct the problem) and the satisfactory completion of the bacteriological survey showing that the water is safe to drink.

If you have any questions, please call (Name, Agency) at (phone number).

Signature

Name, Title and Agency of official issuing the notice

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Appendix C - System Description & Reports

This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.

General System Description should include:

- ✓ Description of Treatment Processes
- ✓ Principal Design Criteria and Process Equipment Ratings
- ✓ Water System Map indicating Major Valves and Water Storage Tanks
- ✓ Process Flow Schematic Water Treatment System
- ✓ Brief Description of Interconnections
- ✓ Mutual Aid Agreements with Adjacent Water Systems / FlaWARN

Records and Reports. Keeping and compiling records is a valuable part of an efficient water system. The following should be included in the manual:

- ✓ A general explanation of the importance of records & reports
- ✓ The system should maintain a list of complaints and identify responses made
- ✓ Daily logs, maintenance records, laboratory records, monthly reports, monitoring reports, annual reports, operating cost reports, accident reports, and sanitary surveys. Examples and sample reports of each should be included
- ✓ A listing of records that are on file (permits and standards, consumption)
- ✓ Location of records on file
- ✓ Procedures for reporting records to appropriate agencies
- ✓ Specify how long records should be kept on file

Water Treatment Plant As-Builts, Equipment Manuals and Vendor Catalogues. Maintaining a current set of plant drawings, equipment manuals and vendor catalogues is critical in promoting timely repairs and reduces the chances for accidental equipment damage. The following should be provided:

- ✓ As-Builts of all Plant piping and valving and a method for updating the information
- ✓ A centralized storage area that is accessible by those needing the information should be made available in the plant.
- ✓ Plant equipment manuals should be maintained in a visible and accessible location
- ✓ Current vendor supply catalogues

How FRWA can help: We are ready to help you complete your O&M Manual, please call your Water Circuit Rider or the FRWA Engineer for assistance.

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Appendix D - General System Operation & Control

This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.

General System Operation and Control. It is important to fully understand how the water system operates. This section should include:

A. Identification of Major System Components including a description of the normal operation of the component. Show the relationship of each component with other system components, and relate any possible alternative operation modes and circumstances under which they would be used. Include schematic diagrams of each unit and discuss any special features that may be of importance.

B. Preventive Maintenance Program; describe for each major component the Preventive maintenance tasks (if any) that are performed. This should include types of Preventive maintenance or inspection required; frequency of maintenance or inspection; and any extraordinary changes to operations which would occur when a facility is off-line.

C. Common Operating Problems should be discussed along with methods of bypassing units, and the importance of and how to use laboratory tests for unit control.

D. Routine System Operation; for each major system component describe the routine operational tasks that are performed and controlled. This should include start-up and shut down procedures, safety procedures, meter reading and how system performance is evaluated.

E. Special Task Lists. These lists should identify assignments to personnel for notifying regulatory agencies, the media, institutional customers such as hospitals, government buildings or schools and special needs customers who require a continuous supply of water. The list should also include who is authorized as a spokesperson to represent the water system.

F. Staff Contact and Capability Lists. This should include a list staff, emergency contact and listing of any training or ability to perform specialized tasks such as electrical work, welding, operation of CDL vehicles or construction equipment, test equipment, or specialized knowledge in maintenance or operational activities through training, licensing or experience.

How FRWA can help: We are ready to help you complete your O&M Manual, please call your Water Circuit Rider or the FRWA Engineer for assistance.

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Appendix E - Laboratory Testing

This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.

General Laboratory Testing. This should include any samples and tests needed for compliance as well as for process control. For samples taken by the State, or taken by the system and analyzed by a State laboratory:

- ✓ Type of sample
- ✓ Sampling locations
- ✓ Monitoring schedule

For tests to be performed by outside laboratories:

- ✓ Name of the laboratory
- ✓ Contact person
- ✓ Telephone number
- ✓ Type of sample
- ✓ Sampling locations
- ✓ Monitoring schedule

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Appendix F - Storeroom & Inventory System

This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.

Having the proper equipment, tools, parts and consumable supplies is critical in maintaining the treatment process and plant equipment operation. Equipment owned by the system should be maintained in good working order and should be available to the employees who may need it for use at all times. Similarly, stocks of spare parts, special tools, supplies, chemicals, and other consumable items should be maintained in a secure storage location with controlled access. An inventory tracking and reorder system that identifies who has used the equipment and consumable parts must be maintained so that acceptable levels of inventory are available when needed and restocked to facilitate timely actions. Minimum FRWA recommendations for managing plant inventory are listed below:

- ✓ Plant Property, Rolling Stock (vehicles, tractors, construction equipment and trailers), and Assigned Equipment and Furniture
- ✓ An inventory of all property and equipment, both moveable and non-moveable, owned by the system;
- ✓ A mechanism for assigning specific items of moveable equipment to individual employees (e.g. vehicles, tools, etc.)
- ✓ A mechanism for tracking specific items of moveable equipment by location (e.g. furniture, office equipment, etc.)
- ✓ A mechanism for storage and checking out of specialized items of equipment needed infrequently.
- ✓ Brief operation instructions for each item of equipment with reference to the manufacturers' technical specifications for major system components;
- ✓ List of warranted equipment and the warranty provisions;
- ✓ List of outside contract maintenance tasks;
- ✓ List of equipment manufacturers and local suppliers;
- ✓ Spare Parts and Specialized Tools list;
- ✓ Special tools list and tools displayed prominently
- ✓ Spare Parts Inventory, number available and reorder quantity
- ✓ Lists of special test equipment and operating manuals
- ✓ List of major suppliers with telephone numbers and contact persons;
- ✓ A system of requisitions and/or work orders used to distribute parts, supplies, chemicals, etc. to employees.
- ✓ Lists of equipment and spare parts should clearly indicate those items of equipment and parts that are essential to the operation of the system.
- ✓ List, number and types of valves, reducers, pipe and repair fittings that are on-hand;
- ✓ Hand Tools, raingear, and miscellaneous hardware used in the plant

Chemicals and Other Consumable Items:

- ✓ Recommended stock levels of supplies and chemicals and method of reordering when stock on hand drops below recommended levels;
- ✓ Delivery dates and critical chemicals such as chlorine, lime, polymers, etc
- ✓ Laboratory Supplies and reorder quantities (generally maintained by the Lab)
- ✓ Identification of responsible party for maintaining of critical inventories
- ✓ List of major suppliers with telephone numbers and contact persons

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Appendix G - Emergency / Safety Program

This information in Appendices A thru G is RECOMMENDED by FRWA for inclusion with your O&M Manual, but is not specifically required by FDEP in Rule 62-555.350 (2), (12) and (13) FAC.

Emergency / Safety Program

A. **Operating Plan For Emergencies** and the procedures to be followed until normal operation can be resumed. This plan should include personnel assignments, emergency equipment inventory, and emergency numbers. Phone numbers to keep readily accessible should be police and fire departments, and for chemical spills or exposure CHEMTECH 800 424-9300. The emergency call up list should identify, in ranked order, water system personnel responsible for making decisions in specific situations. This list should include the job title, home and work phone number (beeper/car phone number if available) for all personnel.

B. **Contingency Plan** should also be made to insure proper treatment of water even in adverse conditions. This plan should describe conditions and procedures for putting standby and emergency sources into active service. Procedures for notifying customers, the local health jurisdiction, and FDEP of noticeable water quality problems. Sample Public Notices should be prepared for acute Tier I violations and water borne disease outbreaks that must be distributed within 24-hours.

C. **Safety Procedures** should identify work space hazards for the waste water system. Potential hazards include asbestos coated pipes, mechanical equipment, electrical, explosion and fire, chlorine, oxygen deficiency, laboratory and any chemicals used by the plant. A potential danger at plants can stem from the chlorination process. The manual should provide information on how to do the following tasks;

1. Handling of Chlorine Containers.
    a. Forklift trucks or hoisting equipment with special cradles or carriages designed for chlorine equipment are used for lifting cylinders
    b. Proper storage of containers
    c. Tag empty containers, and store separate from full cylinders
    d. Use cylinders in order that they are received
    e. Use ONLY approved tools
    f. Cylinder emergency repair kits should be readily available
2. Emergency Procedures and Emergency Equipment.
    a. Written procedures in event of catastrophic leak or container rupture.
    b. Self-contained pressure helmets; with own compressed air supply and full-face piece; located at readily accessible points, away from area(s) likely to be contaminated with chlorine gas.
    c. Spare cylinders on site for use during prolonged emergencies.
    d. Inspect helmets, emergency kits, and breathing air supply tanks routinely.

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e. Formal training with drills for potential users of helmets and emergency equipment.

3. Leak Detection

   a. A strong solution of aqueous ammonia is available for use in locating source of leaks

   b. Repairs of chlorine leaks are to be done by at least two people. Protecting gear should be used, and if below grade, safety harnesses and ropes are worn and emergency rescue operators are present.

   c. Piping and valves in chlorine rooms should be color coded and labeled for rapid identification.

   d. Properly train repair people.

How FRWA can help: We are ready to help you complete your O&M Manual, please call your Water Circuit Rider or the FRWA Engineer for assistance.

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From: Reuben Law
To: Hall, Carolyn
Subject: Re: Tradewinds Data
Date: Monday, February 20, 2023 9:31:47 PM
Attachments: image001.jpg
Fire Hydrant Flushing Program - Tradewinds Village.docx

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please find attached the flushing program for Tradewinds Village. I still do not have a map of the distribution system but printed one tonight and have scheduled to complete with maintenance staff tomorrow.

Thank you,
Reuben Law

From: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Sent: Sunday, February 19, 2023 2:02 PM
To: Reuben Law <randkenvironmental@outlook.com>
Subject: RE: Tradewinds Data

Good Afternoon Reuben,

Following up on the distribution map and flushing/ valve exercise program. These are the last outstanding items.

Thank you ,

FL-DEP-LOGO

Carolyn Hall, M.S.
Environmental Consultant
Florida Department of Environmental Protection
Central District – Orlando
Carolyn.Hall@FloridaDEP.gov
Office: 407-897-4114

From: Reuben Law <randkenvironmental@outlook.com>
Sent: Monday, January 30, 2023 9:45 AM
To: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Subject: Tradewinds Data

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links,

or responding to this email.

Please find attached the CCC Plan, ERP and O & M Manual for Tradewinds Village WTP. I am working on doing a google map with the distribution system drawn on it. I am also trying to finalize the flushing program. Let me know if you have any questions or if I need to make changes to anything.

Thank you,

Reuben Law



Fire Hydrant Flushing Program – Tradewinds Village WTP

The Fire Hydrant Flushing Program is completed 2 times per year. Water plant crews flush fire hydrants over a week period for 30 minutes.

The purpose of the program is to help maintain water quality standards and the fire protection system. Citizens may experience brief periods of discolored water or low pressure which is normal during flushing operations.

What does "hydrant flushing" mean?

The Water Division will forcefully draw the chlorinated water through fire hydrants for several minutes. The flushing also allows sediments/minerals that have collected in the water mains to be washed out. Additionally, the flushing process is part of the Water Division's annual hydrant exercising program.

Will I see a drop in water pressure due to the flushing?

Most customers will not see a drop in water pressure. If a change in pressure does occur it usually lasts for only 30 minutes or less.

Will hydrant flushing in my area cause cloudiness or sediment in my water?

The flushing process can stir up sediments and minerals in water mains occasionally resulting in some short-term cloudy water conditions. If you encounter such conditions please flush the water from tap until the cloudiness dissipates. If you experience this condition for an extended period of time please call the Tradewinds Village Plant Operator @ 352-661-8952.

From: Reuben Law
To: Hall, Carolyn
Subject: Re: Tradewinds Data
Date: Monday, May 22, 2023 8:19:46 AM
Attachments: image001.jpg
PXL_20230522_115450429.jpg
PXL_20230522_115446318.jpg
PXL_20230522_115205758.jpg
PXL_20230522_115143965.jpg
PXL_20230522_115350351.jpg
PXL_20230522_115345915.jpg

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please find attached the distribution maps for Tradewinds Village. Let me know if you need anything else or have any questions.

Thank you,
Reuben Law

Get Outlook for Android

From: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Sent: Friday, May 19, 2023 7:28:27 AM
To: Reuben Law <randkenvironmental@outlook.com>
Subject: RE: Tradewinds Data

Please get it to me by Monday this is the last thing and then I can close it out and return the facility to compliance

FL-DEP-LOGO

Carolyn Hall, M.S.
Environmental Consultant
Florida Department of Environmental Protection
Central District – Orlando
Carolyn.Hall@FloridaDEP.gov
Office: 407-897-4114

From: Reuben Law <randkenvironmental@outlook.com>
Sent: Friday, May 19, 2023 6:57 AM
To: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Subject: Re: Tradewinds Data

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

I am sorry I haven't gotten this back. Been working late on water main issues the last 2 days. I am trying my best and will work on this over the weekend.

Thank you,
Reuben Law

Get Outlook for Android

From: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Sent: Monday, May 15, 2023 11:00:24 AM
To: Reuben Law <randkenvironmental@outlook.com>
Subject: RE: Tradewinds Data

Thank you

FL-DEP-LOGO

Carolyn Hall, M.S.
Environmental Consultant
Florida Department of Environmental Protection
Central District – Orlando
Carolyn.Hall@FloridaDEP.gov
Office: 407-897-4114

From: Reuben Law <randkenvironmental@outlook.com>
Sent: Monday, May 15, 2023 10:59 AM
To: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Subject: Re: Tradewinds Data

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

I will have it done and back to you by tomorrow afternoon.

Thank you,
Reuben Law

Get Outlook for Android

From: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Sent: Monday, May 15, 2023 10:57:33 AM
To: Reuben Law <randkenvironmental@outlook.com>
Subject: FW: Tradewinds Data

Hey Reuben ,

Following up on the below so I can get this closed out. This is the last outstanding item

FL-DEP-LOGO

Carolyn Hall, M.S.
Environmental Consultant
Florida Department of Environmental Protection
Central District – Orlando
Carolyn.Hall@FloridaDEP.gov
Office: 407-897-4114

From: Hall, Carolyn
Sent: Monday, March 13, 2023 3:57 PM
To: Reuben Law <randkenvironmental@outlook.com>
Subject: RE: Tradewinds Data

Good Afternoon Reuben ,

Have you completed the distribution map?

FL-DEP-LOGO

Carolyn Hall, M.S.
Environmental Consultant
Florida Department of Environmental Protection
Central District – Orlando
Carolyn.Hall@FloridaDEP.gov
Office: 407-897-4114

From: Reuben Law <randkenvironmental@outlook.com>
Sent: Monday, January 30, 2023 9:45 AM
To: Hall, Carolyn <Carolyn.Hall@FloridaDEP.gov>
Subject: Tradewinds Data

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please find attached the CCC Plan, ERP and O & M Manual for Tradewinds Village WTP. I am

working on doing a google map with the distribution system drawn on it. I am also trying to finalize the flushing program. Let me know if you have any questions or if I need to make changes to anything.

Thank you,

Reuben Law

Dep Customer Survey



Dep Customer Survey





the intersection of 4"ND & 33SD, we 4" running east & west, under the road, pc of PVC, through the 4" (that was the road) instead of tearing up the

UNTRYSIDE ESTATES

"CLASS A" GROUP I
SECTION 34, T14S., R22E

EDIC WAGNER (TRUSTEE)
(SUBDIVIDED INTO FLAG LOTS, UNRECORDED)

TRACT E 1984.26'

Lot 8 is home actually a out back & the water comes to it is capped off

This gate valve is approx 90' from middle line of intersection, & approx 21' from middle of 45th. Right next to it, to the east is a blow off valve.

CONSTRUCT "TEE" TURN-A-ROUND

4" GATE VALVE

1-9-18

MAYE W. FULFORD (15841-001-00)

main line on 34th ave is approx from center of road & deep

6" GATE VALVE

DEAN No 3

3535

3540

3520

3524

FLUSH

S 89°42'07" W.

There is a jumbo box in the front yard of 3535 w/ a 1" shut-off for 3520 & 3540. It also has a 1" pipe going north that we're not sure who it shuts off at this time)

1986.23'

WOODROW FULFORD (15941-000-00)

NOTE: ARC AT BLOCK INTERSECTIONS ARE 39.3' UNLESS OTHERWISE STATED

ALL BLOCK CORNER PINS ARE SET UNLESS OTHERWISE SHOWN

T.B. = THRUST BLOCK
—⊏ = 1" SERVICE LINE

NE 40TH ST

COUNTRYSIDE ESTATES

NE 25TH AVE

NE 35TH ST

SECTION 34 T.14 S. R22E.

0 500 1000 2000 3000
GRAPHIC SCALE 1" = 1000'

NE 36TH AVENUE

E. 1/4 COR. SEC. 34 TWP. 14 S., RGE. 22 E.

WATER DISTRIBUTION

PLAT PROCESSING

1981 SWEETWATER PLAT

COUNTRYSIDE ESTATES

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT THE STORM DRAINAGE RETENTION AREAS AND DE-LIFT RETENTION SITES ARE IN CONFORMITY TO CODE AND APPROXIMATE RESERVE AREAS SHOWN HEREON, TO THE BEST OF MY KNOWLEDGE.

PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 24651

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS MAP OR PLAN WAS PREPARED UNDER MY INSTRUCTION AND CONTROL AND THAT THE INFORMATION SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT NO VISIBLE ENCROACHMENTS ONTO ADJACENT PROPERTIES DOES EXIST.

PROFESSIONAL SURVEYOR
FLORIDA CERTIFICATE NO. 2418

CHAMBERS & ASSOC. INC.
SURVEYING & ENGINEERING
2040 N.E. 2nd. STREET, OCALA, FL
PHONE (904) 629-1870 OR 7

DATE: JUNE 22 1983 | SCALE:
DRAWN: J.B.C. | REF.
JOB NO.: 83-53-RP | FILE:

SHEET 14 OF 16

On 1-9-18, at the intersection of 45th & 33rd we dug away with the 4" heading North & South, into the 4" heading East & West on 45th. we took out the tee, & put a straight piece of 4" in, with stainless wraps. So now the shut-off on the south side of 45th, has to stay off.

In 2019, on the intersection of 45th & 33rd, we cut open the 4" running east & west, under the road, & slid a 2" pc of PVC through the 4" (that was broken under the road) instead of tearing up the road.

COUNTRYSIDE ESTATES

CLASS "A" GROUP I
SECTION 34, T 14 S., R 22 E.

ERIC WAGNER (TRUSTEE)
(5840-000-00)
(SUBDIVIDED INTO FLAG LOTS, UNRECORDED)

Lot 8 is actually a home & out back + some to

SCALE 1"=100'

GRAPHIC SCALE 0 50 100 200 300 400

TRACT "L" LIFT STATION SITE

TRACT "E" 1984.26'

N. 89° 43' 35" E.

D.E.A. No. 1

STREET

N.E.

CONSTRUCT "TEE" TURN-A-ROUND

4" GATE VALVE

16"x4" VALVE APPLIED

Leaves off 1-9-18

N.E. 45th

N.E. 43rd

N.E. 33rd PLACE

30' R/W of Road.

CONSTRUCT "TEE" TURN-A-ROUND

CONNECT AND MATCH TO EXISTING PAVEMENT

6" GATE VALVE

TRACT "H" 1986.23'

S. 89° 40' 40" W.

TRADE WINDS VILLAGE

CONNECT TO TRADE WINDS VILLAGE WATER DIST

CENTER OF SECTION 34, T14S., R22E.

S.W. COR. OF NE. 1/4 OF SEC 34-14-22

main line here on 33rd is approx 23' from center of road & approx 3' deep

WOODROW ELLFORD
(15341-000-00)

NOTE: ARC AT BLOCK INTERSECTIONS ARE 35' UNLESS OTHERWISE STATED

ALL BLOCK CORNER RADII ARE 25' UNLESS OTHERWISE STATED

T.B. = THRUST BLOCK
1" SERVICE LINE

DESCRIPTION:

Commencing at the East 1/4 Corner of Section 34, Twp. 14 S., Rge. 22 E., and proceed S. 89° 40' 40" W. along the South Boundary Line of the N.E. 1/4 of said Section 34, 40.00 feet to a point on the West Right-of-Way Line of N.E. 36th Avenue (being 80 feet wide); Thence N. 00° 29' 48" W., along said West Right-of-Way Line, 361.13 feet to a point, said point being the POINT-OF-BEGINNING of the tract of land as described herein; Thence S. 89° 43' 35" W., 300.00 feet South of and parallel to the North Boundary Line of the N.E. 1/4 of the S.E. 1/4 of the N.E. 1/4 of said Section 34, 422.00 feet; Thence S. 89° 40' 40" W., parallel to the aforesaid South Boundary Line, 1986.23 feet to a point on the West Boundary Line of the N.E. 1/4 of said Section 34, said point being N. 00° 23' 45" W., 361.39 feet from the S.W. Corner of the N.E. 1/4 of said Section 34; Thence N. 00° 23' 45" W., along said West Boundary Line, 659.07 feet to a concrete monument at the N.W. Corner of the S.E. 1/4 of the N.E. 1/4 of said Section 34; Thence N. 89° 43' 35" E., 1986.26 feet to a concrete monument at the N.E. Corner of the W. 1/2 of the S.E. 1/4 of the N.E. 1/4 of said Section 34; Thence S. 00° 29' 15" E., 661.52 feet to the POINT-OF-BEGINNING of the S.E. 1/4 of the S.E. 1/4 of the N.E. 1/4 of said Section 34; Thence N. 89° 43' 35" E., 631.46 feet to a concrete monument on the easterly West Right-of-Way Line of N.E. 36th Avenue; Thence N. 00° 29' 48" W., along said West Right-of-Way Line, 100.00 feet to the Point-of-Beginning. All of said being and lying in Marion County, Florida, and containing 4.18 more or less.

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT THE [illegible] AND THE LIFT STATION SITE [illegible] SURVEY AS [illegible]

Shutoff that is at the corner of the property

It's approx 60' from driveway on east side of the road. (It's in a water box)

0 100 200

8" water line runs approx 11' to the north side of sewer plant, blower building

SEWAGE TREATMENT PLANT

Telephone Pole

2765 2785

NE 27th Ct

6" PVC

SITE AND PLANT LAYOUT PL

Retention Pond

Evaporation Ponds

4" PVC

NE 42nd Pl.

Water Retention Area

150'

Florida Power Easement

8" line to cm & runs country side

To end of country side this

2' east of this shutoff is a 6" pipe going west for 14' & 4" pipe going south to NE 42nd Pl. Located south to NE 42nd Pl. Located south to a gate valve & a gate valve on SE corner of 42nd Pl & 28th Ct

Gate valve is located to the north of pavement on SW corner of 42nd Pl & 28th Ct. Runs west to 28th Ct & runs north to 42nd Pl & does not go north of 42nd Pl. 8" line south

Legend

GATE VALVE

WATER MAIN

INDICATES SIZE OF POLY VINYL CHLORIDE WATER MAIN

SANITARY CAP WITH CONCRETE THRUST BLOCK

WELL (SEE SHEET 2)

Shutoff that used to be the water line for the property on the corner of 43rd Pl. and 27th Ave.

This appox 6" from property line is where the shutoff is at present

Telephone Pole

2765

2785

WATER RETENTION AREA

6" PVC

NE 45th ST.

NE 44th ST.

NE 27th Ct.

1322.01

N 00° 00' 00" E

Stopped its new 7-04

Proceed 3-16-10

Driveway (double) 13' 7-04 Bud

Can't find 7-04

SITE AND [illegible] PLANT (CONTINUED)

SEWAGE TREATMENT PLANT

PERCOLATING POND

8" line to CR 42 new county side

To old county side thru manhole

8" cast of this shutoff is a 6" pipe going under the 43rd Pl - heading south to next county side, to a gate valve & SE corner

8" water line runs the approx 11' north side of sewer plant, sewer building

LEGAL DESCRIPTION

The SW 1/4 of the ... WEST 30'; and the ... of the NW 1/4, Section 34, Township ... Marion County, Florida

0 100 200

EVAPORATION PONDS

4" PVC

42nd PL.

WATER RETENTION AREA

80

FLORIDA POWER EASEMENT

This is original 6" line TWS

The line is 1½ on the north side from middle of 42nd

To Recall Bitton

To the direct north of line is a gate valve on a bypass line to 8" PB line (into 1½' north)

NOTE

[illegible] LOCATED IN THE PUBLIC RIGHT-OF-WAY [illegible] FROM THE CENTER-LINE.

[illegible] DEPTH SHALL BE 36" MINIMUM.

[illegible] SDR 14 (160 PSI) PVC

[illegible] BE OBTAINED FROM MARION COUNTY [illegible] WITHIN THE RIGHT-OF-WAY.

LEGEND

GATE VALVE

WATER MAIN

INDICATES SIZE OF POLY VINYL CHLORIDE WATER MAIN

SANITARY CAP WITH CONCRETE THRUST BLOCK

WELL (SEE SHEET 2)

COUNTRYSIDE ESTATES

Existing 6" PVC

S 89° 46' 40" W 2608.61

N 89° 44' 40" W 2608.53

NE 33RD AVENUE

NE 34TH COURT

NE 35TH COURT

NE 41ST PLACE

NE 35th ST

NE 35th PL

8"PVC

4"PVC

Note: only part of this line is (Tract 'C')

Temp Blow-off Valve

2" Blow-off (See Detail)

Tract 'D'

Tract 'E'

20' D.E.

George Mayo Sub.

Plat Book 16 Page 4

Location Sketch

Blow-off must be under that driveway - we never got that far to find it but I mark the center of the driveway directly under the running 4292 driveway. We read 5' deep, we read to 15' on 3-30-2016 as a road lateral to 15' and 5' and the 4293 is right where road + driveway meet and go in towards home and 4292 is from end of Driveway

Manhole at far south end of 33rd ave feeds to manhole on 32nd ct through back lots

Water lines in place

Gate valves in place

Blow-off Detail
NTS

Cast-iron cover lettered 'Water'
10" Adjustable cast-iron valve box
3-2" PVC
2" Gate Valve
2" PVC
2x2 Reducing Bushing
90° Elbow
Conc Thrust Block
36" min

Total Lots Served - 126

CTION REQUIREMENTS

ES SHALL BE SDR 21 (Class 200) PVC.

ALL BE ENCLOSED IN STANDARD CAST
JUSTABLE VALVE BOXES.

AINS SHALL BE LOCATED 17' FROM CENTERLINE
WAY. MAP ON COUNTY PERMIT REQUIRED.

MUST BE BACTERIOLOGICAL TESTED AT POINTS
ATED BY THE DEPT OF ENVIRONMENTAL
TION AND CLEARED BY THE DEPARTMENT BEFORE
E USE.

SHALL BE SERVED BY TRADEWINDS UTILITIES, INC.
WELL SITE LOCATED IN ADJACENT SUBDIVISION.

Master Water Plan
for
Countryside Estates 3rd Addition

Robert L. Rogers Engineering Co., Inc.
1105 S.E. 28th Ave.
Ocala, Fla. 32671
Phone: (904) 622-9214

See Deep Prime Blow-up on Back of Map

Main line is approx 5' deep & is directly under the spot where driveway meets the road

Note: 7's are in place in 8" Line For 4" Lines & Valves

Line here is approx 5' deep & 17' off the road

no lots here it is an open lot for "recreation"

manhole at far south end of 33rd ave feeds to manhole on 32nd ct through back lots

Note: only part of this line is Tract 'C'

Temp Blow off Valve

Put shut off on new 1" poly to be a tee + the 3/4" going off of the 1" poly to be shut off

Cement around culvert

3380

3308

4130

4126

4124

3326

N 89° 44' 44" W 2608.53

S 89° 16' 40" W 2608.61

S 00° 23' 43" E 665.32'

Existing 6" PVC

Existing 4" PVC

8" PVC

4" PVC

2" Blow-off (See Detail)

NE 42nd Place

NE 41st Place

NE 31st Court

NE 32nd Court

NE 33rd Avenue

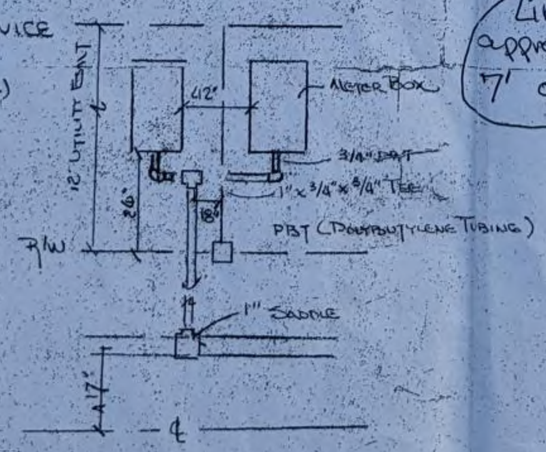
NE 34th Court

Countryside Estates

Tract 'A'

Tract 'B'

Typical Service Detail (NTS)



Legend

8" PVC

4" PVC

Construction Requirements

1. All water lines shall be SDR 21 (Class 200) PVC.
2. All valves shall be enclosed in standard cast iron adjustable valve boxes.
3. All water mains shall be located 17' from centerline of roadway. Map on county permit requirements.
4. Water mains must be bacteriological tested at points designated by the Dept. of Environmental Regulation and cleared by the Department before public use.

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 24, 2023

Charles DeMenzes, Owner
Tradewinds Utilities Inc
2925 NE 43rd Place
Ocala, Florida 34478
charlie@altfo.com

Re: Return to Compliance
Tradewinds Village
PW Facility ID #3424620
Marion County

Dear Mr. DeMenzes:

Department personnel conducted a review of the response to the Compliance Assistance Offer Letter issued December 6, 2022. Based on the information provided in your response, the facility was determined to have resolved the identified issues and has returned to compliance with the Department's rules and regulations.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Carolyn Hall at 407-897-4114 or via e-mail at Carolyn.Hall@floridaDEP.gov.

Sincerely,

Jason Seyfert, Environmental Administrator
Central District
Florida Department of Environmental Protection

cc: Carolyn Hall, Central District
Reuben Law randkenvironmental@outlook.com

From: Reuben Law
To: DEP_CD
Subject: Fwd: 2022 COD for 6 Systems
Date: Saturday, July 29, 2023 7:53:38 AM
Attachments: 2022 Cliftwood COD.pdf
2022 Crystal Acres COD.pdf
2022 Landfaire COD.pdf
2022 Sunset Harbour COD.pdf
2022 Tradewinds COD.pdf
2022 Tropicana COD.pdf

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please find attached the CCR and COD attached for Cliftwood MHC, Tropicana Village, Tradewinds WTP, Sunset Harbor WTP, Landfair Subdivision WTP and Crystal Acres MHP. Please let me know if you need anything else.

Thank you,
Reuben Law

Get Outlook for Android

From: Zamora, David <David.Zamora@fdc.myflorida.com>
Sent: Wednesday, July 26, 2023 12:59:24 PM
To: randkenvironmental@outlook.com <randkenvironmental@outlook.com>
Subject: 2022 COD for 6 Systems
Please find your COD forms attached above.
David L. Zamora
Engineering Technician IV
Marion Correctional Institution
3269 NW 105th Street
Ocala, Fl 34475
Office: 352-368-8460
Cell: 352-502-6271

Certification of Delivery of Consumer Confidence Report

GENERAL INSTRUCTIONS: This form shall be completed by all community water systems (CWSs) that have prepared a Consumer Confidence Report (CCR) in accordance with Rule 62-550.824, F.A.C., Consumer Confidence Reports. At the end of this form is a certification in which a system's authorized representative shall certify that the reported information is accurate and is in conformance with Rule 62-550.824, F.A.C. **COMPLETE THIS FORM AND SUBMIT IT BY AUGUST 10,** together with a copy of your system's CCR, and any newspaper notice(s) and posted notice(s) of your CCR, to the appropriate DEP district office or Approved County Health Department (ACHD). Systems serving 100,000 or more persons posting their CCRs on publicly accessible Internet sites shall provide the information on the appropriate Internet link(s). All information provided on this form must be typed or printed in ink.

I. General Water System Information. (To be completed by all community water systems.)

System name: Cliftwood Mobile Home Community Contact person: Reuben Law

PWS Identification number (PWS-ID): 3420216 Contact phone number: 352-661-8952

Mailing address: 7101 W. Anthony Rd. City: Ocala

State: Fl. Zip: 34479 Population served (not the number of "service connections"): 54

II. CCR Distribution Method. (To be completed by all community water systems. Choose A or B as appropriate.)

☑ **A.** We mailed or otherwise directly delivered a copy of our CCR to each customer on (enter date(s) of mailing or delivery.) June 8, 2023 (Systems that do not use the mailing waiver must mail or otherwise directly deliver a copy of their CCR to each customer.)

☐ **B.** We were eligible to use a mailing waiver and used a mailing waiver. (Systems are eligible to use a mailing waiver only if they serve fewer than 10,000 persons, have not had any MCL or monitoring and reporting (M/R) violations, nor have been issued any formal Notices of Violations (NOVs), Consent Orders, Administrative Orders, or court-ordered civil actions during the calendar year before the year the CCR is due to the customers.)

Answer a, b, **and** c below.)

☐ **a.** Date of newspaper: _____

☐ **b.** Name of newspaper/newsletter that published our CCR: _____

☐ **c.** A copy of our notice to customers, informing them that our CCR will not be mailed to them, is attached. This notice was: ☐ mailed with bill; ☐ published in newspaper/newsletter; or ☐ other (describe)

_____

III. Posting of CCR on the Internet. (To be completed by all CWSs serving 100,000 or more persons.)

☐ We posted our CCR on this publicly accessible Internet Site: _____

IV. Report on Your Effort to Distribute Your CCR to Your Water Consumers.

(To be completed by all CWSs. Check all items that apply - at least 2 items must be checked.)

In addition to the methods selected in Part II,

☐ **A.** We posted our CCR on this publicly accessible Internet _____

☐ **B.** We published our CCR in the local newspaper(s). The name(s) and date(s) of the newspaper(s) are:

_____

☑ G. Our CCR was distributed by other methods (e.g., additional copies placed in entrance hall to facility). Describe.
The CCR was hand delivered to each resident.

V. Use of Non-English Language in CCR. (To be completed by all community water systems.)

☐ Information in a non-English language was included in our CCR because 20% or more of our customers do not speak English but speak _____. The method we used to determine the proportion of non-English speaking customers is _____

☑ This requirement does not apply to our system, because we have no non-English speaking group among our customers equal to or exceeding 20% of our total number of customers.

VI. Other Delivery Requirements. (To be completed by all community water systems.)

(A) Was a copy of your CCR sent to your county health department, as required by rule? ☐ Yes ☑ No

(B) Is your system regulated by the Public Service Commission (PSC)? ☐ Yes ☑ No

If Yes, was a copy of your CCR sent to the PSC, as required by rule? ☐ Yes ☐ No

(C) If your system sells water to other systems, have you provided them with either a copy of your CCR or the required consumer confidence information? ☐ Yes ☐ No ☑ Not Applicable

VII. Certification of Delivery of CCR and Compliance with Regulations. (To be completed by all CWSs.)

This statement certifies that the above named community public water system has distributed its CCR for the time period starting January 1, 20__, and ending December 31, 20__, to its customers on (mm/dd/yy) 06/08/2023 and provided the appropriate notices of availability according to the requirements listed in this form, which are also found in Rule 62-550.824, F.A.C. This statement also certifies that the reported information is correct and consistent with the compliance monitoring data for the same period previously submitted to the Department, and that the report has been delivered to the agencies identified in Rules 62-550.824(3)(e)3., and 4., F.A.C.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME (please print): Reuben Law

TITLE: Operator DATE: 6/14/2023

A copy of our CCR is attached.

2022 Annual Drinking Water Quality Report

Cliftwood Mobile Home Community
PWS #3420216

We're pleased to present to you this year's ***Annual Drinking Water Quality Report****. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.*

The source of our water is groundwater from a well located in the community. The well draws from the Floridian aquifer, one of the world's most protected sources. Our water is chlorinated for disinfection purposes. In 2022, the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There were 2 potential sources of contamination identified for this water system with low susceptibility concerns. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at **www.dep.state.fl.us/swapp**.

If you have questions about this report or concerning your water utility please contact ***Reuben Law, R and K Environmental, LLC (water operator) at (352)661-8952****, during normal business hours. We encourage our valued customers to be informed about their water utility.*

Cliftwood Mobile Home Community *routinely monitor for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2022. Data obtained before January 1, 2022 and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. Additional information can be obtained from EPA at their Safe drinking Water Hotline (800-426-4791).*

This Report shows our water quality results and what they mean.

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

Maximum Contaminant Level or MCL*: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.*
Maximum Contaminant Level Goal or MCLG: *The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.*
Action *Level* (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Maximum *residual* disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum *residual* disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
"ND" *means* not detected and indicates that the substance was not found by laboratory analysis.
Parts per billion (ppb) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample.
Parts per *million* (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.
Picocurie Per Liter (pCi/L) Measure of the radioactivity in water

Water Quality Test Results

Stage 2 Disinfectants and Disinfection By-Products							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation (Y/N)**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Chlorine (ppm)	01/22-12/22	N	1.18	0.26 – 2.10	MRDLG = 4.00	MRDL= 4.00	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	7/21	N	6.22	N/A	N/A	60.00	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	7/21	N	2.33	N/A	N/A	80.00	By-product of drinking water disinfection

Inorganic Contaminants							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Arsenic (ppb)	2/21	N	1.3	N/A	0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	2/21	N	0.0075	N/A	2	2	Discharge of drilling wastes, erosion of natural deposits
Chromium(ppb)	2/21	N	2.20	N/A	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Nickel(ppb)	2/21	N	1.40	N/A	N/A	100	Pollution from mining and refining operations. Natural occurrence in soil
Nitrate(as Nitrogen)(ppm)	4/22	N	0.85	N/A	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits

Selenium(ppb)	2/21	N	5.90	N/A	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium(ppm)	2/21	N	7.95	N/A	N/A	160	Salt water intrusion, leaching from soil

Lead and Copper (Tap Water)							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**AL Exceeded (Y/N)**	**90th Percentile Result**	**No. of sampling sites exceeding the AL**	**MCLG**	**AL (Action Level)**	**Likely Source of Contamination**
Copper(ppm)	8/21	N	0.0665	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	8/21	N	1.05	0	0	0	Corrosion of household plumbing systems; erosion of natural deposits

The Environmental Protection Agency (EPA) requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table above are the only contaminants detected in your drinking water.

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. There were no exceedances.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Sunset Harbor Water System is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) *Inorganic contaminants,* such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) *Organic chemical contaminants,* including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

(E) *Radioactive contaminants,* which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and the microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call (352) 661-8952.

Certification of Delivery of Consumer Confidence Report

GENERAL INSTRUCTIONS: This form shall be completed by all community water systems (CWSs) that have prepared a Consumer Confidence Report (CCR) in accordance with Rule 62-550.824, F.A.C., Consumer Confidence Reports. At the end of this form is a certification in which a system's authorized representative shall certify that the reported information is accurate and is in conformance with Rule 62-550.824, F.A.C. **COMPLETE THIS FORM AND SUBMIT IT BY AUGUST 10,** together with a copy of your system's CCR, and any newspaper notice(s) and posted notice(s) of your CCR, to the appropriate DEP district office or Approved County Health Department (ACHD). Systems serving 100,000 or more persons posting their CCRs on publicly accessible Internet sites shall provide the information on the appropriate Internet link(s). All information provided on this form must be typed or printed in ink.

I. General Water System Information. (To be completed by all community water systems.)

System name: Crystal Acres MHP
Contact person: Reuben Law
PWS Identification number (PWS-ID): 6090411
Contact phone number: 352-661-8952
Mailing address: 2850 Crede Ave.
City: Crystal River
State: Fl. Zip: 34429 Population served (not the number of "service connections"): 75

II. CCR Distribution Method. (To be completed by all community water systems. Choose A or B as appropriate.)

☑ **A.** We mailed or otherwise directly delivered a copy of our CCR to each customer on (enter date(s) of mailing or delivery.) June 12, 2023 (Systems that do not use the mailing waiver must mail or otherwise directly deliver a copy of their CCR to each customer.)

☐ **B.** We were eligible to use a mailing waiver and used a mailing waiver. (Systems are eligible to use a mailing waiver only if they serve fewer than 10,000 persons, have not had any MCL or monitoring and reporting (M/R) violations, nor have been issued any formal Notices of Violations (NOVs), Consent Orders, Administrative Orders, or court-ordered civil actions during the calendar year before the year the CCR is due to the customers.) Answer a, b, **and** c below.)

☐ **a.** Date of newspaper: _____

☐ **b.** Name of newspaper/newsletter that published our CCR: _____

☐ **c.** A copy of our notice to customers, informing them that our CCR will not be mailed to them, is attached. This notice was: ☐ mailed with bill; ☐ published in newspaper/newsletter; or ☐ other (describe)

_____

III. Posting of CCR on the Internet. (To be completed by all CWSs serving 100,000 or more persons.)

☐ We posted our CCR on this publicly accessible Internet Site: _____

IV. Report on Your Effort to Distribute Your CCR to Your Water Consumers.

(To be completed by all CWSs. Check all items that apply - at least 2 items must be checked.)

In addition to the methods selected in Part II,

☐ **A.** We posted our CCR on this publicly accessible Internet _____

☐ **B.** We published our CCR in the local newspaper(s). The name(s) and date(s) of the newspaper(s) are:

_____

☑ G. Our CCR was distributed by other methods (e.g., additional copies placed in entrance hall to facility). Describe.
A copy of the CCR was hand delivered to each resident. There is no community hall or public location to post.

V. Use of Non-English Language in CCR. (To be completed by all community water systems.)

☐ Information in a non-English language was included in our CCR because 20% or more of our customers do not speak English but speak _____. The method we used to determine the proportion of non-English speaking customers is _____

☑ This requirement does not apply to our system, because we have no non-English speaking group among our customers equal to or exceeding 20% of our total number of customers.

VI. Other Delivery Requirements. (To be completed by all community water systems.)

(A) Was a copy of your CCR sent to your county health department, as required by rule? ☐ Yes ☑ No

(B) Is your system regulated by the Public Service Commission (PSC)? ☐ Yes ☑ No

If Yes, was a copy of your CCR sent to the PSC, as required by rule? ☐ Yes ☐ No

(C) If your system sells water to other systems, have you provided them with either a copy of your CCR or the required consumer confidence information? ☐ Yes ☐ No ☑ Not Applicable

VII. Certification of Delivery of CCR and Compliance with Regulations. (To be completed by all CWSs.)

This statement certifies that the above named community public water system has distributed its CCR for the time period starting January 1, 20__, and ending December 31, 20__, to its customers on (mm/dd/yy) 06/12/2023 and provided the appropriate notices of availability according to the requirements listed in this form, which are also found in Rule 62-550.824, F.A.C. This statement also certifies that the reported information is correct and consistent with the compliance monitoring data for the same period previously submitted to the Department, and that the report has been delivered to the agencies identified in Rules 62-550.824(3)(e)3., and 4., F.A.C.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME (please print): Reuben Law

TITLE: Operator DATE: 6/14/2023

A copy of our CCR is attached.

2022 Annual Drinking Water Quality Report

Crystal Acres MHP Water System
PWS #6090411

*We're pleased to present to you this year's **Annual Drinking Water Quality Report**. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.*

*The source of our water is groundwater from a well located in the community. The well draws from the Floridian aquifer, one of the world's most protected sources. Our water is chlorinated for disinfection purposes. In 2022, the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There were **two** potential sources of contamination identified for this water system with **Low** susceptibility. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at* **www.dep.state.fl.us/swapp**.

*If you have questions about this report or concerning your water utility please contact **Reuben Law, R and K Environmental, LLC (water operator) at (352)661-8952**, during normal business hours. We encourage our valued customers to be informed about their water utility.*

We *routinely monitor for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2022. Data obtained before January 1, 2022 and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. Additional information can be obtained from EPA at their Safe drinking Water Hotline (800-426-4791).*

This Report shows our water quality results and what they mean.

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

***Maximum Contaminant Level or MCL:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.*
***Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.*
Action *Level* (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Maximum *residual* disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum *residual* disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
"ND" *means* not detected and indicates that the substance was not found by laboratory analysis.
Parts per billion (ppb) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample.
Parts per *million* (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.
Picocurie Per Liter (pCi/L) Measure of the radioactivity in water

Water Quality Test Results

Stage 2 Disinfectants and Disinfection By-Products							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation (Y/N)**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Chlorine (ppm)	01/22-12/22	N	1.30	0.60 – 2.00	MRDLG = 4 00	MRDL= 4.00	Water additive used to control microbes
Total Trihalomethanes (TTHM) (ppb)	7/21	N	0.54	N/A	N/A	80.00	By-product of drinking water disinfection

Inorganic Contaminants							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Barium (ppm)	1/21	N	0.0014	N/A	2	2	Discharge of drilling wastes, erosion of natural deposits
Nitrate (as Nitrogen) ppm	1/22	N	0.6	N/A	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits
Sodium(ppm)	1/21	N	3.0	N/A	N/A	160	Salt water intrusion, leaching from soil

Lead and Copper (Tap Water)							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**AL Exceeded (Y/N)**	**90th Percentile Result**	**No. of sampling sites exceeding the AL**	**MCLG**	**AL (Action Level)**	**Likely Source of Contamination**
Copper(ppm)	6/21	N	0.015	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

The Environmental Protection Agency (EPA) requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table above are the only contaminants detected in your drinking water.

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. There were no exceedances.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home

plumbing. Crystal Acres MHP Water System is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800)426-4791 or at http://www.epa.gov/safewater/lead.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) *Inorganic contaminants,* such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) *Organic chemical contaminants,* including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

(E) *Radioactive contaminants,* which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800)426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and the microbiological contaminants are available from the Safe Drinking Water Hotline (800)426-4791.

We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call (352) 661-8952.

Certification of Delivery of Consumer Confidence Report

GENERAL INSTRUCTIONS: This form shall be completed by all community water systems (CWSs) that have prepared a Consumer Confidence Report (CCR) in accordance with Rule 62-550.824, F.A.C., Consumer Confidence Reports. At the end of this form is a certification in which a system's authorized representative shall certify that the reported information is accurate and is in conformance with Rule 62-550.824, F.A.C. **COMPLETE THIS FORM AND SUBMIT IT BY AUGUST 10,** together with a copy of your system's CCR, and any newspaper notice(s) and posted notice(s) of your CCR, to the appropriate DEP district office or Approved County Health Department (ACHD). Systems serving 100,000 or more persons posting their CCRs on publicly accessible Internet sites shall provide the information on the appropriate Internet link(s). All information provided on this form must be typed or printed in ink.

I. General Water System Information. (To be completed by all community water systems.)

System name: Landfair Subdivision Community , Contact person: Reuben Law

PWS Identification number (PWS-ID): 3424690 Contact phone number: 352-661-8952

Mailing address: NE 78th & CR 200A City: Ocala

State: Fl. Zip: 34478 Population served (not the number of "service connections"): 580

II. CCR Distribution Method. (To be completed by all community water systems. Choose A or B as appropriate.)

☑ **A.** We mailed or otherwise directly delivered a copy of our CCR to each customer on (enter date(s) of mailing or delivery.) June 13, 2023 (Systems that do not use the mailing waiver must mail or otherwise directly deliver a copy of their CCR to each customer.)

☐ **B.** We were eligible to use a mailing waiver and used a mailing waiver. (Systems are eligible to use a mailing waiver only if they serve fewer than 10,000 persons, have not had any MCL or monitoring and reporting (M/R) violations, nor have been issued any formal Notices of Violations (NOVs), Consent Orders, Administrative Orders, or court-ordered civil actions during the calendar year before the year the CCR is due to the customers.) Answer a, b, **and** c below.)

- ☐ **a.** Date of newspaper: _____
- ☐ **b.** Name of newspaper/newsletter that published our CCR: _____
- ☐ **c.** A copy of our notice to customers, informing them that our CCR will not be mailed to them, is attached. This notice was: ☐ mailed with bill; ☐ published in newspaper/newsletter; or ☐ other (describe)

_____

III. Posting of CCR on the Internet. (To be completed by all CWSs serving 100,000 or more persons.)

☐ We posted our CCR on this publicly accessible Internet Site: _____

IV. Report on Your Effort to Distribute Your CCR to Your Water Consumers.

(To be completed by all CWSs. Check all items that apply - at least 2 items must be checked.)

In addition to the methods selected in Part II,

☐ **A.** We posted our CCR on this publicly accessible Internet _____

☐ **B.** We published our CCR in the local newspaper(s). The name(s) and date(s) of the newspaper(s) are:

_____

☑ G. Our CCR was distributed by other methods (e.g., additional copies placed in entrance hall to facility). Describe.
The CCR was hand delivered to each resident.

V. Use of Non-English Language in CCR. (To be completed by all community water systems.)

☐ Information in a non-English language was included in our CCR because 20% or more of our customers do not speak English but speak _____. The method we used to determine the proportion of non-English speaking customers is _____

☑ This requirement does not apply to our system, because we have no non-English speaking group among our customers equal to or exceeding 20% of our total number of customers.

VI. Other Delivery Requirements. (To be completed by all community water systems.)

(A) Was a copy of your CCR sent to your county health department, as required by rule? ☐ Yes ☑ No

(B) Is your system regulated by the Public Service Commission (PSC)? ☐ Yes ☑ No

If Yes, was a copy of your CCR sent to the PSC, as required by rule? ☐ Yes ☐ No

(C) If your system sells water to other systems, have you provided them with either a copy of your CCR or the required consumer confidence information? ☐ Yes ☐ No ☑ Not Applicable

VII. Certification of Delivery of CCR and Compliance with Regulations. (To be completed by all CWSs.)

This statement certifies that the above named community public water system has distributed its CCR for the time period starting January 1, 20__, and ending December 31, 20__, to its customers on (mm/dd/yy) 06/08/2023 and provided the appropriate notices of availability according to the requirements listed in this form, which are also found in Rule 62-550.824, F.A.C. This statement also certifies that the reported information is correct and consistent with the compliance monitoring data for the same period previously submitted to the Department, and that the report has been delivered to the agencies identified in Rules 62-550.824(3)(e)3., and 4., F.A.C.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME (please print): Reuben Law

TITLE: Operator DATE: 6/14/2023

A copy of our CCR is attached.

2022 Annual Drinking Water Quality Report

Landfair Subdivision
PWS #3424690

*We're pleased to present to you this year's **Annual Drinking Water Quality Report**. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.*

*The source of our water is groundwater from two wells located in the community. The wells draw from the Floridian aquifer, one of the world's most protected sources. Our water is chlorinated for disinfection purposes. In 2022, the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are 2 potential sources of contamination identified for this water system with a **LOW** susceptibility level. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at* **www.dep.state.fl.us/swapp**.

*If you have questions about this report or concerning your water utility please contact **Deborah Dillon (352)622-4949**, during normal business hours. We encourage our valued customers to be informed about their water utility.*

We *routinely monitor for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2022. Data obtained before January 1, 2022 and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. Additional information can be obtained from EPA at their Safe drinking Water Hotline (800-426-4791).*

This Report shows our water quality results and what they mean.

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

***Maximum Contaminant Level or MCL**: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.*
***Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.*
Action *Level* (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Maximum *residual* disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum *residual* disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
"**ND**" *means* not detected and indicates that the substance was not found by laboratory analysis.
Parts per billion (ppb) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample.
Parts per *million* (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.
Picocurie Per Liter (pCi/L) Measure of the radioactivity in water

Water Quality Test Results

Stage 2 Disinfectants and Disinfection By-Products							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation (Y/N)**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Chlorine (ppm)	01/22-12/22	N	1.20	0.20 – 2.20	MRDLG = 4.00	MRDL= 4.00	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	11/22	N	15.06	14.68 – 15.44	N/A	60.00	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	11/22	N	42.99	40.48 – 45.49	N/A	80.00	By-product of drinking water disinfection

Inorganic Contaminants							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Arsenic (ppb)	8/21	N	0.6	N/A	10	10	Erosion of natural deposits
Barium (ppm)	8/21	N	0.0046	N/A	2	2	Discharge of drilling wastes, erosion of natural deposits
Nitrate (as Nitrogen) ppm	4/22	N	0.63	N/A	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits
Sodium(ppm)	8/21	N	18	N/A	N/A	160	Salt water intrusion, leaching from soil

Lead and Copper (Tap Water)							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**AL Exceeded (Y/N)**	**90th Percentile Result**	**No. of sampling sites exceeding the AL**	**MCLG**	**AL (Action Level)**	**Likely Source of Contamination**
Lead(ppb)	7/21	N	1.2	0	0	15	Corrosion of household plumbing systems, erosion of natural deposits
Copper(ppm)	7/21	N	0.032	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Radioactive Contaminants							

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation (Y/N)	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Alpha emitters(pCi/L)	7/21	N	4.2	N/A	0	15	Erosion of natural deposits

The Environmental Protection Agency (EPA) requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table above are the only contaminants detected in your drinking water.

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards.

The system had 2 violations during the 2022 year: In March, the bacterialogical sample results were submitted late. Also, the disinfection byproducts were collected and reported late. There was no risk to health due to the violations.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Landfair Subdivision is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) *Inorganic contaminants,* such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) *Organic chemical contaminants,* including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

(E) *Radioactive contaminants,* which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and the microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call (352) 622-4949.

Certification of Delivery of Consumer Confidence Report

GENERAL INSTRUCTIONS: This form shall be completed by all community water systems (CWSs) that have prepared a Consumer Confidence Report (CCR) in accordance with Rule 62-550.824, F.A.C., Consumer Confidence Reports. At the end of this form is a certification in which a system's authorized representative shall certify that the reported information is accurate and is in conformance with Rule 62-550.824, F.A.C. **COMPLETE THIS FORM AND SUBMIT IT BY AUGUST 10,** together with a copy of your system's CCR, and any newspaper notice(s) and posted notice(s) of your CCR, to the appropriate DEP district office or Approved County Health Department (ACHD). Systems serving 100,000 or more persons posting their CCRs on publicly accessible Internet sites shall provide the information on the appropriate Internet link(s). All information provided on this form must be typed or printed in ink.

I. General Water System Information. (To be completed by all community water systems.)

System name: Sunset Harbor Community Contact person: Reuben Law

PWS Identification number (PWS-ID): 3425111 Contact phone number: 352-661-8952

Mailing address: 15845 SE 105th Terrace City: Summerfield

State: Fl. Zip: 34491 Population served (not the number of "service connections"): 25

II. CCR Distribution Method. (To be completed by all community water systems. Choose A or B as appropriate.)

☑ **A.** We mailed or otherwise directly delivered a copy of our CCR to each customer on (enter date(s) of mailing or delivery.) June 8, 2023 (Systems that do not use the mailing waiver must mail or otherwise directly deliver a copy of their CCR to each customer.)

☐ **B.** We were eligible to use a mailing waiver and used a mailing waiver. (Systems are eligible to use a mailing waiver only if they serve fewer than 10,000 persons, have not had any MCL or monitoring and reporting (M/R) violations, nor have been issued any formal Notices of Violations (NOVs), Consent Orders, Administrative Orders, or court-ordered civil actions during the calendar year before the year the CCR is due to the customers.) Answer a, b, **and** c below.)

- ☐ **a.** Date of newspaper: _____
- ☐ **b.** Name of newspaper/newsletter that published our CCR: _____
- ☐ **c.** A copy of our notice to customers, informing them that our CCR will not be mailed to them, is attached. This notice was: ☐ mailed with bill; ☐ published in newspaper/newsletter; or ☐ other (describe)

_____

III. Posting of CCR on the Internet. (To be completed by all CWSs serving 100,000 or more persons.)

☐ We posted our CCR on this publicly accessible Internet Site: _____

IV. Report on Your Effort to Distribute Your CCR to Your Water Consumers.

(To be completed by all CWSs. Check all items that apply - at least 2 items must be checked.)

In addition to the methods selected in Part II,

☐ **A.** We posted our CCR on this publicly accessible Internet _____

☐ **B.** We published our CCR in the local newspaper(s). The name(s) and date(s) of the newspaper(s) are:

_____

☑ G. Our CCR was distributed by other methods (e.g., additional copies placed in entrance hall to facility). Describe. The CCR was hand delivered to each resident. There is no community clubhouse or public posting location.

V. Use of Non-English Language in CCR. (To be completed by all community water systems.)

☐ Information in a non-English language was included in our CCR because 20% or more of our customers do not speak English but speak _____. The method we used to determine the proportion of non-English speaking customers is _____

☑ This requirement does not apply to our system, because we have no non-English speaking group among our customers equal to or exceeding 20% of our total number of customers.

VI. Other Delivery Requirements. (To be completed by all community water systems.)

(A) Was a copy of your CCR sent to your county health department, as required by rule? ☐ Yes ☑ No

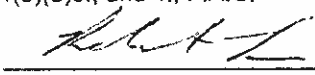
(B) Is your system regulated by the Public Service Commission (PSC)? ☐ Yes ☑ No

If Yes, was a copy of your CCR sent to the PSC, as required by rule? ☐ Yes ☐ No

(C) If your system sells water to other systems, have you provided them with either a copy of your CCR or the required consumer confidence information? ☐ Yes ☐ No ☑ Not Applicable

VII. Certification of Delivery of CCR and Compliance with Regulations. (To be completed by all CWSs.)

This statement certifies that the above named community public water system has distributed its CCR for the time period starting January 1, 20__, and ending December 31, 20__, to its customers on (mm/dd/yy) 06/08/2023 and provided the appropriate notices of availability according to the requirements listed in this form, which are also found in Rule 62-550.824, F.A.C. This statement also certifies that the reported information is correct and consistent with the compliance monitoring data for the same period previously submitted to the Department, and that the report has been delivered to the agencies identified in Rules 62-550.824(3)(e)3., and 4., F.A.C.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: 

NAME (please print): Reuben Law

TITLE: Operator DATE: 6/14/2023

A copy of our CCR is attached.

2022 Annual Drinking Water Quality Report

Sunset Harbor Water System
PWS #3425111

We're pleased to present to you this year's ***Annual Drinking Water Quality Report****. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.*

The source of our water is groundwater from a well located in the community. The well draws from the Floridian aquifer, one of the world's most protected sources. Our water is chlorinated for disinfection purposes. In 2022, the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There was no potential source of contamination identified for this water system. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at **www.dep.state.fl.us/swapp**.

If you have questions about this report or concerning your water utility please contact ***Reuben Law, R and K Environmental, LLC (water operator) at (352)661-8952****, during normal business hours. We encourage our valued customers to be informed about their water utility.*

We *routinely monitor for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2022. Data obtained before January 1, 2022 and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. Additional information can be obtained from EPA at their Safe drinking Water Hotline (800-426-4791).*

This Report shows our water quality results and what they mean.

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

Maximum Contaminant Level or MCL*: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.*
Maximum Contaminant Level Goal or MCLG: *The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.*
Action *Level* (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Maximum *residual* disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum *residual* disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
"ND" *means* not detected and indicates that the substance was not found by laboratory analysis.
Parts per billion (ppb) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample.
Parts per *million* (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.
Picocurie Per Liter (pCi/L) Measure of the radioactivity in water

Water Quality Test Results

Stage 2 Disinfectants and Disinfection By-Products							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation (Y/N)**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Chlorine (ppm)	01/22-12/22	N	1.13	0.25 – 2.00	MRDLG = 4.00	MRDL= 4.00	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	7/21	N	26.7	N/A	N/A	60.00	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	7/21	N	2.33	N/A	N/A	80.00	By-product of drinking water disinfection

Inorganic Contaminants							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Barium (ppm)	2/21	N	0.0045	N/A	2	2	Discharge of drilling wastes, erosion of natural deposits
Chromium (ppb)	2/21	N	1.8	N/A	100	100	Erosion of natural deposits
Nitrate (as Nitrogen) ppm	4/22	N	1.59	N/A	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits
Sodium(ppm)	2/21	N	9.72	N/A	N/A	160	Salt water intrusion, leaching from soil

Lead and Copper (Tap Water)							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**AL Exceeded (Y/N)**	**90th Percentile Result**	**No. of sampling sites exceeding the AL**	**MCLG**	**AL (Action Level)**	**Likely Source of Contamination**
Copper(ppm)	6/21	N	0.643	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

The Environmental Protection Agency (EPA) requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table above are the only contaminants detected in your drinking water.

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. There were no exceedances.

However there was 1 violation as the March bacteriological sample results were reported late.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Sunset Harbor Water System is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) *Inorganic contaminants,* such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) *Organic chemical contaminants,* including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

(E) *Radioactive contaminants,* which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and the microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call (352) 661-8952.

Certification of Delivery of Consumer Confidence Report

GENERAL INSTRUCTIONS: This form shall be completed by all community water systems (CWSs) that have prepared a Consumer Confidence Report (CCR) in accordance with Rule 62-550.824, F.A.C., Consumer Confidence Reports. At the end of this form is a certification in which a system's authorized representative shall certify that the reported information is accurate and is in conformance with Rule 62-550.824, F.A.C. **COMPLETE THIS FORM AND SUBMIT IT BY AUGUST 10,** together with a copy of your system's CCR, and any newspaper notice(s) and posted notice(s) of your CCR, to the appropriate DEP district office or Approved County Health Department (ACHD). Systems serving 100,000 or more persons posting their CCRs on publicly accessible Internet sites shall provide the information on the appropriate Internet link(s). All information provided on this form must be typed or printed in ink.

I. General Water System Information. (To be completed by all community water systems.)

System name: Tradewinds Village Community
Contact person: Reuben Law
PWS Identification number (PWS-ID): 3424620
Contact phone number: 352-661-8952
Mailing address: NE 43rd Place & NE 27th Ct.
City: Ocala
State: Fl. Zip: 34478 Population served (not the number of "service connections"): 1313

II. CCR Distribution Method. (To be completed by all community water systems. Choose A or B as appropriate.)

☑ **A.** We mailed or otherwise directly delivered a copy of our CCR to each customer on (enter date(s) of mailing or delivery.) June 12, 2023 (Systems that do not use the mailing waiver must mail or otherwise directly deliver a copy of their CCR to each customer.)

☐ **B.** We were eligible to use a mailing waiver and used a mailing waiver. (Systems are eligible to use a mailing waiver only if they serve fewer than 10,000 persons, have not had any MCL or monitoring and reporting (M/R) violations, nor have been issued any formal Notices of Violations (NOVs), Consent Orders, Administrative Orders, or court-ordered civil actions during the calendar year before the year the CCR is due to the customers.) Answer a, b, **and** c below.)

☐ **a.** Date of newspaper: _____

☐ **b.** Name of newspaper/newsletter that published our CCR: _____

☐ **c.** A copy of our notice to customers, informing them that our CCR will not be mailed to them, is attached. This notice was: ☐ mailed with bill; ☐ published in newspaper/newsletter; or ☐ other (describe)

_____

III. Posting of CCR on the Internet. (To be completed by all CWSs serving 100,000 or more persons.)

☐ We posted our CCR on this publicly accessible Internet Site: _____

IV. Report on Your Effort to Distribute Your CCR to Your Water Consumers.

(To be completed by all CWSs. Check all items that apply - at least 2 items must be checked.)

In addition to the methods selected in Part II,

☐ **A.** We posted our CCR on this publicly accessible Internet _____

☐ **B.** We published our CCR in the local newspaper(s). The name(s) and date(s) of the newspaper(s) are:

☑ **G.** Our CCR was distributed by other methods (e.g., additional copies placed in entrance hall to facility). Describe.
The CCR was hand delivered to each resident.

V. Use of Non-English Language in CCR. (To be completed by all community water systems.)

☐ Information in a non-English language was included in our CCR because 20% or more of our customers do not speak English but speak _____. The method we used to determine the proportion of non-English speaking customers is _____

☑ This requirement does not apply to our system, because we have no non-English speaking group among our customers equal to or exceeding 20% of our total number of customers.

VI. Other Delivery Requirements. (To be completed by all community water systems.)

(A) Was a copy of your CCR sent to your county health department, as required by rule? ☐ Yes ☑ No

(B) Is your system regulated by the Public Service Commission (PSC)? ☐ Yes ☑ No

If Yes, was a copy of your CCR sent to the PSC, as required by rule? ☐ Yes ☐ No

(C) If your system sells water to other systems, have you provided them with either a copy of your CCR or the required consumer confidence information? ☐ Yes ☐ No ☑ Not Applicable

VII. Certification of Delivery of CCR and Compliance with Regulations. (To be completed by all CWSs.)

This statement certifies that the above named community public water system has distributed its CCR for the time period starting January 1, 20__, and ending December 31, 20__, to its customers on (mm/dd/yy) 06/12/2023 and provided the appropriate notices of availability according to the requirements listed in this form, which are also found in Rule 62-550.824, F.A.C. This statement also certifies that the reported information is correct and consistent with the compliance monitoring data for the same period previously submitted to the Department, and that the report has been delivered to the agencies identified in Rules 62-550.824(3)(e)3., and 4., F.A.C.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME (please print): Reuben Law

TITLE: Operator DATE: 6/14/2023

A copy of our CCR is attached.

2022 Annual Drinking Water Quality Report

Tradewinds Village
PWS #3424620

*We're pleased to present to you this year's **Annual Drinking Water Quality Report**. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.*

*The source of our water is groundwater from three wells located in the community. The wells draw from the Floridian aquifer, one of the world's most protected sources. Our water is chlorinated for disinfection purposes. In 2022, the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There was **NO** potential source of contamination identified for this water system. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at* **www.dep.state.fl.us/swapp**.

*If you have questions about this report or concerning your water utility please contact **Deborah Dillon (352)622-4949**, during normal business hours. We encourage our valued customers to be informed about their water utility.*

We routinely monitor for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2022. Data obtained before January 1, 2022 and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. Additional information can be obtained from EPA at their Safe drinking Water Hotline (800-426-4791).

This Report shows our water quality results and what they mean.

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

***Maximum Contaminant Level or MCL:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.*
***Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.*
Action *Level* (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Maximum *residual* disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum *residual* disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
"ND" *means* not detected and indicates that the substance was not found by laboratory analysis.
Parts per billion (ppb) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample.
Parts per *million* (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.
Picocurie Per Liter (pCi/L) Measure of the radioactivity in water

Water Quality Test Results

Stage 2 Disinfectants and Disinfection By-Products

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation (Y/N)	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Chlorine (ppm)	01/22-12/22	N	1.20	0.20 – 2.20	MRDLG = 4.00	MRDL= 4.00	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppb)	11/22	N	5.49	5.09 - 5.88	N/A	60.00	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	11/22	N	17.9	15.82 - 19.98	N/A	80.00	By-product of drinking water disinfection

Inorganic Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Arsenic (ppb)	8/21	N	1.0	N/A	10	10	Erosion of natural deposits
Lead (ppb)	8/21	N	3.0	N/A	0	15	Erosion of natural deposits
Nitrate (as Nitrogen) ppm	4/22	N	0.62	N/A	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits
Sodium(ppm)	8/21	N	6.9	N/A	N/A	160	Salt water intrusion, leaching from soil

Lead and Copper (Tap Water)

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	AL Exceeded (Y/N)	90th Percentile Result	No. of sampling sites exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Lead(ppb)	8/21	N	0.7	0	0	15	Corrosion of household plumbing systems, erosion of natural deposits
Copper(ppm)	8/21	N	0.015	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

The Environmental Protection Agency (EPA) requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table above are the only contaminants detected in your drinking water.

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards.

There was a violation due to late collection of the disinfection by-product samples TTHM's and HAA5's. The samples were collected after the due date and reported late causing the violation. *Haloacetic acids (five) (HAA5): Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer. TTHM [Total Trihalomethanes]. Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer. Sample results can be found in this report.*

Due to administrative oversight during a busy part of the year, our office failed to submit the Lead and Copper report required under the Safe Drinking Water Act. This violation has no impact on the quality of the water our consumers received, and it poses no risk to public health. We have established a report tracking file to ensure that all reporting requirements are met in the future."

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Tradewinds Village is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) *Inorganic contaminants,* such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) *Organic chemical contaminants,* including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

(E) *Radioactive contaminants,* which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and the microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call (352) 622-4949.

Certification of Delivery of Consumer Confidence Report

GENERAL INSTRUCTIONS: This form shall be completed by all community water systems (CWSs) that have prepared a Consumer Confidence Report (CCR) in accordance with Rule 62-550.824, F.A.C., Consumer Confidence Reports. At the end of this form is a certification in which a system's authorized representative shall certify that the reported information is accurate and is in conformance with Rule 62-550.824, F.A.C. **COMPLETE THIS FORM AND SUBMIT IT BY AUGUST 10,** together with a copy of your system's CCR, and any newspaper notice(s) and posted notice(s) of your CCR, to the appropriate DEP district office or Approved County Health Department (ACHD). Systems serving 100,000 or more persons posting their CCRs on publicly accessible Internet sites shall provide the information on the appropriate Internet link(s). All information provided on this form must be typed or printed in ink.

I. General Water System Information. (To be completed by all community water systems.)

System name: Tropicana Village Community Contact person: Reuben Law

PWS Identification number (PWS-ID): 3424659 Contact phone number: 352-661-8952

Mailing address: 4744 SE 132nd Place City: Belleview

State: Fl. Zip: 34420 Population served (not the number of "service connections"): 115

II. CCR Distribution Method. (To be completed by all community water systems. Choose A or B as appropriate.)

☑ **A.** We mailed or otherwise directly delivered a copy of our CCR to each customer on (enter date(s) of mailing or delivery.) June 9, 2023 (Systems that do not use the mailing waiver must mail or otherwise directly deliver a copy of their CCR to each customer.)

☐ **B.** We were eligible to use a mailing waiver and used a mailing waiver. (Systems are eligible to use a mailing waiver only if they serve fewer than 10,000 persons, have not had any MCL or monitoring and reporting (M/R) violations, nor have been issued any formal Notices of Violations (NOVs), Consent Orders, Administrative Orders, or court-ordered civil actions during the calendar year before the year the CCR is due to the customers.)

Answer a. b. **and** c below.)

☐ **a.** Date of newspaper: _____

☐ **b.** Name of newspaper/newsletter that published our CCR: _____

☐ **c.** A copy of our notice to customers, informing them that our CCR will not be mailed to them, is attached. This notice was: ☐ mailed with bill; ☐ published in newspaper/newsletter; or ☐ other (describe)

_____

III. Posting of CCR on the Internet. (To be completed by all CWSs serving 100,000 or more persons.)

☐ We posted our CCR on this publicly accessible Internet Site: _____

IV. Report on Your Effort to Distribute Your CCR to Your Water Consumers.

(To be completed by all CWSs. Check all items that apply - at least 2 items must be checked.)

In addition to the methods selected in Part II,

☐ **A.** We posted our CCR on this publicly accessible Internet _____

☐ **B.** We published our CCR in the local newspaper(s). The name(s) and date(s) of the newspaper(s) are:

☑ G. Our CCR was distributed by other methods (e.g., additional copies placed in entrance hall to facility). Describe.
The CCR was hand delivered to each resident.

V. Use of Non-English Language in CCR. (To be completed by all community water systems.)

☐ Information in a non-English language was included in our CCR because 20% or more of our customers do not speak English but speak _____. The method we used to determine the proportion of non-English speaking customers is _____

☑ This requirement does not apply to our system, because we have no non-English speaking group among our customers equal to or exceeding 20% of our total number of customers.

VI. Other Delivery Requirements. (To be completed by all community water systems.)

(A) Was a copy of your CCR sent to your county health department, as required by rule? ☐ Yes ☑ No

(B) Is your system regulated by the Public Service Commission (PSC)? ☐ Yes ☑ No

If Yes, was a copy of your CCR sent to the PSC, as required by rule? ☐ Yes ☐ No

(C) If your system sells water to other systems, have you provided them with either a copy of your CCR or the required consumer confidence information? ☐ Yes ☐ No ☑ Not Applicable

VII. Certification of Delivery of CCR and Compliance with Regulations. (To be completed by all CWSs.)

This statement certifies that the above named community public water system has distributed its CCR for the time period starting January 1, 20__, and ending December 31, 20__, to its customers on (mm/dd/yy) 06/9/2023 and provided the appropriate notices of availability according to the requirements listed in this form, which are also found in Rule 62-550.824, F.A.C. This statement also certifies that the reported information is correct and consistent with the compliance monitoring data for the same period previously submitted to the Department, and that the report has been delivered to the agencies identified in Rules 62-550.824(3)(e)3. and 4., F.A.C.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME (please print): Reuben Law

TITLE: Operator DATE: 6/14/2023

A copy of our CCR is attached.

2022 Annual Drinking Water Quality Report

Tropicana Village
PWS #3424659

*We're pleased to present to you this year's **Annual Drinking Water Quality Report**. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.*

*The source of our water is groundwater from a well located in the community. The well draws from the Floridian aquifer, one of the world's most protected sources. Our water is chlorinated for disinfection purposes. In 2022, the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There was one **LOW** source of contamination identified for this water system. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at* **www.dep.state.fl.us/swapp**.

*If you have questions about this report or concerning your water utility please contact **Reuben Law, R and K Environmental, LLC (water operator) at (352)661-8952**, during normal business hours. We encourage our valued customers to be informed about their water utility.*

We routinely monitor for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2022. Data obtained before January 1, 2022 and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations. Additional information can be obtained from EPA at their Safe drinking Water Hotline (800)426-4791.

This Report shows our water quality results and what they mean.

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

***Maximum Contaminant Level or MCL:** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.*
***Maximum Contaminant Level Goal or MCLG:** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.*
Action *Level* (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Maximum *residual* disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum *residual* disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
"ND" *means* not detected and indicates that the substance was not found by laboratory analysis.
Parts per billion (ppb) or Micrograms per liter (µg/l): one part by weight of analyte to 1 billion parts by weight of the water sample.
Parts per *million* (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.
Picocurie Per Liter (pCi/L) Measure of the radioactivity in water.

Water Quality Test Results

Stage 2 Disinfectants and Disinfection By-Products							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation (Y/N)**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
79. Chlorine (ppm)	01/22-12/22	N	1.16	0.20 – 2.12	MRDLG = 4.00	MRDL= 4.00	Water additive used to control microbes
83. Haloacetic Acids (HAA5) (ppb)	7/21	N	1.23	N/A	N/A	60.00	By-product of drinking water disinfection
84. Total Trihalomethanes (TTHM) (ppb)	7/21	N	2.22	N/A	N/A	80.00	By-product of drinking water disinfection

Inorganic Contaminants							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Arsenic (ppb)	8/21	N	1.034	N/A	10	10	Erosion of natural deposits
Barium (ppm)	8/21	N	0.0035	N/A	2	2	Discharge of drilling wastes, erosion of natural deposits
Nitrate (as Nitrogen) ppm	4/22	N	2.51	N/A	10	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits
Sodium(ppm)	8/21	N	6.90	N/A	N/A	160	Salt water intrusion, leaching from soil

Lead and Copper (Tap Water)							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**AL Exceeded (Y/N)**	**90th Percentile Result**	**No. of sampling sites exceeding the AL**	**MCLG**	**AL (Action Level)**	**Likely Source of Contamination**
Lead(ppb)	7/21	N	1.4	0	0	15	Corrosion of household plumbing systems, erosion of natural deposits
Copper(ppm)	7/21	N	0.138	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Radioactive Contaminants							
Contaminant and Unit of Measurement	**Dates of sampling (mo/yr)**	**MCL Violation Y/N**	**Level Detected**	**Range of Results**	**MCLG**	**MCL**	**Likely Source of Contamination**
Alpha emitters (pCi/L)	8/21	N	2.1	N/A	0	15	Erosion of natural deposits
Radium 226 + 228 or combined radium (pCi/L)	8/21	N	1.0	ND – 1.0	0	5	Erosion of natural deposits

The Environmental Protection Agency (EPA) requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table above are the only contaminants detected in your drinking water.

The state allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards.

There were no exceedances, however do to an oversight there was a late reporting violation for the March 2022 bacteriological sample results.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Tropicana Village is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) *Inorganic contaminants,* such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

(D) *Organic chemical contaminants,* including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

(E) *Radioactive contaminants,* which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800)426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and the microbiological contaminants are available from the Safe Drinking Water Hotline (800)426-4791.

We are committed to ensuring the quality of your water. If you have any questions or concerns about the information provided, please feel free to call (352) 661-8952.

From:	Amanda Harding
To:	DEP_CD
Cc:	Tim Brooker; Robbie Stroub; Elizabeth Cotos; Kayla Oliver
Subject:	DEP Water Clearance Submittal : Millwood Estates
Date:	Wednesday, August 2, 2023 1:36:08 PM
Attachments:	image001.png image002.png image003.png image004.png

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EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Good Afternoon,

The water clearance submittal package for Millwood Estates has been uploaded to FTP for review/approval:

ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Water%20Electronic%20Applications/Millwood%20Estates%20Water%20Clearance%20Application/

Should you have any questions and/or require any additional information, please let me know.

Thank you!

Amanda Harding

Permit Coordinator

Civil Engineering - Planning - GIS - Landscape Architecture - Environmental

1720 SE 16th Ave., Bldg 100 | Ocala FL 34471

Office: 352-387-4540 x209 | Fax: 352-387-4545

H0928

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

See page 5 for instructions.

I. General Project Information

A. Name of Project: Millwood Estates

B. Department of Environmental Protection (DEP) Construction Permit

Permit Number: 0080675-005-DS	Date Permit Was Issued: 5/11/2022

C. Portion of Project for Which Construction Is Substantially Complete and for Which Clearance Is Requested

☑ Entire Project

☐ Following Portion of Project:

D. Permittee

PWS/Company Name: Armstrong Land, LLC			PWS Identification Number:* 3424620
PWS Type:* ☑ Community	☐ Non-Transient Non-Community	☐ Transient Non-Community	☐ Consecutive
Contact Person: Russell Smith		Contact Person's Title: Vice President	
Contact Person's Mailing Address: 400 SE 44th Rd			
City: Ocala		State: FL	Zip Code: 34480
Contact Person's Telephone Number: 904-380-0853		Contact Person's Fax Number:	
Contact Person's E-Mail Address: Russell.r.smith@lennar.com			

* *This information is required only if the permittee is a public water system (PWS).*

E. Public Water System (PWS) Supplying Water to Project

PWS Name: Tradewinds Utilities			PWS Identification Number: 3424620
PWS Type: ☑ Community	☐ Non-Transient Non-Community	☐ Transient Non-Community	☐ Consecutive
PWS Owner: Tradewinds Utilities			
Contact Person: Charlie DeMenzes		Contact Person's Title: Director/President	
Contact Person's Mailing Address: 1552 SW 7th Road			
City: Ocala		State: FL	Zip Code: 34471
Contact Person's Telephone Number: 352-843-7790 / 352-622-4949		Contact Person's Fax Number:	
Contact Person's E-Mail Address: Charlie@altofo.com			

F. Public Water System (PWS) that Will Own Project After It Is Placed into Permanent Operation

PWS Name: Marion County Utilities			PWS Identification Number:*
PWS Type:* ☑ Community	☐ Non-Transient Non-Community	☐ Transient Non-Community	☐ Consecutive
PWS Owner: Marion County Utilities			
Contact Person: Jody Kirkman, P.E.		Contact Person's Title: Director of Utilities	
Contact Person's Mailing Address: 11800 SE U.S. Highway 441			
City: Belleview		State: FL	Zip Code: 34420
Contact Person's Telephone Number: 352-307-4630		Contact Person's Fax Number:	
Contact Person's E-Mail Address: Jody.kirkman@marionfl.org			

* *This information is required only if the owner/operator is an existing PWS.*

G. Professional Engineer in Responsible Charge of Inspecting Construction of Project*

Company Name: Tillman and Associates Engineering, LLC		
Engineer: Timothy Brooker	Engineer's Florida License Number: 79259	
Engineer's Title: Professional Engineer		
Engineer's Mailing Address: 1720 SE 16th Ave, Building 100		
City: Ocala	State: FL	Zip Code: 34471
Engineer's Telephone Number: 352-387-4540	Engineer's Fax Number:	
Engineer's E-Mail Address: permits@tillmaneng.com		

* *This information is required if construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida. Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

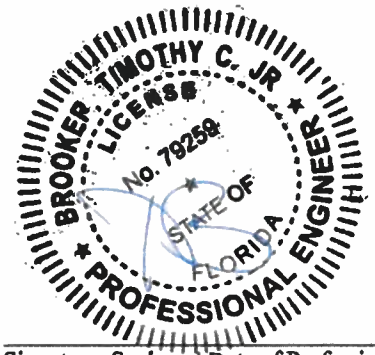
DEP Construction Permit Number: 0080675-005-DS
Substantially Complete Portion of Project if Other than Entire Project:

II. Deviations from Department of Environmental Protection (DEP) Construction Permit for Project*

Description and explanation of all deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, for the substantially complete portion of this project:

N/A

I completed Part II of this form, and the information provided in Part II is true and accurate to the best of my knowledge and belief.



7-26-23	Timothy C. Brooker	79259
Signature, Seal, and Date of Professional Engineer or Signature and Date of Authorized Representative of Permittee*	Printed or Typed Name	License Number of Professional Engineer or Title of Authorized Representative of Permittee*

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part II of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is <u>not</u> inspected under the responsible charge of a professional engineer licensed in Florida, Part II shall be completed, signed, and dated by an authorized representative of the permittee.*

III. Certifications

A. Certification by Permittee

I am duly authorized to sign this form on behalf of the permittee identified in Part I.D of this form. I certify the following:

- to the best of my knowledge and belief, the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- to the best of my knowledge and belief, the substantially complete portion of this project has been completed in accordance with the Department of Environmental Protection construction permit, including the approved preliminary design report or drawings and specifications, for this project; <u>or</u> to the best of my knowledge and belief, the deviations described and explained in Part II of this form will <u>not</u> prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-005-DS
Substantially Complete Portion of Project if Other than Entire Project:

- to the best of my knowledge and belief, all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule;
- the permittee has had complete record drawings produced for the substantially complete portion of this project; to the best of my knowledge and belief, said record drawings adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form; and said record drawings are available for review at the following location: _____
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, an operation and maintenance manual for said treatment facilities is available for reference at the site of said treatment facilities or at a convenient location near the site of said treatment facilities.

I also certify that, if the permittee will not own this project after it is placed into permanent operation, the permittee has provided a copy of the above mentioned record drawings and a copy of the above mentioned operation and maintenance manual, if applicable, to the PWS that will own this project after it is placed into permanent operation.

Signature and Date	Russell Smith Printed or Typed Name	Vice President Title

B. Certification by PWS Supplying Water to Project

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will supply the water necessary to meet the water demands for the substantially complete portion of this project, and I certify the following:

- to the best of my knowledge and belief, said PWS's connection to the substantially complete portion of this project will not cause said PWS to be, or contribute to said PWS being, in noncompliance with Chapter 62-550 or 62-555, F.A.C.;
- said PWS considers the connection(s) between the substantially complete portion of this project and said PWS acceptable as constructed.

Signature and Date	Charlie DeMenzes Printed or Typed Name	Director/President Title

C. Certification by PWS that Will Own Project After It Is Placed into Permanent Operation

I am duly authorized to sign this form on behalf of the PWS identified in Part I.E of this form. I certify that said PWS will own the substantially complete portion of this project after it is placed into permanent operation, and I certify the following:

- said PWS considers the substantially complete portion of this project acceptable as constructed;
- said PWS has received complete record drawings for the substantially complete portion of this project and the record drawings
  are available for review at the following location: Marion County Utilities, 11800 South U S Hwy 441 Belleview FL 34420
- if the substantially complete portion of this project includes any new or altered drinking water treatment facilities, said PWS has received an operation and maintenance manual for the new or altered treatment facilities, and the operation and maintenance manual is available for reference at the site of the new or altered treatment facilities or at a convenient location near the site of the new or altered treatment facilities.

I understand that said PWS must operate and maintain this project in a such a manner as to comply with Chapters 62-550, 62-555, 62-560, and 62-699, F.A.C.

Signature and Date	Jody Kirkman, P E Printed or Typed Name	Director of Utilities Title

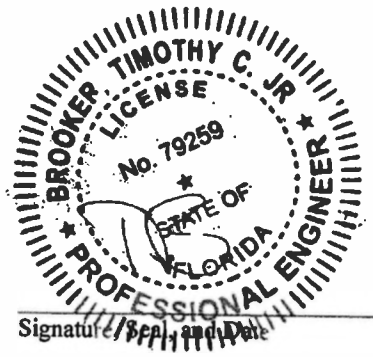
CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

DEP Construction Permit Number: 0080675-005-DS
Substantially Complete Portion of Project if Other than Entire Project:

D. Certification by Professional Engineer in Responsible Charge of Inspecting Construction of Project*

I, the undersigned professional engineer licensed in Florida, am in responsible charge of inspecting construction of this project for the purpose of determining in general if the construction proceeds in compliance with the Department of Environmental Protection (DEP) construction permit, including the approved preliminary design report or drawings and specifications, for this project. I, or a person acting under my responsible charge, observed construction of the substantially complete portion of this project and reviewed shop drawings, test results, and record drawings for the substantially complete portion of this project, and based upon said observation and reviews, I certify the following:

- the substantially complete portion of this project is sufficiently complete to be utilized for the purposes for which it is intended;
- the substantially complete portion of this project has been completed in accordance with the DEP construction permit, including the approved preliminary design report or drawings and specifications, for this project; or to the best of my knowledge and belief, the deviations described and explained in Part II of this form will not prevent the substantially complete portion of this project from functioning in compliance with Chapters 62-550 and 62-555, F.A.C.;
- all new or altered public water system components that are included in the substantially complete portion of this project and that must be disinfected and bacteriologically surveyed or evaluated per subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., have been disinfected and bacteriologically surveyed or evaluated in accordance with said subsection or said rule; and
- the record drawings for the substantially complete portion of this project adequately depict the substantially complete portion of this project as constructed and identify the deviations described and explained in Part II of this form.



7-26-13

Signature, Seal, and Date

Timothy C. Brooker

Printed or Typed Name

79259

License Number

* *Whenever a project is designed under the responsible charge of a professional engineer licensed in Florida and is permitted by the Department, construction of the project shall be inspected under the responsible charge of a professional engineer licensed in Florida. If construction of this project is inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D of this form shall be completed, signed, sealed, and dated by the professional engineer in responsible charge. If this project is not inspected under the responsible charge of a professional engineer licensed in Florida, Part III.D does not have to be completed.*

CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE TO PLACE PERMITTED PWS COMPONENTS INTO OPERATION

INSTRUCTIONS: This form shall be completed and submitted for projects permitted and constructed under specific Department of Environmental Protection (DEP) construction permits for public water system components, under the DEP's "General Permit for Construction of Water Main Extensions for Public Water Systems," or under the DEP's "General Permit for Construction of Lead or Copper Corrosion Control, or Iron or Manganese Sequestration, Treatment Facilities for Small or Medium Public Water Systems." AFTER COMPLETING, OR SUBSTANTIALLY COMPLETING, CONSTRUCTION OF A PROJECT, OR A PORTION THEREOF, AND BEFORE PLACING THE SUBSTANTIALLY COMPLETE PROJECT, OR PORTION THEREOF, INTO OPERATION FOR ANY PURPOSE OTHER THAN DISINFECTION, TESTING FOR LEAKS, OR TESTING EQUIPMENT OPERATION, complete and submit one copy of this form to the appropriate DEP District Office or Approved County Health Department along with one copy of the following information:

- the portion of record drawings showing deviations from the DEP construction permit, including the approved preliminary design report or drawings and specifications, if there are any deviations from said permit (note that it is necessary to submit a copy of only the portion of record drawings showing deviations and not a complete set of record drawings);
- bacteriological test results, including a sketch or description of all bacteriological sampling locations, demonstrating compliance with subsection 62-555.315(6), F.A.C., or Rule 62-555.340, F.A.C., if the substantially complete portion of the project includes any new or altered public water system (PWS) components that must be disinfected and bacteriologically surveyed or evaluated per said subsection or said rule;
- analytical test results demonstrating compliance with Part III of Chapter 62-550, F.A.C., or subsection 62-524.650(2), F.A.C., if the substantially complete portion of the project includes any new or altered PWS components that are necessary to achieve, or affect, compliance with said part or said subsection;
- a completed Form 62-555.900(20), New Water System Capacity Development Financial and Managerial Operations Plan, if the DEP construction permit was issued before the effective date of Rule 62-555.525, F.A.C., (9-22-99) and the substantially complete portion of the project creates a "new system" as described under subsection 62-555.525(1), F.A.C.; and
- any other information required by conditions in the DEP construction permit.

All information provided on this form shall be typed or printed in ink. NOTE THAT A SEPARATE CERTIFICATION OF CONSTRUCTION COMPLETION AND REQUEST FOR CLEARANCE IS REQUIRED FOR EACH PERMITTED PROJECT. **DO NOT PLACE ANY NEW OR ALTERED PWS COMPONENTS INTO PERMANENT OPERATION UNTIL THE DEPARTMENT ISSUES WRITTEN APPROVAL, OR CLEARANCE, TO PLACE THE COMPONENTS INTO PERMANENT OPERATION.**

Tillman & Associates
ENGINEERING, LLC.

August 2, 2023 **VIA: ELECTRONIC**

FDEP Central District
3319 Maguire Blvd. Suite 232
Orlando, FL 32803

Subject: Water Clearance Application
Project Name: Millwood Estates
Permit: 0080675-005-DS

To Whom it May Concern:

Please find included in this submittal the following items associated with the subject application for Millwood Estates:

- One (1) Signed Clearance Application (Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation)
- Copy of General Permit Notification for Connecting Main
- Bacteriological Tests (2 consecutive days, good for 60 days)
- Highlighted Sample Points Location Map
- Hydrostatic Pressure Testing

If you have any questions, please do not hesitate to contact our office.

Sincerely,

Timothy C. Brooker, P. E.

c: Masterfile w/Enclosures

FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD, SUITE 232
ORLANDO FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 11, 2022

ELECTRONIC CORRESPONDENCE
In the matter of an
Application for Permit by:

Scott Keiling, Division Manager/VP
Armstrong Land, LLC
4500 West Cypress St., Suite 300
Tampa, FL 33607
scott.keiling@lennar.com

DEP File No. 0080675-005-DS
County: Marion

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 0080675-005-DS for Millwood Estates to construct a water distribution system extension, issued pursuant to Section 403.861(9), Florida Statutes.

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver may not apply to persons who have not received a clear point of entry.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation

Mediation is not available in this proceeding.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Daissan A. Villareal

_____
Daissan A. Villareal, P.E.
Professional Engineer II
Permitting and Waste Cleanup Program

Enclosures: Permit No. 0080675-005-DS

CERTIFICATE OF SERVICE
The undersigned duly designated deputy clerk hereby certifies that this permit and all copies were sent on the filing date below to the following listed persons:

Charlie DeMenzes, Tradewinds Utilities, Inc. [charlie@altofo.com]
Timothy Brooker, P.E., Tillman and Associates Engineering, LLC. [permits@tillmaneng.com]
Reggie Phillips, Jill Farris, Viviana Useche, Daissan Villareal, FDEP

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

May 11, 2022
Clerk **Date**

FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD, SUITE 232
ORLANDO FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

May 11, 2022

ELECTRONIC CORRESPONDENCE

PERMITTEE:
Armstrong Land, LLC
4500 West Cypress St., Suite 300
Tampa, FL 33607

PWS ID NUMBER: 3424620
PERMIT NUMBER: 0080675-005-DS
DATE OF ISSUE: May 11, 2022
EXPIRATION DATE: May 10, 2027
COUNTY: Marion
PROJECT: Millwood Estates

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-550, 62-555 and 62-560. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: Water distribution system extension.

PROPOSED CONSTRUCTION INCLUDES THE FOLLOWING COMPONENTS:

The project consists of the construction of 3,880 linear feet (LF) of 12-inch PVC water line, 11,530 LF of 8-inch PVC water main, 19 fire hydrants and associated valves and fittings to serve a proposed 320-lot residential development.

IN ACCORDANCE WITH: This permit does not pertain to any wastewater, storm water or dredge and fill aspects of the project. This permit is issued based upon the dates and submissions during the application process as follows: Construction plans, specifications and details received on May 10, 2022.

LOCATION: The proposed Millwood Estates project is located in Sections 34, Township 14S and Range 22E. More specifically, the project is located west of NE 36th Avenue approximately 0.28 miles north of the NE 36th Avenue and NE 35th Street intersection.

Work must be conducted in accordance with the General and Specific Conditions, attached hereto.

The permittee shall be aware of and operate under the Permit Conditions below. These applicable conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes. [F.A.C. Rule 62-555.533(1)]

A. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times (reasonable time may depend on the nature of the concern being investigated), access to the premises where the permitted activity is located or conducted to:

    a. Have access to and copy any records that must be kept under conditions of the permit;
    b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
    c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

    a. A description of and cause of noncompliance; and
    b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

    a. Determination of Best Available Control Technology (BACT)
    b. Determination of Prevention of Significant Deterioration (PSD)
    c. Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
    d. Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    c. Records of monitoring information shall include:
        i. the date, exact place, and time of sampling or measurements;
        ii. the person responsible for performing the sampling or measurements;
        iii. the dates analyses were performed;
        iv. the person responsible for performing the analyses;
        v. the analytical techniques or methods used;
        vi. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS

B. Construction Activities

1. Permit Modification

All construction must be in accordance with this permit. Before commencing work on project changes for which a construction permit modification is required per 62-

555.536(1), the permittee shall submit to the Department a written request for a permit modification. Each such request shall be accompanied by one copy of a revised construction permit application, the proper processing fee and one copy of either a revised preliminary design report or revised drawings, specifications and design data. [F.A.C. Rule 62-555.536].

2. Professional Engineer Supervision

Permitted construction or alteration of public water supply systems must be supervised during construction by a professional engineer registered in the State of Florida if the project was designed under the responsible charge of a professional engineer licensed in the State of Florida. The permittee must retain the service of a professional engineer registered in the State of Florida to observe that construction of the project is in accordance with the engineering plans and specifications as submitted in support of the application for this permit. [F.A.C. Rule 62-555.520(3)].

3. Artifacts

If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoe remains, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section at 850.245.6333 or 800.847.7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources and the permitting agency. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, *Florida Statutes*.

4. Delays and Extension of Permit

If delays will cause project completion to extend beyond the expiration date of this permit, the permittee shall submit to the Department a request to extend the expiration date of this permit including the appropriate processing fee. This request shall specify the reasons for the delay and shall be submitted to the Department for approval prior to the expiration date of this permit. Note that no specific construction permit shall be extended so as to remain in effect longer than five years. [F.A.C. Rule 62-555.536(4)].

5. Permit Transfer

In accordance with General Condition #11 of this permit, this permit is transferable only upon Department approval. Persons proposing to transfer this permit must apply jointly for a transfer of the permit within 30 days after the sale or legal transfer of ownership of the permitted project that has not been cleared for service by the Department using form, 62-555.900(8), Application for Transfer of a PWS Construction Permit along with the appropriate fee. [F.A.C. Rule 62-555.536(5)]

6. **Obligation to Obtain Other Permits**
This permit satisfies Drinking Water permitting requirements only and does not authorize construction or operation of this facility prior to obtaining all other necessary permits from other program areas within the Department, or required permits from other state, federal, or local agencies.

7. **Limits on Authorizing Connections**
This permit is for **CONSTRUCTION ONLY** of the components listed in the first page of this permit. This permit shall not infer that the clearance necessary for connection will be granted. Partial clearance may be granted, if required.

8. **Gasoline Contamination**
If gasoline contamination is found at the construction site, work shall be stopped and the proper authorities notified. With the approval of the Department, ductile iron pipe and fittings, and solvent resistant gaskets materials shall be used in the contaminated area. The ductile pipe shall be used in the contaminated area. The ductile iron pipe shall extend 100 feet beyond any solvent noted. Any contaminated soil that is excavated shall be placed on an impermeable mat, covered with waterproof covering, and held for disposal. <u>If the site cannot be properly cleaned, then consultation with the Department is necessary prior to continuing with the project construction.</u>

9. **Wetlands Jurisdiction**
This permit does not constitute approval of construction on jurisdictional wetland areas; therefore such approval must be obtained separately from the Water Management District or from DEP ERP Section, as applicable, Permittee shall provide a copy of the permit approval to the Department if water main installation involves activities on wetlands.

C. Construction Standards

1. **National Sanitation Foundation (NSF)**
All products, including paints, which shall come into contact with potable water, either directly or indirectly, shall conform with National Sanitation Foundation (NSF) International, Water Chemicals Codex, Food Chemicals Codex, American Water Works Association (AWWA) Standards and the Food and Drug Administration, as provided in Rule 62-555.320(3), F.A.C.

2. **American Water Works Association (AWWA)**
Water supply facilities, including mains, pipe, fittings, valves, fire hydrants and other materials shall be installed in accordance with the latest applicable AWWA Standards and Department rules and regulations. The system shall be pressure and leak tested in accordance with AWWA Standard C600 C603, or C605, as applicable, and disinfected in

accordance with AWWA Standard C651-653, as well as in accordance with Rule 62-555.340, F.A.C.

3. **Lead Free**
The installation or repairs of any public water system, or any plumbing in residential or nonresidential facilities providing water for human consumption, which is connected to a public water system shall be lead free in accordance with Rule 62-555.322, F.A.C.

4. **Asbestos**
If any existing asbestos cement (AC) pipes are replaced under this permit, the permittee shall do so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirements applicable to AC pipes, the permittee should contact the Central District Office prior to commencing any such activities at (407) 897-4100. Please be aware that a notification is required to be submitted to the Department at least 10 days prior to the start of a regulated project.
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5. **Hazard and Reuse Setbacks**
Setback distances between potable water wells and sanitary hazards shall be in accordance with 62-555.312, F.A.C. Reclaimed water land application areas, if applicable, must not be located within the setback distance from potable water supply wells established in Chapter 62-610, F.A.C.

6. **Line Separation**
Permittee shall maintain vertical clearance and horizontal separation between water mains and sanitary sewers, storm sewers, etc. unless approved otherwise by the Department, as provided in Rule 62-555.314, F.A.C., and Section 8.6 of *Recommended Standards for Water Works*, a manual adopted by reference in Rule 62-555.330(3), F.A.C.

7. **Color Coding of Pipes**
The new or altered aboveground piping at the drinking water treatment plant shall be color coded and labeled as recommended in Section 2.14 of "Recommended Standards for Water Works, 1997 Edition". [F.A.C. Rule 62-555.320(10)]

8. **Cross Connections**
Permittee shall ensure that there shall be no cross-connection with any non-potable water source in accordance with Rule 62-555.360, F.A.C.

D. Operational Requirements

1. **Operation and Maintenance to comply with Water Quality Standards**
The supplier of water shall operate and maintain the public water system so as to comply with applicable standards in F.A.C. Rule 62-550 and 62-555.350.

2. **Record Drawings**
The permittee shall have complete record drawings produced for the project in accordance with Rule 62-555.530(4), F.A.C.

3. **State Watch Office**
The permittee or suppliers of water shall telephone the State Watch Office (SWO), at 1-800- 320-0519 immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system in accordance with the F.A.C. Rule 62-555.350(10).

E. Monitoring Provisions

1. **Chlorine Residual**
The water treatment plant shall maintain throughout the distribution system, a minimum continuous and effective free chlorine residual of 0.2 mg/L. A minimum system pressure of 20 psi must be maintained throughout the system. Also, safety equipment shall be provided and located outside of chlorine room.

F. Clearance Requirements

1. **Clearance Letter**
The permittee must instruct the engineer of record to request system clearance from the Department within sixty (60) days of completion of construction, testing and disinfecting the system. Bacteriological test results shall be considered unacceptable if the test were completed more than 60 days before the Department received the results. [F.A.C. Rule 62-555.340(2)(c)]

Permitted construction or alteration of a public water system may not be placed into service until a letter of clearance has been issued by this Department. [F.A.C. Rule 62-555.345]

2. **Requirements to Obtain Clearance**
Prior to placing this project into service, Permittee shall submit, at a minimum, all of the following to the Department for evaluation and approval for operation, as provided in Rules 62-555.340 and 62-555.345, F.A.C.:

a. the engineer's *Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components Into Operation* {DEP Form 62-555.900(9)};

b. certified record drawings, if there are any changes noted for the permitted project.

c. copy of a satisfactory pressure test of the process piping performed in accordance with AWWA Standards. [F.A.C. Rule 62-555.320(21)(a)(1)]

d. analytical reshults from two consecutive days of satisfactory bacteriological samples.

g. Submit the sampling plan showing the bacteriological sampling locations.

3. Cleaning, Disinfecting, and Bacteriological Samples

The new facilities shall be cleaned, disinfected, and bacteriologically cleared in accordance with Chapter 62-555, F.A.C. The bacteriological clearance data shall be submitted to the Department with the engineer's certification of construction completion. [Section 62-555.340 and 62-555.315(6)(b), F.A.C.]

Bacteriological Sampling Locations: Copies of results from satisfactory bacteriological samples shall be submitted with the clearance package. Samples shall be taken from locations within the distribution system for each segment to be partially completed, in accordance with Rules 62-555.315 (6), 62-555.340 and 62-555.330, F.A.C. and American Water Works Association (AWWA) Standard C 651-92, at the following locations:

- The proposed main at all points of connection to the existing main.
- At all terminal ends of the proposed water mains.
- On straight run of pipes between two isolation valves. The maximum interval between two sampling locations shall be 1,200 ft. Per AWWA C651, no hydrants shall be used for sampling.
- Beginning and end of lines for each segment to be partially completed.

Each location shall be sampled on two consecutive days, with sample points and chlorine residual readings clearly indicated on the report. A sketch or description of all bacteriological sampling locations must also be provided.

Bacteriological sample results will be considered unacceptable if the tests were completed more than 60 days before the Department receives the results.

Please submit the entire clearance document package in electronic format to DEP_CD@dep.state.fl.us. If the file is very large, you may post it to the Water Electronic Submittal folder on the Central District's ftp site at:
ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/Water%20Electronic%20Applications.

After posting the document, send an e-mail to DEP_CD@dep.state.fl.us, alerting us that it has been posted.

Any submitted drawings (should be sized 11" x 17") and the engineer of record's signed seal and dates on the required document must be legible for acceptance.

Forms: http://www.dep.state.fl.us/water/drinkingwater/forms.htm

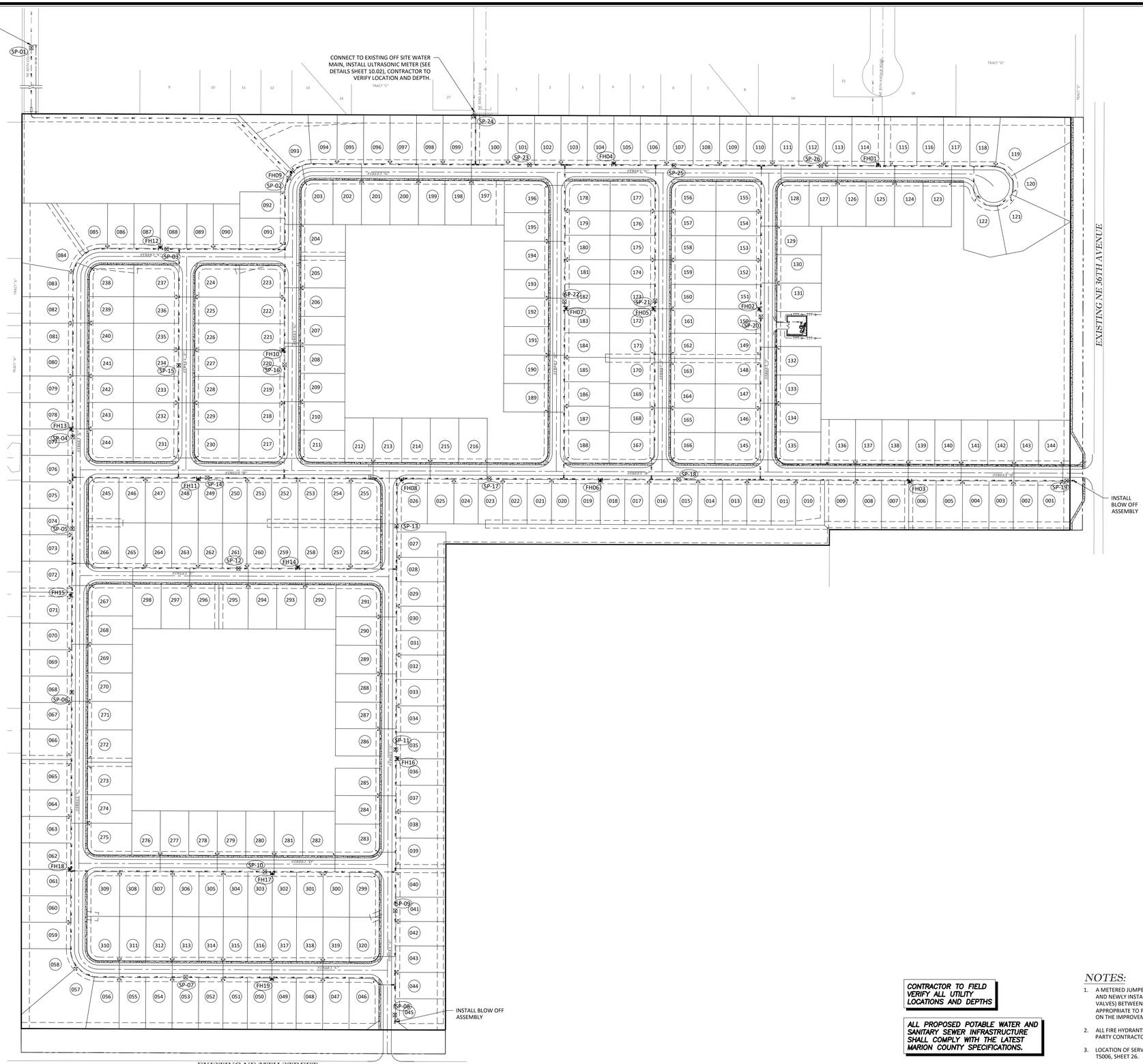
As an alternative to submitting the requests to place Potable Water System components into operation, the permittee may submit a request for clearance on the DEP Business Portal. Use of the Business Portal often results in shorter processing time. Permittees with frequent requests

may find this function beneficial. Electronic Requests for PWS Component certification may be made at https://www.fldepportal.com/DepPortal/go/submit-registration.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



_____
Daissan A. Villareal, P.E.
Professional Engineer II
Permitting and Waste Cleanup Program



Marion County Approval Stamp

120 60 0 120 240

SCALE IN FEET
1" = 120'

WATER LEGEND:

- WATER MAIN
- FIRE HYDRANT ASSEMBLY
- FH# FIRE HYDRANT NUMBER
- GATE VALVE & BOX
- REDUCER
- AIR RELEASE VALVE
- BLOW OFF ASSEMBLY
- TEE
- BEND
- PROPOSED WATER METER

SANITARY SEWER LEGEND:

- SANITARY SEWER
- MANHOLE
- DOUBLE SERVICE
- SINGLE SERVICE

CONTRACTOR TO FIELD VERIFY ALL UTILITY LOCATIONS AND DEPTHS

ALL PROPOSED POTABLE WATER AND SANITARY SEWER INFRASTRUCTURE SHALL COMPLY WITH THE LATEST MARION COUNTY SPECIFICATIONS.

NOTES:

1. A METERED JUMPER CONNECTION WITH AN RP BACKFLOW PREVENTION ASSEMBLY IS REQUIRED BETWEEN THE EXISTING WATER MAIN AND NEWLY INSTALLED WATER MAIN UNTIL ALL CLEARANCES HAVE BEEN APPROVED AND ACCEPTED BY THE DISTRICT. THE VALVE (OR VALVES) BETWEEN EXISTING AND PROPOSED SHALL REMAIN OFF UNTILL AUTHORIZED PERSONNEL OF MARION COUNTY DEEM APPROPRIATE TO PLACE INTO SERVICE. WATER UTILIZED DURING CONSTRUCTION SHALL BE BILLED TO THE OWNER/APPLICANT LISTED ON THE IMPROVEMENT PLANS. PLEASE ACKNOWLEDGE.
2. ALL FIRE HYDRANTS TO BE INSTALLED, TESTED, AND PAINTED ACCORDING TO FLOW RATES AND NFPA 291 BY A THIRD PARTY. A THIRD PARTY CONTRACTOR WILL PROVIDE THE MARION COUNTY FIRE PREVENTION OFFICE WITH A COPY OF THE HYDRANT FLOW DATA.
3. LOCATION OF SERVICES AND METERS ARE FOR GRAPHICAL PURPOSES ONLY, ACTUAL LOCATIONS ARE PER MARION COUNTY DETAIL TS006, SHEET 26.

Tillman & Associates
ENGINEERING, LLC.
CIVIL ENGINEERING - PLANNING - LANDSCAPE ARCHITECTURE - ENVIRONMENTAL
1720 SE 16th Ave. Bldg 100, Ocala, FL 34471
Office: (352) 387-4540 Fax: (352) 387-4545
CERTIFICATE OF AUTHORIZATION #26756

REVISIONS

DATE	
10/14/22	ADDED SANITARY SERVICES
02/17/23	MODIFIED ENTRANCE AND SIDEWALK

IMPROVEMENT PLANS
MILLWOOD ESTATES
MARION COUNTY, FLORIDA

SAMPLE POINT MAP

DATE 05-10-23
DRAWN BY MR
CHKD. BY TB
JOB NO. 20-6083

SHT. 06.01

NOT VALID UNLESS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER

Plant Technicians Inc.

P.O. Box 447
Fruitland Park, FL 34731

Phone # 352-787-2944 Fax # 352-787-3196

Invoice

Date	Invoice #
7/3/2023	PT14807

Bill To

west to west construction
11642 Mockingbird Drive
Dunnellon, FL 34432

	Your P.O. No.	Terms

Description	Quantity	Rate	Amount
TOTAL COLIFORM TESTING	52	25.00	1,300.00

Subtotal	$1,300.00
Sales Tax (7.0%)	$0.00
Total	$1,300.00

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550.730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

Lab Receipt Date & Time: 6/29/23 8:30
Analysis Date & Time: 6/29/23 0937 - 0941 AC
Sample Acceptance Criteria:
Sample Preservation: ☒ On Ice ☐ Not On Ice ☐ ____ °C
Disinfectant Check: ☒ Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements: _____

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒ Total Coliform/*E. coli* ☐ Total Coliform/Fecal ☐ Enterococci ☐ Coliphage ☐ HPC ☐ Other: _____

Public Water System (PWS) Name: Marion City **PWS I.D.** _____
PWS Address: Mckwood Estates City: Ocala FL.
PWS or PWS Owner's Phone #: _____ Fax #: _____
Collector: Levi West Collector's Phone #: 352-425-1591

Type of Supply: (check only one)
☒ Community Water System ☐ Non-Transient Non-community Water System ☐ Transient Non-community Water System
☐ Limited Use System ☐ Bottled Water ☐ Private Well ☐ Swimming Pool ☐ Other: _____

Reason for Sampling: (check all that apply)
☐ Distribution Routine ☐ Distribution Repeat ☐ Raw (triggered or assessment) ☐ Raw (triggered or assessment) additional ☐ Well Survey
☒ Clearance ☐ Replacement (also check type of sample being replaced) ☐ Boil Water Notice ☐ Other: _____

Sample Collection Date: 6/29/23

To be completed by collector of sample						To be completed by lab				
Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH	Analysis Method(s)[2]: Simplate				
						Non-Coliform	Total Coliform	Fecal, E. *coli*, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
	SP-22	0740	S			A	A			2306-1865
	SP-23	0741	S			A	A			1866
	SP-24	0742	S			A	A			1867
	SP-25	0744	S			A	A			1868
	SP-26	0747	S			A	A			1869

Average of disinfectant residuals for distribution routine & repeat samples[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐ A certified operator (# _____)
☐ Supervised by certified operator (# _____)
☐ Employed by a certified lab ☐ Employed by DEP or DOH
☐ Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results: _____
Date Report Issued: 6/30/23
Lab Signature: _____
Title: QA Mgr

☐ Satisfactory
☐ Incomplete Collection Information
☐ Repeat Samples Required
☐ Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16
[2] For Analysis Methods see Instructions item II 6.
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62-160, Table 1.
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550 730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

Lab Receipt Date & Time: 6/29/23 8:30
Analysis Date & Time: 6/29/23 0928 – 0936 RC
Sample Acceptance Criteria:
Sample Preservation: ☒On Ice ☐Not On Ice ☐ ____ °C
Disinfectant Check: ☒Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements: _____

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒Total Coliform/*E. coli* ☐Total Coliform/Fecal ☐Enterococci ☐Coliphage ☐HPC ☐Other: _____

Public Water System (PWS) Name: Marion city **PWS I.D.** ☐☐☐☐☐☐☐
PWS Address: Millwood Estates City: Ocala FL
PWS or PWS Owner's Phone #: _____ Fax #: _____
Collector: Levi West Collector's Phone #: _____

Type of Supply: (check only one)
☒Community Water System ☐Non-Transient Non-community Water System ☐Transient Non-community Water System
☐Limited Use System ☐Bottled Water ☐Private Well ☐Swimming Pool ☐Other: _____

Reason for Sampling: (check all that apply)
☐Distribution Routine ☐Distribution Repeat ☐Raw (triggered or assessment) ☐Raw (triggered or assessment) additional ☐Well Survey
☒Clearance ☐Replacement (also check type of sample being replaced) ☐Boil Water Notice ☐Other: _____

Sample Collection Date: 6/29/23

To be completed by collector of sample						To be completed by lab				
						Analysis Method(s)[2]: Sm 9222B				
Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH	Non-Coliform	Total Coliform	Fecal, E. *coli*, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
	SP-15	0731	S			A	A			2306-1858
	SP-16	0732	S			A	A			1859
	SP-17	0734	S			A	A			1860
	SP-18	0736	S			A	A			1861
	SP-19	0737	S			A	A			1862
	SP-20	0738	S			A	A			1863
	SP-21	0739	S			A	A			1864

Average of disinfectant residuals for distribution routine & repeat samples.[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐DPD Colorimetric ☐Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐A certified operator (# _____)
☐Supervised by certified operator (# _____)
☐Employed by a certified lab ☐Employed by DEP or DOH
☐Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results: _____
Date Report Issued: 6/30/23
Lab Signature: _____
Title: QA mgr

☐Satisfactory
☐Incomplete Collection Information
☐Repeat Samples Required
☐Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16
[2] For Analysis Methods see instructions item II 6.
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62-160, Table I.
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550.730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

Lab Receipt Date & Time: 6/29/23 0830
Analysis Date & Time: 6/29/23 0919 - 0927
Sample Acceptance Criteria:
Sample Preservation: ☒ On Ice ☐ Not On Ice ☐ 4 °C
Disinfectant Check: ☒ Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements:

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒ Total Coliform/*E. coli* ☐ Total Coliform/Fecal ☐ Enterococci ☐ Coliphage ☐ HPC ☐ Other: _____

Public Water System (PWS) Name: Marion cty **PWS I.D.** _____

PWS Address: Millwood Estates City: _____

PWS or PWS Owner's Phone #: _____ Fax #: _____

Collector: Levi West Collector's Phone #: 352-425-1591

Type of Supply: (check only one)
☒ Community Water System ☐ Non-Transient Non-community Water System ☐ Transient Non-community Water System
☐ Limited Use System ☐ Bottled Water ☐ Private Well ☐ Swimming Pool ☐ Other: _____

Reason for Sampling: (check all that apply)
☐ Distribution Routine ☐ Distribution Repeat ☐ Raw (triggered or assessment) ☐ Raw (triggered or assessment) additional ☐ Well Survey
☒ Clearance ☐ Replacement (also check type of sample being replaced) ☐ Boil Water Notice ☐ Other: _____

Sample Collection Date: 6/29/23

To be completed by collector of sample						To be completed by lab				
Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH	Analysis Method(s)[2]: Smg222B Non-Coliform	Total Coliform	Fecal, E. *coli*, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
	SP-8	0716	S			A	A			2306-1851
	SP-9	0718	S			A	A			1852
	SP-10	0720	S			A	A			1853
	SP-11	0723	S			A	A			1854
	SP-12	0724	S			A	A			1855
	SP-13	0726	S			A	A			1856
	SP-14	0729	S			A	A			1857

Average of disinfectant residuals for distribution routine & repeat samples[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐ A certified operator (# _____)
☐ Supervised by certified operator (# _____)
☐ Employed by a certified lab ☐ Employed by DEP or DOH
☐ Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results: _____
Date Report issued: 6/30/23
Lab Signature: _____
Title: QA Mgr

☐ Satisfactory
☐ Incomplete Collection Information
☐ Repeat Samples Required
☐ Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16
[2] For Analysis Methods see Instructions item II 6.
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62-160, Table I
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550 730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

Lab Receipt Date & Time: 6/29/23 0830
Analysis Date & Time: 6/29/23 0910 – 0918 PC
Sample Acceptance Criteria:
Sample Preservation: ☒ On Ice ☐ Not On Ice ☐ 4 °C
Disinfectant Check: ☒ Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements:

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒ Total Coliform/*E. coli* ☐ Total Coliform/Fecal ☐ Enterococci ☐ Coliphage ☐ HPC ☐ Other: _____

Public Water System (PWS) Name: MARion cty **PWS I.D.** _____
PWS Address: mill Wood Estates **City:** Ocala FL
PWS or PWS Owner's Phone #: _____ **Fax #:** _____
Collector: Levi West **Collector's Phone #:** 352-425-1591

Type of Supply: (check only one)
☒ Community Water System ☐ Non-Transient Non-community Water System ☐ Transient Non-community Water System
☐ Limited Use System ☐ Bottled Water ☐ Private Well ☐ Swimming Pool ☐ Other: _____

Reason for Sampling: (check all that apply)
☐ Distribution Routine ☐ Distribution Repeat ☐ Raw (triggered or assessment) ☐ Raw (triggered or assessment) additional ☐ Well Survey
☒ Clearance ☐ Replacement (also check type of sample being replaced) ☐ Boil Water Notice ☐ Other: _____

Sample Collection Date: 6/29/23

To be completed by collector of sample						To be completed by lab				
						Analysis Method(s)[2]: Sm 9222B				
Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH	Non-Coliform	Total Coliform	Fecal, E. coli, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
	SP-1	0700	S			A	A			2306-1844
	SP-2	0701	S			A	A			1845
	SP-3	0703	S			A	A			1846
	SP-4	0705	S			A	A			1847
	SP-5	0707	S			A	A			1848
	SP-6	0710	S			A	A			1849
	SP-7	0713	S			A	A			1850

Average of disinfectant residuals for distribution routine & repeat samples.[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐ A certified operator (# _____)
☐ Supervised by certified operator (# _____)
☐ Employed by a certified lab ☐ Employed by DEP or DOH
☐ Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results: _____
Date Report Issued: 6/30/23
Lab Signature: _____
Title: QA Mgr

☐ Satisfactory
☐ Incomplete Collection Information
☐ Repeat Samples Required
☐ Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16
[2] For Analysis Methods see Instructions item II 6.
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62 160, Table I
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900 Do not include raw or plant samples in the average

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550.730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

@ 6/29/23 4:30
Lab Receipt Date & Time: _____
Analysis Date & Time: 6/29/23 0905-0909
Sample Acceptance Criteria:
Sample Preservation: ☒ On Ice ☐ Not On Ice ☐ 4 °C
Disinfectant Check: ☒ Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements: _____

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒ Total Coliform/*E. coli* ☐ Total Coliform/Fecal ☐ Enterococci ☐ Coliphage ☐ HPC ☐ Other: _____

Public Water System (PWS) Name: Marion County **PWS I.D.** _____
PWS Address: Millwood Estates City: Ocala, FL
PWS or PWS Owner's Phone #: _____ Fax #: _____
Collector: Levi West Collector's Phone #: 352-425-1591

Type of Supply: (check only one)
☒ Community Water System ☐ Non-Transient Non-community Water System ☐ Transient Non-community Water System
☐ Limited Use System ☐ Bottled Water ☐ Private Well ☐ Swimming Pool ☐ Other: _____

Reason for Sampling: (check all that apply)
☒ Distribution Routine ☐ Distribution Repeat , ☐ Raw (triggered or assessment) ☐ Raw (triggered or assessment) additional ☐ Well Survey
☒ Clearance ☐ Replacement (also check type of sample being replaced) ☐ Boil Water Notice ☐ Other: _____

Sample Collection Date: 6/28/23

To be completed by collector of sample						To be completed by lab				
						Analysis Method(s)[2]: Sm9222B				
Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH	Non-Coliform	Total Coliform	Fecal, E. *coli*, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
	SP-22	2:35PM	S			A	A			2306-1839
	SP-23	2:35PM	S			A	A			1840
	SP-24	2:35PM	S			A	A			1841
	SP-25	2:40PM	S			A	A			1842
	SP-26	2:44PM	S			A	A			1843

Average of disinfectant residuals for distribution routine & repeat samples.[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐ A certified operator (# _____)
☐ Supervised by certified operator (# _____)
☐ Employed by a certified lab ☐ Employed by DEP or DOH
☐ Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results: _____
Date Report Issued: 6/30/23
Lab Signature: _____
Title: QA Mgr

Austyn Ennis
Austyn@westzwestconst.com

☐ Satisfactory
☐ Incomplete Collection Information
☐ Repeat Samples Required
☐ Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16
[2] For Analysis Methods see Instructions item II 6.
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62-160, Table 1
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550 730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

Lab Receipt Date & Time: 6/29/23 8:30
Analysis Date & Time: 6/29/23 0856-0904AC
Sample Acceptance Criteria:
Sample Preservation: ☒On Ice ☐Not On Ice ☐ 4 °C
Disinfectant Check: ☒Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements: _____

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒Total Coliform/*E. coli* ☐Total Coliform/Fecal ☐Enterococci ☐Coliphage ☐HPC ☐Other: _____

Public Water System (PWS) Name: Marion County PWS I.D. _____
PWS Address: Millwood Estates City: Ocala, FL
PWS or PWS Owner's Phone #: _____ Fax #: _____
Collector: Levi West Collector's Phone #: 352-425-1591

Type of Supply: (check only one)
☒Community Water System ☐Non-Transient Non-community Water System ☐Transient Non-community Water System
☐Limited Use System ☐Bottled Water ☐Private Well ☐Swimming Pool ☐Other: _____

Reason for Sampling: (check all that apply)
☒Distribution Routine ☐Distribution Repeat ☐Raw (triggered or assessment) ☐Raw (triggered or assessment) additional ☐Well Survey
☒Clearance ☐Replacement (also check type of sample being replaced) ☐Boil Water Notice ☐Other: _____

Sample Collection Date: 6/26/23

To be completed by collector of sample

Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH
	SP-15	2:20 PM	S		
	SP-16	2:25 PM	S		
	SP-17	2:25 PM	S		
	SP-18	2:25 PM	S		
	SP-19	2:30 PM	S		
	SP-20	2:30 PM	S		
	SP-21	2:30 PM	S		

To be completed by lab

Analysis Method(s)[2]: Sm9222B

Non-Coliform	Total Coliform	Fecal, E. *coli*, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
A	A			2306-1932
A	A			1933
A	A			1934
A	A			1935
A	A			1936
A	A			1937
A	A			1938

Average of disinfectant residuals for distribution routine & repeat samples.[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐DPD Colorimetric ☐Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐A certified operator (# _____)
☐Supervised by certified operator (# _____)
☐Employed by a certified lab ☐Employed by DEP or DOH
☐Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results. _____
Date Report Issued: 6/30/23
Lab Signature: _____
Title: QA Mgr

☐Satisfactory
☐Incomplete Collection Information
☐Repeat Samples Required
☐Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16
[2] For Analysis Methods see Instructions item II 6.
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62-160, Table 1.
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550.730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

(PW) 6/29/23 8:30
Lab Receipt Date & Time:
Analysis Date & Time: 6/29/23 0847-0855 RF
Sample Acceptance Criteria:
Sample Preservation: ☒ On Ice ☐ Not On Ice ☐ 4 °C
Disinfectant Check: ☒ Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements:

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒ Total Coliform/*E. coli* ☐ Total Coliform/Fecal ☐ Enterococci ☐ Coliphage ☐ HPC ☐ Other: _____

Public Water System (PWS) Name: Marion County **PWS I.D.** _____
PWS Address: Millwood Estates City: Ocala, FL
PWS or PWS Owner's Phone #: _____ Fax #: _____
Collector: Levi West Collector's Phone #: 352-425-1591

Type of Supply: (check only one)
☒ Community Water System ☐ Non-Transient Non-community Water System ☐ Transient Non-community Water System
☐ Limited Use System ☐ Bottled Water ☐ Private Well ☐ Swimming Pool ☐ Other: _____

Reason for Sampling: (check all that apply)
☒ Distribution Routine ☐ Distribution Repeat ☒ Raw (triggered or assessment) ☐ Raw (triggered or assessment) additional ☐ Well Survey
☒ Clearance ☐ Replacement (also check type of sample being replaced) ☐ Boil Water Notice ☐ Other: _____

Sample Collection Date: 6/29/23

To be completed by collector of sample						To be completed by lab				
Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH	Analysis Method(s)[2]: SM 9222B Non-Coliform	Total Coliform	Fecal, E. *coli*, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
	SP-8	2:10 PM	S			A	A			2306-1825
	SP-9	2:10 PM	S			A	A			1826
	SP-10	2:15 PM	S			A	A			1827
	SP-11	2:15 PM	S			A	A			1828
	SP-12	2:15 PM	S			A	A			1829
	SP-13	2:20 PM	S			A	A			1830
	SP-14	2:20 PM	S			A	A			1831

Average of disinfectant residuals for distribution routine & repeat samples:[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐ A certified operator (# _____)
☐ Supervised by certified operator (# _____)
☐ Employed by a certified lab ☐ Employed by DEP or DOH
☐ Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results: _____
Date Report Issued: 6/30/23
Lab Signature: _____
Title: QA Mgr

☐ Satisfactory
☐ Incomplete Collection Information
☐ Repeat Samples Required
☐ Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16
[2] For Analysis Methods see Instructions item II 6
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62 160, Table 1.
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.

DRINKING WATER MICROBIAL SAMPLE COLLECTION & LABORATORY REPORTING FORMAT

(62-550.730 Reporting Format Effective 01/1995, Revised 02/2010)

PLANT TECHNICIANS, INC. LAB ID#: E83141 QA#: 870255
P. O. BOX 447, FRUITLAND PARK, FL 34731
Office: 352-787-2944 Lab:352-787-6112 Fax:352-787-3196
Contact Person: John Fredock

(2) 6/29/23 8:30
Lab Receipt Date & Time:
Analysis Date & Time: 6/29/23 1154O – 1058 hr
Sample Acceptance Criteria:
Sample Preservation: ☒On Ice ☐Not On Ice ☐ 4 °C
Disinfectant Check: ☒Not Detected ☐ _____ mg/L
This sample does not meet the following NELAC requirements:

Report Number: _____ Sub-Contract Lab ID: _____

Analysis Requested: (check all that apply)
☒Total Coliform/*E. coli* ☐Total Coliform/Fecal ☐Enterococci ☐Coliphage ☐HPC ☐Other: _____

Public Water System (PWS) Name: Marion County **PWS I.D.** ☐☐☐☐☐☐☐
PWS Address: Millwood Estates City: Ocala, FL
PWS or PWS Owner's Phone #: _____ Fax #: _____
Collector: Levi West Collector's Phone #: 352-425-1591

Type of Supply: (check only one)
☒Community Water System ☐Non-Transient Non-community Water System ☐Transient Non-community Water System
☐Limited Use System ☐Bottled Water ☐Private Well ☐Swimming Pool ☐Other: _____

Reason for Sampling: (check all that apply)
☒Distribution Routine ☐Distribution Repeat ☐Raw (triggered or assessment) ☐Raw (triggered or assessment) additional ☐Well Survey
☒Clearance ☐Replacement (also check type of sample being replaced) ☐Boil Water Notice ☐Other: _____

Sample Collection Date: 6/28/23

To be completed by collector of sample						To be completed by lab				
						Analysis Method(s)[2]: SM 9222B				
Sample #	Sample Point (Location or Specific Address)	Sample Collection Time	Sample Type[1]	Disinfectant Residual (mg/L)	pH	Non-Coliform	Total Coliform	Fecal, *E. coli*, Enterococci, or Coliphage[3]	Data Qualifier[4]	Lab Sample #
	SP-1	2:00 PM	S			A	A			23C6-1813
	SP-2	2:00 PM	S			A	A			1819
	SP-3	2:00 PM	S			A	A			1820
	SP-4	2:05 PM	S			A	A			1821
	SP-5	2:05 PM	S			A	A			1822
	SP-6	2:05 PM	S			A	A			1823
	SP-7	2:10 PM	S			A	A			1824

Average of disinfectant residuals for distribution routine & repeat samples.[5] Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:
☐DPD Colorimetric ☐Other: _____

Person performing disinfectant analysis is (see instructions on reverse):
☐A certified operator (# _____)
☐Supervised by certified operator (# _____)
☐Employed by a certified lab ☐Employed by DEP or DOH
☐Authorized representative of supplier of water

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date and time PWS notified by lab of positive results: _____
Date and time DEP/DOH notified by lab of positive results: _____
Date Report Issued: 6/30/23
Lab Signature: _____
Title: QAM

☐Satisfactory
☐Incomplete Collection Information
☐Repeat Samples Required
☐Replacement Samples Require\
DEP/DOH Reviewing Official: _____ Date _____

[1] For Sample Types see Instructions item I 16.
[2] For Analysis Methods see Instructions item II 6
[3] Please circle appropriate selection.
[4] Defined in Florida Administrative Code Rule 62-160, Table 1.
[5] Complete for community & non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.

Marion County
Board of County Commissioners

Utilities | Engineering & Construction

11800 SE U.S. Highway 441
Belleview, FL 34420-4558
Phone: 352-307-6000
Fax: 352-307-6001

HYDROSTATIC LEAK TEST WATER MAIN

Date: November 22, 2022
Time: 10:00 AM

Project Name: Millwood Estates
Utility System Owner: Marion County Utilities Department
Engineer of Record: Tillman & Associates Engineering, LLC
Contractor: West 2 West Construction, LLC

SECTION TESTED			DIAMETER	LENGTH	TEST PRESSURE	G.P.H. LEAKAGE	G.P.H.
LOCATION	TO	FROM	(INCHES)	(FEET)	(PSI)	ALLOWABLE	ACTUAL
STREET A	11+00	22+00	12	1,100	150	1.09	NONE
STREET A	22+00	24+20	12	220	150	0.22	NONE
STREET B	30+00	41+80	12	1,180	150	1.17	NONE
STREET B	41+80	46+90	12	510	150	0.51	NONE
STREET B	46+90	54+50	12	760	150	0.75	NONE
STREET C	60+00	70+00	8	1,000	150	0.66	NONE
STREET C	70+00	79+50	8	950	150	0.63	NONE
STREET C	79+50	89+50	8	1,000	150	0.66	NONE
STREET D	99+50	108+00	8	850	150	0.56	NONE
STREET E	110+00	118+00	8	800	150	0.53	NONE

MCUD INSPECTOR REMARKS:

WATER LINES PASSED.

TEST WITNESSED BY:

FOR ENGINEER:	FOR CONTRACTOR:	FOR MCUD:
	Ed Marble	*Brian Nabbie* BRN 11/22/22
NAME	NAME	NAME
	Foreman	*Inspector*
TITLE	TITLE	TITLE

AWWA C600 & C605	Land Development Code
$L = \frac{S \times D \times \sqrt{(P)}}{148000}$ **L** Maximum Allowable Leakage (GPH) **S** Length of Pipe (Feet) **D** Nominal Diameter (Inches) **P** Average Test Pressure (PSI)	• Test may be made on sections not exceeding 2,000 feet. • Pipe shall be pressure tested at a pressure of 150 PSI. • Duration of pressure test shall be for a period of 2 hrs. • Provisions of AWWA C600 and C605 shall be applicable. • Prior test, pipe shall be filled, flushed, & purged of air.

Marion County
Board of County Commissioners

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SECTION TESTED			DIAMETER	LENGTH	TEST PRESSURE	G.P.H. LEAKAGE	G.P.H.
LOCATION	TO	FROM	(INCHES)	(FEET)	(PSI)	ALLOWABLE	ACTUAL
STREET F	119+75	125+50	8	575	150	0.38	NONE
STREET G	129+75	141+75	8	1,200	150	0.79	NONE
STREET G	141+75	151+75	8	1,000	150	0.66	NONE
STREET G	151+75	8" TEE	8	400	150	0.26	NONE
STREET H	159+75	167+75	8	800	150	0.53	NONE
STREET I	169+75	177+75	8	800	150	0.53	NONE
STREET J	179+75	187+50	8	775	150	0.51	NONE

MCUD INSPECTOR REMARKS:

WATER LINES PASSED.

TEST WITNESSED BY:

FOR ENGINEER:	FOR CONTRACTOR:	FOR MCUD:
	Ed Marble	*Brian Nabbie* BRN 11/22/22
NAME	NAME	NAME
	Foreman	*Inspector*
TITLE	TITLE	TITLE

AWWA C600 & C605	Land Development Code
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FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD, SUITE 232
ORLANDO FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

POTABLE WATER CLEARANCE – TOTAL

August 4, 2023

Russell Smith, Vice President
Armstrong Land, LLC
400 SE 44th Road
Ocala, FL 34480
Russell.r.smith@lennar.com

Clearance Type: Total
Marion County
Permit Number: 0080675-005-DS
PWS Name: Tradewinds Village
PWS ID: 3424620
Project Name: Millwood Estates
Project Location: Within sections 34, Township 14S and Range 22E. in Marion County, Florida. More specifically, the project is located west of NE 36th Avenue approximately 0.28 miles north of the NE 36th Avenue and NE 35th Street intersection.

Dear Mr. Smith:

This letter acknowledges receipt of the certification, dated August 2, 2023, for the subject water distribution system extension. The submitted information demonstrates the water distribution system extension has been constructed in accordance with the FDEP Permit Number above and related plans and materials and that satisfactory pressure and bacteriological tests were conducted in accordance with the AWWA standards. Based on the certification and satisfactory bacteriological results, the Department is clearing the system for service.

If you have any questions or comments regarding this total clearance, please contact Drake Brown telephone at 407-897- 4342 or by e-mail at Drake.D.Brown@FloridaDEP.gov.

Sincerely,

Drake D. Brown
Engineering Specialist II
Permitting and Waste Cleanup

cc: Charlie DeMenzes, Tradewinds Utilities [charlie@altofo.com]
Jody Kirkman, Marion County Utilities [jody.kirkman@marionfl.org]
Timothy Brooker, P.E., Tillman and Associates Engineering, LLC [permits@tillmaneng.com]
Reggie Phillips, Jill Farris, Allison Chancy, Viviana Useche, Jenny Farrell, Drake Brown, FDEP

Note: **As an alternative to submitting the requests to place Potable Water System components into operation, the permittee may submit a request for clearance on the DEP Business Portal.** Use of the Business Portal often results in shorter processing time. Permittees with frequent requests may find this function beneficial. Electronic Requests for PWS Component certification may be made at https://www.fldepportal.com/DepPortal/go/submit-registration.

Tradewinds Wastewater FDEP

STEVE GENERAL MAINTENANCE, LLC.

June 24, 2019

RE: Tradewinds FLA010699
BMAP AO Progress Report

At this time we feel that Tradewinds will be able to meet the new Nitrogen limit for 2020. If this changes we will look into other options to meet the new limit before it comes into effect.

If you need further information, please do not hesitate to contact me.

Thank you,

Steve McGee
Owner/Operator



3660 SE 173rd Terr
Ocklawaha, FL
32179

PHONE 352-598-2121
EMAIL Smcgee4252@yahoo.com

11436
$1000.00
DD

Miles Christian Anderson Consulting Engineers, Inc.
2403 SE 17th St., Suite 502
Ocala, FL 34471
Phone (352) 629-5591 Fax (352)629-4402
Email: miles.anderson@mca-engineers.com
CIVIL ** STRUCTURAL ** LAND PLANNING ** GOLF COURSE DESIGN

Date: 7-7-20

Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: Tradewinds WWTF Renewal Permit
Marion County
FLA010699

Dear Sirs/Madam,

Find attached the following Forms and Section for the above referenced renewal permit.

1. Wastewater Facility or Activity Permit Application Form 1 – General Information
2. Wastewater Application Form 2A.
3. Operation and Maintenance Performance Report
4. Updated Capacity Analysis Report
5. Site Plan
6. Tradewinds Utilities Sprayfield Location Map
7. Tradewinds Utilities Treatment Flow Diagram
8. Calibration Report
9. Summary of 24 months Data for CBOD, TSS, Fecal Coliform, Nitrate, Chlorine Residual Nitrogen Total and PH
10. Ground Water Monitoring Reports

A check for the permit fee of $1000.00 is attached for this permit.

Sincerely,

Miles Anderson P.E.
Florida Registered Engineer #39385

File: Tradewinds WWTF Renewal permit cover letter

RECEIVED
JUL 08 2020
DEP Central District



WASTEWATER FACILITY OR ACTIVITY PERMIT APPLICATION FORM 1 GENERAL INFORMATION

This form must be completed by all persons applying for a permit for a wastewater facility or activity under Chapter 62-620, F.A.C. See Form 1 to determine which other application forms you will need.

RECEIVED
JUL 08 2020
DEP Central District

DESCRIPTION OF PERMIT APPLICATION FORMS

Form 1 - General information. This booklet includes general information on applying for a permit for a wastewater facility or activity under Chapter 62-620, Florida Administrative Code (F.A.C.). **Form 1 is required for all permit applications.**

Form 2 - Specific information. This group of forms includes the specific information required for the type of wastewater facility or activity for which a permit is needed. Select the appropriate form(s) to be submitted with Form 1.

- Form 2A - Domestic Wastewater Facilities.
- Form 2B - Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities.
- Form 2CS -Industrial Wastewater Facilities (discharging process wastewater to surface waters).
- Form 2CG -Industrial Wastewater Facilities (discharging process wastewater to ground water).
- Form 2ES -Industrial Wastewater Facilities (discharging non-process wastewater to surface waters).
- Form 2EG -Industrial Facilities (discharging non-process wastewater to ground water).
- Form 2F - Stormwater Discharge Associated with Industrial Activity
- Form 2CR -Non-Discharging/Closed Loop Recycle System.

SECTION A - GENERAL INSTRUCTIONS

Who Must Apply:

Persons who are or are going to discharge wastewater to waters of Florida or the United States must file for and be granted a permit under Sections 403.087, 403.088, or 403.0885, Florida Statutes (F.S.). Persons that discharge stormwater associated with industrial activity to surface waters of the state must file for and be granted a permit under Section 403.0885, F.S. There are severe penalties for discharging without a permit.

There are some exceptions to this requirement. Discharges of domestic sewage from vessels and discharges from properly operating marine engines are not required to have a permit under the laws listed above. However, discharges of rubbish, trash, garbage or other such materials discharged overboard do require permits. Vessels operated in a capacity other than as a means of transportation are required to have a permit if they are discharging to waters. These types include vessels used as an energy or mining facility, a storage facility, a seafood processing facility, or an anchored facility for the purpose of mineral or oil exploration or development.

The introduction of sewage, industrial wastes, or other pollutants into a domestic wastewater treatment facility does not need a permit under Sections 403.087, 403.088 or 403.0885, F.S. Persons discharging to permitted wastewater treatment facilities must comply with all applicable pretreatment standards. If a person has a plan or an agreement to switch from direct discharge into waters of the state to discharge to a domestic treatment facility, it does not relieve the person from obtaining a permit for the discharge until such time as the connection is made and the discharge is stopped.

Most discharges from agricultural and silvicultural activities to waters of the state do not require a permit under Sections 403.087, 403.088, or 403.0885, F.S. However, permits under those sections are required for discharges from concentrated animal feeding operations, concentrated aquatic animal production facilities, activities associated with approved aquaculture projects, and silvicultural point sources.

Where to Apply:

Permit applications must be filed with the Department of Environmental Protection (DEP) district office shown in Figure 1 for the county in which the wastewater facility or activity is located, except for permit applications for steam electrical generating power plants which are filed with the DEP office in Tallahassee. DEP offices are located at

Figure 1. State Map Showing DEP District Offices



NORTHWEST DISTRICT
160 Government Center, Suite 308
Pensacola, Florida 32501-5740
Phone No. (850) 585-8300

NORTHEAST DISTRICT
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256-7577
Phone No. (904) 256-1700

SOUTHWEST DISTRICT
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926
Phone No. (813) 470-5700

CENTRAL DISTRICT
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Phone No. (407) 897-4100

SOUTH DISTRICT
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901-3875
Phone No. (239) 334-5600

SOUTHEAST DISTRICT
400 North Congress Avenue, 3rd Floor
West Palm Beach, Florida 33401-2913
Phone No. (561) 681-6600

When to Apply:

Applications must be filed with the appropriate DEP office 180 days before your current permit expires or 180 days before startup of a new or modified facility. If the submitted application is for a new facility or for a modification of an existing facility, the information required for describing the construction must be filed at least 90 days before construction begins. The DEP encourages applicants to file the materials describing the construction of a new facility or the modification of an existing facility as early as possible to avoid problems with delays in startup or facility redesign to achieve effluent limitations.

Federal regulations provide that a new source in the NPDES program may not be constructed or started to be constructed before the issuance of an operation permit. Because of this regulation, a permit application for a new source may need to be submitted well in advance of the required 180 days.

Fees:

Application fees are listed in Section 62-4.050, Florida Administrative Code (F.A.C.). An application will not be processed until the application fee has been paid. If the DEP determines that a permit should be issued for less than five years duration, the application fee will be pro rated.

If a permit is issued for a surface water discharge, the permittee will be assessed a regulatory and surveillance program fee annually. Those fees are listed in Section 62-4.052, F.A.C. Failure to pay the annual fee may result in revocation of the permit.

Availability of Information to the Public:

Information contained in these applications forms will, upon request, be made available to the public for inspection and copying. However, you may request confidential treatment for certain information which you may submit to supplement the information requested on these forms. Section 62-620.302, F.A.C., and 40 CFR 2 provide set forth the procedures for making the claim. No information on Forms 1 and 2A through 2EG may be claimed as confidential.

Completion of Forms:

Unless otherwise specified in instructions to the forms, each item in each form must be answered. To indicate that each item has been considered, enter "NA", for not applicable, if a particular item does not fit the circumstances or characteristics of your facility or activity.

If you have previously submitted information to the DEP which answers a question, you may either repeat the information in the space provided or attach a copy of the previous submission. DO NOT WRITE "ON FILE". Some items in the form require narrative explanation. If more space is necessary to answer a question, attach a separate sheet entitled "Additional Information."

SECTION B - FORM 1 LINE-BY-LINE INSTRUCTIONS

This form must be completed by all applicants.

Completing This Form:

Please type or print in the underlined areas only. Some items have a limited number of spaces or characters so that your response may be entered into a computer program. Please do not exceed this maximum number with your response. Abbreviate if necessary to stay within the number of characters allowed for each item. Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response.

Item I

Space is provided at the upper right hand corner of Form 1 for insertion of your Facility Identification Number. If you have an existing facility, enter your identification number. If you don't know your identification number, please contact the appropriate DEP office which will provide you with your number. If your facility is new (not yet constructed), leave this item blank.

Item II

Answer each question to determine which supplementary forms you need to fill out. Be sure to check the glossary in Section C of these instructions for the legal definitions of any words you are not certain of their meaning.

If you answer "no" to every question, then you may not need a permit. However, you should call the appropriate district office to determine if you have made a correct determination. If you answer "yes" to any question, then you must complete and file the supplementary form by the deadline listed in Section A along with this form.

Item III

Enter the facility's official or legal name. Do not use a colloquial name.

Item IV

Give the name, title, and work telephone number of a person who is thoroughly familiar with the operation of the facility, with the facts reported in this application, and who can be contacted by reviewing offices if necessary.

Item V

Give the complete mailing address of the office where correspondence should be sent. This often is not the address used to designate the location of the facility or activity.

Item VI

Give the address or location of the facility identified in Item III of this form. If the facility lacks a street name or route number, give the most accurate alternative geographic information (for example, section number or quarter section number from county records or at intersection of Rts 426 and 22).

Item VII

List four, in descending order of significance, 4-digit standard industrial classification (SIC) codes which best describe your facility in terms of the principal products or services you produce or provide. Also, specify each classification in words. These classifications may differ from the SIC codes describing the operation generating the discharge from the facility.

SIC code numbers are descriptions which may be found in the "Standard Industrial Classification Manual" prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office, Washington, D.C. Your local library may have a copy of this publication which you may use. Use the current edition of the manual. If you have any questions concerning the appropriate SIC code for your facility, please contact the appropriate DEP district office.

Item VIII-A

Give the name, as it is legally referred to, of the person, firm, public organization, or any other entity which operates the facility described in this application. This may or may not be the same name as the facility. The operator of the facility is the legal entity which controls the facility's operation rather than the plant or site manager. Do not use a colloquial name.

Item VIII-B

Indicate whether the entity which operates the facility also owns it by marking the appropriate box.

Item VIII-C

Enter the appropriate letter to indicate the legal status of the operator of the facility. Indicate "public" for a facility solely owned by a local government, such as a city, town, county, etc.

Items VIII-D through H

Enter the telephone number and address of the operator identified in Item VIII-A.

Item IX

Indicate whether the facility is located on Indian Lands.

Item X

Give the number of each presently effective wastewater and stormwater permit issued to the facility listed in this application. List relevant federal, state, and local permits. DO NOT LIST ALL YOUR PERMITS. LIST ONLY CURRENT ENVIRONMENTAL PERMITS RELATING TO THIS PROJECT.

Item XI

Provide a topographic map or maps of the area extending at least to one mile beyond the property boundaries of the facility which clearly show the following:

The legal boundaries of the facility;

The location and serial number of each of your existing and proposed intake and discharge structures;

All hazardous waste management facilities;

Each well where you inject fluids underground; and

All springs and surface water bodies in the area, plus all drinking water wells within 1/4 mile of the facility which are identified in the public record or otherwise known to you.

If an intake or discharge structure, hazardous waste disposal site, or injection well associated with the facility is located more than one mile from the plant, include it on the map, if possible. If not, attach additional sheets describing the location of the structure, disposal site, or well, and identify the U.S. Geological Survey (or other) map corresponding to the location.

On each map, include the map scale, a meridian arrow showing north, and latitude and longitude at the nearest whole second. On all maps of rivers, show the direction of the current, and in tidal waters, show the directions of the ebb and flow tides. Use a 7-1/2 minute series map published by the U.S. Geological Survey. If a 7-1/2 minute series map has not been published for your facility site, then you may use a 15 minute series map from the U.S. Geological Survey. If neither a 7-1/2 nor 15 minute series map has been published for your facility site, use a plat map or other appropriate map, including all the requested information; in this case, briefly describe land uses in the map area (for example, residential, commercial).

You may trace your map from a geological survey chart, or other map meeting the above specifications. If you do, your map should bear a note showing the number or title of the map or chart from which it was traced. Include the names of nearby towns, water bodies, and other prominent points.

You may obtain a topographic map from:

Eastern Mapping Center
National Cartographic Information Center
U.S. Geological Survey
536 National Center
Reston, VA 22092

Item XII

Briefly describe the nature of your business (for example, products produced or services provided).

Item XIII

Section 403.161, F.S., provides severe penalties for submitting false information on this application form or any reports or records required by a permit, if issued. There are both civil and criminal penalties, in addition to the revocation of the permit.

Rule 62-620.305, F.A.C., requires that the application and any reports required by the permit, if issued, to be signed as follows:

A. For a corporation, by a responsible corporate officer as described in Rule 62-620.305, F.A.C.;
B. For partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
C. For a municipality, state, federal or other public facility, by a principal executive officer or elected official.

SECTION C - GLOSSARY

NOTE: This Glossary includes terms used in the instructions and in Forms 1, 2A through 2EG. If you have any questions concerning the meaning of any of these terms, please contact your DEP district office.

Activity means any action which results in a discharge of wastes into waters of the State or that is reasonably expected to be a source of water pollution.

Aliquot means a sample of specified volume used to make up a total composite sample.

Animal Feeding Operation means a lot or facility (other than an aquatic animal production facility) where the following conditions are met:

A. Animals (other than aquatic animals) have been, are, or will be stabled or confined and fed or maintained for a total of 45 days or more in any 12 month period; and

B. Crops, vegetation, forage growth, or post-harvest residues are not sustained in the normal growing season over any portion of the lot or facility.

Two or more animal feeding operations under common ownership are a single animal feeding operation if they adjoin each other or if they use a common area or system for the disposal of wastes.

Animal Unit means a unit of measurement for any animal feeding operation calculated by adding the following number: The number of slaughter and feeder cattle multiplied by 1.0; plus the number of mature dairy cattle multiplied by 1.4; plus the number of swine weighing over 25 kilograms (approximately 55 pounds) multiplied by 0.4; plus the number of sheep multiplied by 0.1; plus the number of horses multiplied by 2.0.

Application means the approved DEP standard forms for applying for a permit, including any approved additions, revisions, or modifications to the forms. Approved forms are numbered, Form 62-620.910, and have an effective date of October 1, 1994, or later.

Aquifer means a geological formation, group of formations, or part of a formation that is capable of yielding a significant amount of water to a well or spring.

Best Management Practices (BMP) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs include treatment requirements, operation procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Biological Monitoring Test means any test which include the use of aquatic algal, invertebrate, or vertebrate species to measure acute or chronic toxicity, and any biological or chemical measure of bioaccumulation.

Bypass means the intentional diversion of wastes from any portion of a treatment facility.

Concentrated Animal Feeding Operation means an animal feeding operation which meets the criteria set forth in Chapter 62-670, F.A.C.

Concentrated Aquatic Animal Production Facility means a hatchery, fish farm, or other facility which contains, grows or hold aquatic animals as set forth in Chapter 62-660, F.A.C.

Contact Cooling Water means water used to reduce temperature which comes into contact with a raw material, intermediate product, waste product other than heat, or finished product.

CWA means the Clean Water Act as amended, 33 U.S.C. 1251 et seq.

Dike means any embankment or ridge of either natural or manmade materials used to prevent the movement of liquids, sludges, solids, or other materials.

Discharge (of a Pollutant) means any addition of any pollutant or combination of pollutants to waters of the State from any point source; or any addition of any pollutant or combination of pollutants to the marine waters of the State from any point source other than a vessel or other floating craft which is being used as a means of transportation.

This definition includes discharges into waters of the State from surface runoff which is collected or channelled by man; discharges through pipes, sewers, or other conveyances owned by the State, a municipality, or other person which do not lead to POTWs; and discharges through pipes, sewers, or other conveyances, leading into privately owned treatment works. This term does not include an addition of pollutants by any indirect discharge.

Effluent Limitation mean any restriction imposed by the DEP on quantities, discharge rates, and concentrations of pollutants which are discharged from point sources into waters of the State.

Effluent Limitation Guideline means a regulation published under Section 304(b) of the Clean Water Act to adopt or revise effluent limitations.

EPA means the United States Environmental Protection Agency.

Existing Source or Existing Discharger means any source which is not a new source or a new discharger.

Facility or wastewater facility means any facility which can reasonably be expected to be a source of pollution and includes any or all of the following: a collection and transmission system, a wastewater treatment works, a reuse or disposal system, and a residuals management facility.

Ground Water means water below the land surface in a zone of saturation.

Indirect Discharger means an industrial discharger introducing pollutants to a publicly owned treatment works.

Injection Well mean a well into which fluids are injected.

MGD means millions of gallons per day.

Municipality means a city, village, town, borough, county, district, association, or other public body created by or under State law and have jurisdiction over disposal of sewage, industrial wastes, or other wastes.

National Pollutant Discharge Elimination System (NPDES) means the national program for issuing, modifying, revoking and reissuing, termination, monitoring and enforcing permits and imposing and enforcing pretreatment requirements, under Sections 307, 318, 402, and 405 of the CWA. The term includes a State program which has been authorized by EPA under 40 CFR Part 123.

New Discharger mean any building, structure, facility, or installation: (A) from which there is or may be a new or additional discharge of pollutants at a site at which on October 18, 1972, it had never discharged pollutants; (B) which has never received a finally effective NPDES permit for discharges at that site; and (C) which is not a "new source." This definition includes an indirect discharger which commences discharging into water of the State. It also includes any existing mobile point source, such as an offshore oil drilling rig, seafood processing vessel, or aggregate plant that begins discharging at a location for which it does not have an existing permit.

New Source means any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced: (A) after promulgation of standards of performance under Section 306 of the CWA which are applicable to such source; or (B) after proposal of standards of performance in accordance with Section 306 of CWA which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal.

Non-Contact Cooling Water means water used to reduce temperature which does not come into direct contact with any raw material, intermediate produce, waste product (other than heat), or finished product.

Off-Site means any site which is not "on-site."

On-Site means on the same or geographically contiguous property which may be divided by public or private right(s)-of-way, provided the entrance and exit between the properties is at a cross-roads intersection, and access is by crossing as opposed to going along, the right(s)-of-way. Non-contiguous properties owned by the same person, but connected by a right-of-way which the person controls and to which the public does not have access, is also considered on-site property.

Operator means the person responsible for the overall operation of a facility.

Outfall means a point source.

Owner means the person who owns a facility or part of a facility.

Permit means an authorization, license, or equivalent control document issued by the State to implement the requirements of 40 CFR 122, 123, and 124 and Chapter 403, F.S.

Point Source means any discernible, confined, and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture.

Pollutant means dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, chemical waste, biological materials, radioactive materials (except those regulated under the Atomic Energy Act of 1954, as amended), heat, wrecked or discarded equipment, rocks, sand, cellar dirt and industrial, municipal, and agriculture waste discharged into water. It does NOT mean: (A) sewage from vessels; or (B) water, gas, or other material which is injected into a well to facilitate production of oil or gas, or water derived in association with oil and gas production and disposed of in a well, if the well used either to facilitate production or for disposal purposes is approved by authority of the State in which the well is located, and if the State determines that the injection or disposal will not result in the degradation of ground or surface water resources.

Privately Owned Treatment Works means any device or system which is used to treat domestic wastewater from any facility which is not a POTW.

Process Wastewater means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product.

Publicly Owned Treatment Works (POTW) means any device or system used in the treatment (including recycling and reclamation) of domestic sewage or industrial wastes of a liquid nature which is owned by a State or municipality. This definition includes any sewers, pipes, or other conveyances only if they convey wastewater to a POTW providing treatment.

Residuals means the solid, semisolid, or liquid residue generated during the treatment of domestic wastewater. Not included are solids removed from pump stations and lift stations, and screenings and grit removed from the headworks of domestic wastewater treatment facilities. Also not included are other solids removed prior to treatment of the residuals to meet the stabilization standards of Chapter 62-640, F.A.C., or ash generated during the incineration of residuals.

Sewage From Vessels means human body wastes and the wastes from toilets and other receptacles intended to receive or retain body wastes that are discharged from vessels and regulated under Section 312 of the CWA.

Sewage Sludge means residuals.

Silvicultural Point Source means any discernable, confined and discrete conveyance related to rock crushing, gravel washing, log sorting, or log storage facilities which are operated in connection with silvicultural activities and from which pollutants are discharged into water of the State.

Stormwater Discharge Associated with Industrial Activity is as defined in 40 CFR 122.26(b)(14).

Surface Impoundment or Impoundment means a facility or part of a facility which is a natural topographic depression, manmade excavation, or diked area formed primarily of earthen materials (although it may be lined with manmade materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds, and lagoons.

Toxic Pollutant means any pollutant listed as toxic under Section 307(a)(1) of the CWA.

Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

Waters of the State means the waters defined in Section 403.031, F.S., and including waters of the United States to the seaward boundaries of the State.

WASTEWATER FACILITY OR ACTIVITY PERMIT
APPLICATION FORM 1
GENERAL INFORMATION

I IDENTIFICATION NUMBER:

II CHARACTERISTICS:

Facility ID FLA-010699

INSTRUCTIONS: Complete the questions below to determine whether you need to submit any permit application forms to the Department of Environmental Protection. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the blank in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements. See Section B of the instructions. See also, Section C of the instructions for definitions of the terms used here.

SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED
A. Is this facility a domestic wastewater facility which results in a discharge to surface or ground waters?	☐	☒	
B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters?	☐	☒	
C. Does or will this facility (other than those describe in A. or B.) discharge process wastewater, or non-process wastewater regulated by effluent guidelines or new source performance standards, to surface waters?	☐	☒	
D. Does or will this facility (other than those described in A. or B.) discharge process wastewater to ground waters?	☐	☒	
E. Does or will this facility discharge non-process wastewater, not regulated by effluent guidelines or new source performance standards, to surface waters?	☐	☒	
F. Does or will this facility discharge non-process wastewater to ground waters?	☐	☒	
G. Does or will this facility discharge stormwater associated with industrial activity to surface waters?	☐	☒	
H. Is this facility a non-discharging/closed loop recycle system?	☐	☒	
I. Is this facility a public water system whose primary purpose is the production of potable water for public consumption and which discharges demineralization concentrate to surface water or groundwater?	☐	☒	

DEP Form 62-620.910(1)
(Effective July 7, 2006 Revised July 30, 2010)

III NAME OF FACILITY: (40 characters and spaces)

TRADEWINDS WWTF

Facility ID FLA 010699

IV FACILITY CONTACT: (A. 30 characters and spaces)

A. Name and Title (Last, first, & title)	B. Phone (area code & no.)
DeMenzes, Charles- President	352-622-4949

V FACILITY MAILING ADDRESS: (A. 30 characters and spaces; B. 25 characters and spaces)

A. Street or P.O. Box: P.O.Box 5520		
B. City or Town: Ocala	State: Fl	Zip Code: 34478

VI FACILITY LOCATION: (A. 30 characters and spaces; B. 24 characters and spaces; C. 3 spaces (if known); D. 25 characters and spaces; E. 2 spaces; F. 9 spaces)

A. Street, Route or Other Specific Identifier: 2925 NE 43rd Place		
B. County Name: Marion	C. County Code (if known):	
D. City or Town: Ocala	E. State: Fl	F. Zip Code: 34479

VII SIC CODES: (4-digit, in order of priority)

1. Code #: N/A	(Specify)	2. Code #:	(Specify)
3. Code #:	(Specify)	4. Code #:	(Specify)

VIII OPERATOR INFORMATION: (A. 40 characters and spaces; B. 1 character; C. 1 character (if other, specify); D. 12 characters; E. 30 characters and spaces; F. 25 characters and spaces; G. 2 characters; H. 9 characters)

A. Name: Steve General Maintenance, LLC		B. Is the name in VIII A. the owner? ☐ Yes ☒ No	
C. Status of Operator: F = Federal; S = State; P = Private; O = Other; M = Public (other than F or S)	(code) P	(specify) PRIVATE	D. Phone No.: 352-598-2121
E. Street or P. O. Box: 3660 SE 173rd Terr			
F. City or Town: Ocklawaha		G. State: FL	H. Zip Code: 32179

IX INDIAN LAND: Is the facility located on Indian lands? ☐ Yes ☒ No

Facility ID FLA 010699

X EXISTING ENVIRONMENTAL PERMITS:

A. NPDES Permit No.	B. UIC Permit No.	C. Other (specify)	D. Other (specify)
		F.D.E.P	

XI MAP: Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII NATURE OF BUSINESS (provide a brief description)

Tradewinds WWTF processes residential & 1 commercial plaza wastewater & small light industrial - 1 restaurant

XIII CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Charles DeMenes
A. Name (type or print)

B. Signature

President
Official Title (type or print)

7-6-10
C. Date Signed

DEP Form 62-620.910(1)
(Effective July 7, 2006 Revised July 30, 2010)

WASTEWATER APPLICATION FORM 2A FOR A DOMESTIC WASTEWATER FACILITY PERMIT

Instructions for selected items are included in the "INSTRUCTIONS FOR FORM 2A". Refer to these instructions before filling out each item.

SECTION 1. APPLICANT AND FACILITY DESCRIPTION

1. Application Type

- ☐ New
- ☐ Substantial Modification
- ☒ Permit Renewal

2. Facility Type

- ☒ Wastewater Treatment
- ☐ Reuse or Disposal
- ☐ Limited Wet Weather Discharge
- ☐ Residuals/Septage Management

3. Treatment Facility Information

a. Name: TRADEWINDS WWTF

b. Facility Identification Number: FL010699

c. Location

Number and Street: 2925 NE 43RD PLAce

City/State/Zip Code: OCALA, FLORIDA 34479

Telephone: 352-622-4949

Latitude: 29 ° 13 ' 54.06 "N

Longitude: 82 ° 5 ' 50.11 "W

Dates Coordinates Determined:

Method Used to Obtain Coordinates: USGS MAPS

d. Ownership Type

- ☐ Municipal
- ☐ County
- ☐ State
- ☒ Private

e. Contact

Name	CHARLES DEMENZES
Title	PRESIDENT
Telephone	352-622-4949

f. Facility Mailing Address

Number and Street	P.O.BOX 5220
City/State/Zip Code	OCALA, FL

g. Year Facility Began Operation: 1985

4. Applicant or Authorized Representative

Legal Name	SAME AS ABOVE
Number and Street	
City/State/Zip Code	
Telephone	
Contact Person	
Title	
Telephone Number	

Is the applicant the owner or operator (or both) of the facility? ☒ Owner ☐ Operator

Indicate whether correspondence regarding this facility should be directed to the facility or the applicant.
☐ Facility ☒ Applicant

5. Project Name and Description

TRADEWINDS WWFT IS A 0.081 MGD CAPACITY EXTEDED AERATION DOMESTIC WASTEWATER PLANT WITH LAND APPLICATION VIA A LINED HOLDING POND AND IRRIGATION ON A SPRAY

6. Municipalities or Areas Served

Name of Municipality or Area	Ownership	Population Served
TRADEWINDS, COUNTRY SIDE ESTATE		
& GEORGE MAYO SUBDIVISON		
	Total Population Served	

7. **Reclaimed Water Reuse and Effluent Disposal**

Method of Reuse or Disposal	Number of Reuse or Disposal Points	Total Design Capacity (mgd)	Basis of Design Flow
Surface Waters - Excluding Ocean Outfalls and Wetlands (Rule 62-600.510, F.A.C.)			
Ocean Outfalls (Rule 62-600.520, F.A.C.)			
Wetlands (Rule 62-600.620, F.A.C.)			
Reuse of Reclaimed Water and Land Application (Rule 62-600.530, F.A.C.)		.044	IRRIGATIOON OF SPRAY FIELD & HOLDING POND
Ground Water Disposal by Underground Injection (Rule 62-600.540, F.A.C.)			
Other (Describe)			
Total		.044	

8. **Flows to Another Wastewater Facility**

a. Does the facility discharge or transport treated or untreated wastewater to another treatment facility?
☐ Yes ☒ No

b. If yes, describe the mean(s) by which the wastewater from the treatment facility is discharged or transported to the other treatment facility (e.g., collection/transmission system, reclaimed water distribution system)?
N/A

If transport is by a party other than the applicant, provide the following:
Transporter name: N/A
Mailing Address:

Contact person:
Title:
Telephone number:

c. For each treatment facility that receives this discharge, provide the following:
Name: N/A
Mailing Address: /

Contact person:
Title:
Telephone number:

d. Facility Identification Number of Facility Which Receives the Flow: N/A

e. Average Daily Flow Rate to the Receiving Facility: N/A mgd

9. Residuals Use or Disposal

a. Amount of Residuals Generated by the Facility: 144 gallons /day 3.28 dry tons/year

b. Does this facility receive residuals from another facility for further treatment and disposal? ☐ Yes ☒ No

c. Method of Residuals Use or Disposal

Method	Number of Sites or Number of Receiving Facilities	Dry Tons Used or Disposed per Year
Land Application (Chapter 62-640, F.A.C.)		
Distribution and Marketing (Chapter 62-640, F.A.C.)		
Landfill Disposal (Chapter 62-701, F.A.C.)		
Incineration (Chapter 62-200 Series, F.A.C.)		
Transport to Another Treatment Facility		
Other (Describe)		
	Total	

d. If residuals are transported to another facility for landfill disposal, incineration, or treatment, provide the facility name, Facility identification number and address.

Name	American Pipe & Tank Inc.
Facility Identification Number	FLA-010776
Number and Street	4411 SE 53rd Ave
City/State/Zip Code	Ocala, Florida 34480
County	Marion
Telephone	352-2364281
Treatment Processes Used by Receiving Facility	LANDFILL

10. Permits and Applications

a. Expiration Date of Current NPDES Permit _____

b. Expiration Date of Current DEP Permit DECEMBER 21, 2015

c. Permit Number of Any Existing Environmental Permits

NPDES _____ PSD _____
UIC _____ Other FLA-010699
RCRA _____ Other _____

d. Orders and Notices

Type or Order or Notice	Issuing Agency	Date of Order or Notice
Notice or Violation		
Consent Order		
Administrative Order		
Other (Describe.)		

SECTION 2. TREATMENT FACILITY DESCRIPTION

1. Flow

a. Design Capacity

Current Design Capacity	0.081	mgd
Proposed Incremental Design Capacity	+ 0	mgd
Proposed Total Design Capacity	= 0.081	mgd

b. Basis of Design Flow

- ☐ Annual Average Daily Flow
- ☐ Maximum Monthly Average Daily Flow
- ☐ Three-Month Average Daily Flow
- ☐ Other. If other, specify.

	Two Years Ago	Last Year	This Year	
c. Annual Average Daily Flow Rate	0.055	0.053	0.049	mgd
d. Maximum Daily Flow Rate	0.053	0.052	0.049	mgd

2. Design Treatment Levels

Parameter	Effluent Concentration	Units	Basis	Percent Removal
pH	6/8.5	Standard Units		
$CBOD_5$	20	mg/L	Monthly	99.06
TSS	20	mg/L	Monthly	98.42
Fecal	200	ml	5days/week	
TRC	0.05	mg/l min	5day/week	
Nitrate	12	mg/l max	annual	
flow	.081	mgd	5day/week	

3. Disinfection Level Provided

- ☐ Low-level
- ☒ Basic
- ☐ Intermediate
- ☐ High-level
- ☐ High-level Alternative

If the facility disinfects by chlorination and the discharge is to surface waters, is dechlorination provided?

☐ Yes ☒ No

4. Residuals Treatment

a. Class of Residuals

- ☐ Class AA (Rule 62-640.850, F.A.C.)
- ☐ Class A (Rule 62-640.600, F.A.C.)
- ☐ Class B (Rule 62-640.600, F.A.C.)
- ☐ Other

If other, describe

b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

c. Which vector attraction reduction option is met for the sewage sludge at your facility?

- ☐ Option 1 (Minimum 38 percent reduction in volatile solids)
- ☐ Option 2 (Anaerobic process, with bench-scale demonstration)
- ☐ Option 3 (Aerobic process, with bench-scale demonstration)
- ☐ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
- ☐ Option 5 (Aerobic processes plus raised temperature)
- ☐ Option 6 (Raise pH to 12 and retain at 11.5)
- ☐ Option 7 (75 percent solids with no unstabilized solids)
- ☐ Option 8 (90 percent solids with unstabilized solids)
- ☐ Option 9 (Injection below land surface)
- ☐ Option 10 (Incorporation into soil within 6 hours)
- ☐ Option 11 (Covering active sewage sludge unit daily)
- ☐ None or unknown

d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:

e. Parameter Concentrations

POLLUTANT	CONC.	UNITS
Total Nitrogen		% dry weight
Total Phosphorus		% dry weight
Total Potassium		% dry weight
Arsenic		mg/kg dry weight
Cadmium		mg/kg dry weight
Chromium		mg/kg dry weight
Copper		mg/kg dry weight
Lead		mg/kg dry weight
Mercury		mg/kg dry weight
Molybdenum		mg/kg dry weight
Nickel		mg/kg dry weight
Selenium		mg/kg dry weight
Zinc		mg/kg dry weight
pH		standard units
Total Solids		%
Other Parameters		

Date of Sample _____

5. Reliability Class

- ☐ Class I
- ☐ Class II
- ☐ Class III
- ☐ Other Equivalent Reliability

SECTION 3. A. DISCHARGES TO SURFACE WATERS (including wetlands)

1. Discharge Serial Number and Name

Discharge Serial Number _____

2. Discharge Location

County _____
Street or Description _____
City or Town (if applicable) _____
Zip Code _____
Latitude ° ' "N
Longitude ° ' "W
Dates Coordinates Determined _____
Method Used to Obtain Coordinates _____

3. Design Capacity of the Outfall

Current Design Capacity _____ mgd
Proposed Incremental Design Capacity + _____ mgd
Proposed Total Design Capacity = _____ mgd

4. Basis of Design Flow

- ☐ Annual Average Daily Flow
- ☐ Maximum Monthly Average Daily Flow
- ☐ Three-Month Average Daily Flow
- ☐ Other

If other, specify _____

5. Basis for Effluent Limitations

- ☐ TBEL
- ☐ Level I WQBEL
- ☐ Level II WQBEL
- ☐ Other

If other, specify _____

Date Effluent Limitations Established _____

6. Description of Receiving Waters

a. Name of Receiving Water _____

b. Type of Receiving Waterbody

- ☐ Fresh
- ☐ Brackish or Marine

c. Classification of Receiving Waterbody

- ☐ Class I
- ☐ Class II
- ☐ Class III
- ☐ Class IV
- ☐ Class V

Is the receiving waterbody contiguous to, or identified as, an Outstanding Florida Water (OFW) or an Outstanding National Resource Water? ☐ Yes ☐ No

If yes, name and locate on a USGS map. _____

Does this facility discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flow through) Indian Country? ☐ Yes ☐ No

d. Name of Watershed (if known) _____

United States Soil Conservation Service 14-digit Watershed Code (if known) _____

e. Name of State Management/River Basin (if known) _____

United States Geological Survey 8-digit Hydrologic Cataloging Unit Code (if known) _____

f. Critical low flow of receiving stream (if applicable)

acute _____ cfs chronic _____ cfs

g. Total hardness of receiving stream at critical low flow (if applicable) _____ mg/l of $CaCO_3$

7. Outfall Information

Description of Outfall and Diffuser

Construction Materials _____
Length From Shore _____ feet
Diameter _____ inches
Discharge Depth Below Water Surface _____ feet
Receiving Water Bottom Depth Below Water Surface _____ feet
Is the outfall equipped with a diffuser? ☐ Yes ☐ No

8. Surface Water Improvement and Management (SWIM)

a. Will the discharge affect any SWIM plan waterbodies? ☐ Yes ☐ No

b. If yes, name the waterbody _____

c. Has the SWIM plan been approved by a water management district and the Department? ☐ Yes ☐ No

d. If yes, attach documentation that the proposed discharge is consistent with the SWIM plan.

9. Additional Information Required for Intermittent or Periodic Discharges

Frequency _____ Times Per Year
Duration _____ Days
Volume _____ Thousand Gallons Per Incident
Occurrence

	Jan		May		Sep
	Feb		Jun		Oct
	Mar		Jul		Nov
	Apr		Aug		Dec

10. Additional Information Required for Limited Wet Weather Discharges Permitted in Accordance with Rule 62-610.860, F.A.C.

a. Downstream Waterbody

Name of nearest downstream lake, estuary, reservoir, OFW, or Class I water. Show location on a USGS map. _____

Classification of Downstream Waterbody
☐ Class I
☐ Class II
☐ Class III
☐ Class IV
☐ Class V

Distance Downstream _____ miles

Average Flow Velocity During Anticipated Periods of Discharge _____ feet per second

Travel Time During Anticipated Periods of Discharge _____ hours

b. Rainfall Information

Rainfall Gauging Station Location _____

Period of Record Analyzed:
Beginning Year _____
Ending Year _____
Number of Years _____
Average Annual Rainfall _____ inches per year

c. Simulation of Operation of the Reuse, Storage, and Limited Wet Weather Discharge for an Average Rainfall Year

Year Simulated _____

Annual Rainfall During Average Year _____ inches

Number of Days Limited Wet Weather Discharge is Used During Average Rainfall Year (N) _____ days

Percent of the Days of the Year that the Limited Wet Weather Discharge will Occur During Average Rainfall Year (P) _____ %

Note:
P = [(N) / (365)] x 100%.
P cannot exceed 25% or be less than 1%.

d. Reclaimed Water Quality (maximum monthly average)

$CBOD_5$ _____ mg/L
TKN (as Nitrogen) _____ mg/L

e. Minimum Acceptable Stream Dilution Factor (SDF) _____

Note:
SDF = P(0.085 x $CBOD_5$ + 0.272 x TKN - 0.484)
The values for $CBOD_5$ and TKN should be in terms of maximum monthly average limitations as provided in 14.d. above. The value of P should be as calculated in 14.c. above.

f. Adjusted Stream Dilution Factor _____

Note:
If the travel time shown in 14.a., above, is less than 24 hours, provide the adjusted minimum acceptable stream dilution factor.
Adjusted SDF = SDF x (24 hours)/(travel time in hours)

11. Additional Information Required for Wetland Discharges

a. Is the wetland a jurisdictional wetland (i.e. within the landward extent of waters as defined in Rule 62-301.400. F.A.C., or isolated and not owned entirely by one person, or owned entirely by the State)? ☐ Yes ☐ No

b. Will the wetland be used as a treatment wetland or receiving wetland?

If the wetland is to be used as a treatment wetland, attach documentation showing ownership or the applicant's legal interest in the treatment wetland.

☐ Treatment
☐ Receiving

c. If the wetland is to be used for treatment, identify the type.

☐ Man-made
☐ Hydrologically Altered
☐ Unaltered

d. Is the wetland herbaceous or woody?

☐ Herbaceous
☐ Woody

e. Identify the classification of surface waters within the wetland.

☐ Class I
☐ Class II
☐ Class III
☐ Class IV
☐ Class V

f. Are the waters within the wetland part of an OFW?

☐ Yes ☐ No

12. Effluent Testing Information.

PARAMETER	MAXIMUM DAILY VALUE		AVERAGE DAILY VALUE		
	Value	Units	Value	Units	Number of Samples
pH (Minimum)		s.u.	-	-	-
pH (Maximum)		s.u.	-	-	-
Flow Rate					
Temperature (Winter)					
Temperature (Summer)					
* For pH, please report a minimum and maximum daily value.					

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	MDL/ PQL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND (CBOD)							
TOTAL SUSPENDED SOLDS (TSS)							
FECAL COLIFORM							

13. Additional Application Information for Applicants with a Design Flow Greater Than or Equal to 0.1 mgd

a. Effluent Testing Data

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	MDL/ PQL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
AMMONIA (as N)							
CHLORINE (TOTAL RESIDUAL, TRC)							
DISSOLVED OXYGEN							
TOTAL KJELDAHL NITROGEN (TKN)							
NITRATE PLUS NITRITE							
NITROGEN							
OIL and GREASE							
PHOSPHORUS (Total)							
TOTAL DISSOLVED SOLIDS (TDS)							
OTHER PARAMETERS							

b. Inflow and Infiltration

Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration _____ gpd

Briefly explain any steps underway or planned to minimize inflow and infiltration.

c. Operation/Maintenance Performed by Contractor(s).

Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? ☐ Yes ☐ No

If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).

Name: _____

Mailing Address: _____

_____

Telephone Number: _____

Responsibilities of Contrator: _____

14. Expanded Effluent Testing Data: 1.0 mgd and Pretreatment Treatment Works.

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
METALS (TOTAL RECOVERABLE), CYANIDE, PHENOLS, AND HARDNESS.											
ANTIMONY											
ARSENIC											
BERYLLIUM											
CADMIUM											
CHROMIUM											
COPPER											
LEAD											
MERCURY											
NICKEL											
SELENIUM											
SILVER											
THALLIUM											
ZINC											
CYANIDE											
TOTAL PHENOLIC COMPOUNDS											
HARDNESS (AS CaCO 3)											
Use this space (or a separate sheet) to provide information on other metals requested by the permit writer.											
VOLATILE ORGANIC COMPOUNDS.											
ACROLEIN											
ACRYLONITRILE											
BENZENE											
BROMOFORM											
CARBON TETRACHLORIDE											
CLOROBENZENE											
CHLORODIBROMO-METHANE											
CHLOROETHANE											
2-CHLORO-ETHYLVINYL ETHER											
CHLOROFORM											
DICHLOROBROMO-METHANE											
1,1-DICHLOROETHANE											
1,2-DICHLOROETHANE											
TRANS-1,2-DICHLORO-ETHYLENE											
1,1-DICHLORO-ETHYLENE											
1,2-DICHLOROPROPANE											
1,3-DICHLORO-PROPYLENE											
ETHYLBENZENE											
METHYL BROMIDE											
METHYL CHLORIDE											
METHYLENE CHLORIDE											

1,1,2,2-TETRACHLORO-ETHANE											
TETRACHLORO-ETHYLENE											
TOLUENE											
1,1,1-TRICHLOROETHANE											
1,1,2-TRICHLOROETHANE											
TRICHLOR-ETHYLENE											
VINYL CHLORIDE											
Use this space (or a separate sheet) to provide information on other volatile organic compounds requested by the permit writer.											
ACID-EXTRACTABLE COMPOUNDS											
P-CHLORO-M-CRESOL											
2-CHLOROPHENOL											
2,4-DICHLOROPHENOL											
2,4-DIMETHYLPHENOL											
4,6-DINITRO-O-CRESOL											
2,4-DINITROPHENOL											
2-NITROPHENOL											
4-NITROPHENOL											
PENTACHLORO-PHENOL											
PHENOL											
2,4,6-TRICHLOROPHENOL											
Use this space (or a separate sheet) to provide information on other acid-extractable compounds requested by the permit writer.											
BASE-NEUTRAL COMPOUNDS.											
ACENAPHTHENE											
ACENAPHTHYLENE											
ANTHRACENE											
BENZIDINE											
BENZO(A)-ANTHRACENE											
BENZO(A)PYRENE											
3,4 BENZO-FLUORANTHENE											
BENZO(GHI)-PERYLENE											
BENZO(K)-FLUORANTHENE											
BIS (2-CHLOROETHOXY) METHANE											
BIS (2-CHLOROETHYL)-ETHER											
BIS (2-CHLOROISO-PROPYL) ETHER											
BIS (2-ETHYLHEXYL) PHTHALATE											
4-BROMOPHENYL PHENYL ETHER											
BUTYL BENZYL PHTHALATE											
2-CHLORO-NAPHTHALENE											
4-CHLORPHENYL PHENYL ETHER											
CHRYSENE											
DI-N-BUTYL PHTHALATE											

DI-N-OCTYL PHTHALATE											
DIBENZO(A,H) ANTHRACENE											
1,2-DICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
3,3-DICHLOROBENZIDINE											
DIETHYL PHTHALATE											
DIMETHYL PHTHALATE											
2,4-DINITROTOLUENE											
2,6-DINITROTOLUENE											
1,2-DIPHENYL-HYDRAZINE											
FLUORANTHENE											
FLUORENE											
HEXACHLORO-BENZENE											
HEXACHLORO-BUTADIENE											
HEXACHLORO-CYCLO-PENTADIENE											
HEXACHLORO-ETHANE											
INDENO(1,2,3-CD)PYRENE											
ISOPHORONE											
NAPHTHALENE											
NITROBENZENE											
N-NITROSODI-N-PROPYLAMINE											
N-NITROSODI-METHYLAMINE											
N-NITROSODI-PHENYLAMINE											
PHENANTHRENE											
PYRENE											
1,2,4-TRICHLORO-BENZENE											
Use this space (or a separate sheet) to provide information on other base-neutral compounds requested by the permit writer.											
Use this space (or a separate sheet) to provide information on other pollutants (e.g., pesticides) requested by the permit writer.											

SECTION 3. B. REUSE AND LAND APPLICATION SYSTEMS

1. Reuse or Land Application System Serial Number and Name

Reuse or Land Application System Serial Number: TRADEWINDS WWTF

2. Reuse or Land Application System Location

County: MARION
City or Town (if applicable): OCALA
Street or Description: 2925 NE 43RD PLACE
OCALA, FLORIDA 34478

Latitude: 29 ° 13 ' 54.06 "N
Longitude: 82 ° 5 ' 50.11 "W
Dates Coordinates Determined:
Method Used to Obtain Coordinates: USING MAPS

3. Design Capacity of the Reuse or Land Application System

Current Design Capacity: 0.081 mgd
Proposed Incremental Design Capacity: + 0 mgd
Proposed Total Design Capacity: = 0.081 mgd

4. Basis of Design Flow

- [x] Annual Average Daily Flow
- [ ] Maximum Monthly Average Daily Flow
- [ ] Three-Month Average Daily Flow
- [ ] Other

If other, specify

5. Is land application continuous or intermittent? [ ] Continuous [x] Intermittent

6. Underdrains and Perimeter Ditches

a. Is the reuse or land application system underdrained? [ ] Yes [x] No

b. Are perimeter ditches used? [ ] Yes [x] No

If yes, will they be excavated to a depth which will intersect the seasonal high ground water table or the ground water mound during any portion of the year? [ ] Yes [x] No

7. **Type of Reuse or Land Application System**

- [x] Slow-rate land application system/restricted public access (Chapter 62-610, F.A.C., Part II)
- [ ] Slow-rate land application system/public access areas, residential irrigation, and edible crop irrigation (Chapter 62-610, F.A.C., Part III)
- [ ] Rapid-rate land application system (Chapter 62-610, F.A.C., Part IV)
- [ ] Absorption field system (Chapter 62-610, F.A.C., Part V)
- [ ] Overland flow system (Chapter 62-610, F.A.C., Part VI)
- [ ] Other land application system with additional levels of preapplication treatment (Rule 62-610.660, F.A.C.)
- [ ] Other land application system with lower levels of preapplication treatment (Rule 62-610.670, F.A.C.)

8. **Application Areas and Rates**

Site/Use Type/Major User	Area (acres)	Rate (inches/week)	Capacity (mgd)
SPRAY FIELD/LAND APPLICATION	2.34	7.22	0.065
Total	2.34	7.22	0.065

9. **Additional Information Required for Reuse Systems Permitted Under Part III of Chapter 62-610, F.A.C.**

a. Areas Irrigated

- [ ] Residential lawns
- [ ] Golf courses
- [ ] Cemeteries
- [ ] Parks, playgrounds
- [ ] Landscape areas
- [ ] Highway medians, rights-of-way
- [ ] Edible crops
- [ ] Others

If other, specify _____

b. Other Uses of Reclaimed Water

- [ ] Toilet flushing
- [ ] Fire protection
- [ ] Construction dust control
- [ ] Aesthetic purposes (decorative ponds, fountains, etc.)
- [ ] Others

If other, specify. _____

c. How many hours per day, seven days per week, is or will an operator be on-site at the wastewater treatment facility? _____ hours per day

If the treatment facility is or will be staffed by an operator less than 24 hrs/day, describe the additional levels of reliability included within the treatment or reuse systems (See Rule 62-610.462, F.A.C.)

_____
_____
_____
_____
_____

d. For permit renewals, list the dates on which the operating protocols (as described in Rule 62-610.463, F.A.C.) were submitted to the Department and the date of the Department's approvals during the last five years.

Date Submitted	Date Approved

e. For each site where edible crops are or will be irrigated with reclaimed water, describe the crops grown; the type of application system used; provisions for crop washing and for processing, if any; and provisions for control of public access, if any. (See Rule 62-610.475, F.A.C.)

SECTION 3. C. GROUND WATER DISPOSAL BY UNDERGROUND INJECTION

1. Underground Injection Well Facility Serial Number and Name

Underground Injection Well Facility Serial Number _____

2. Underground Injection Well Facility Location

County _____
City or Town (if applicable) _____
Street or Description _____

Latitude ___ ° ___ ' ___ "N
Longitude ___ ° ___ ' ___ "W
Dates Coordinates Determined _____
Method Used to Obtain Coordinates _____

3. Underground Injection Well Facility DEP Identification Number or Permit Application Number _____

4. Design Capacity of the Underground Injection Well Facility

Current Design Capacity _____ mgd
Proposed Incremental Design Capacity + _____ mgd
Proposed Total Design Capacity = _____ mgd

5. Basis of Design Flow

☐ Annual Average Daily Flow
☐ Maximum Monthly Average Daily Flow
☐ Three-Month Average Daily Flow
☐ Other

If other, specify.

6. Is injection continuous or intermittent? ☐ Continuous ☐ Intermittent

SECTION 4. SCHEDULED IMPROVEMENTS AND SCHEDULES OF IMPLEMENTATION

1. Improvements Required

a. Discharge Serial Numbers, Reclaimed Water Reuse or Land Application System Serial Numbers, and Underground Injection Well Facility Serial Numbers Affected _____

b. Authority Imposing Requirement

- ☐ Local
- ☐ State
- ☐ Federal
- ☐ Developed by Applicant
- ☐ Other

If other, specify. _____

2. Implementation Schedule and Actual Completion Dates

Implementation Steps	Schedule	Actual Completion
a. Preliminary Plans Complete		
b. Final Plans and Specifications Complete		
c. Financing Complete		
d. Site Acquired		
e. Begin Construction		
f. End Construction		
g. Begin Reuse or Disposal		
h. Operational Level Attained		

3. Have appropriate permits/clearances concerning other Federal/State requirements been obtained?

☐ Yes ☐ No

If so, describe briefly:

SECTION 5. INDUSTRIAL WASTEWATER CONTRIBUTIONS

1. **Does the treatment works have, or is it subject to, an approved pretreatment program?** ☒ Yes ☐ No

2. **Provide the number of each of the following types of industrial users that discharge to the treatment works.**

   a. Number of non-categorical SIUs. _____
   b. Number of CIUs. 3

3. **Significant Industrial User Information**

   Name _____
   Number and Street _____
   City/State/Zip Code _____
   County _____

4. **Industrial processes Affecting or Contributing to the SIU's Discharge**

5. **Principal Product(s) and Raw Material(s)**

   Principal product(s): CLEANING FLUIDS/RESTURANT
   Raw material(s): _____

6. **Flow Rate**

   a. Process wastewater flow rate.

   _____ gpd ☐ Intermittent ☐ Continuous

   b. Non-process wastewater flow rate.

   _____ gpd ☒ Intermittent ☐ Continuous

7. **Pretreatment Standards.** Indicate whether the SIU is subject to the following:

   a. Local limits ☐ Yes ☐ No

   b. Categorical pretreatment standards ☐ Yes ☐ No

   If subject to categorical pretreatment standards, which category and subcategory?

   _____

8. **Problems at the Treatment Works Attributed to Waste Discharged by the SIU.** Has the SIU caused or contributed to any problems (e.g. upsets, interference) at the treatment works in the past three years?

☐ Yes ☐ No

If yes, describe each episode.

9. **RCRA Waste.** Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail, or dedicated pipe?

☐ Yes ☒ No If no, go to question 12.

10. **Waste Transport.** Method by which RCRA waste is received (check all that apply):

☐ Truck ☐ Rail ☐ Dedicated Pipe

11. **Waste Description.** Give EPA hazardous waste number and amount (volume or mass, specify units).

EPA Hazardous Waste Number	Amount	Units

12. **Remediation Waste.** Does the treatment works currently (or has it been modified that it will) receive waste from remedial activities?

☐ Yes (complete 13. through 15.) ☒ No

Provide a list of sites and the requested information (13. – 15.) for each current and future site.

13. **Waste Origin.** Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is expected to originate in the next five years).

N/A

14. **Pollutants.** List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if known. (Attach additional sheets if necessary).

N/A

15. Treatment.

a. Is this waste treated (or will it be treated) prior to entering the treatment works?

☐ Yes ☒ No

If yes, describe the treatment (provide information about the removal efficiency):

b. Is the discharge (or will the discharge be) continuous or intermittent?

☐ Continuous ☒ Intermittent

If intermittent, describe discharge schedule.
BY LIFT STATION TO SPRAY FIELD

SECTION 6. ADDITIONAL INFORMATION REQUIRED FOR PERMIT RENEWALS

1. Have there been any modifications to the treatment facilities or reuse or disposal system, since the issuance of the current permit? If yes, describe on a separate sheet and attach. ☐ Yes ☒ No

2. For limited wet weather discharges, have any modifications been made to the operation, frequency of discharge, or stream hydrology since the original limited wet weather discharge permit or the most recent permit. If yes, describe on a separate sheet and attach. ☐ Yes ☐ No ☒ NA

3. Have there been any violations during the last six months? If yes, describe on a separate sheet and attach. ☐ Yes ☐ No

4. Have there been any treatment facility interferences due to the discharge of industrial wastewater to the treatment facility during the last six months? If yes, describe on a separate sheet and attach. ☒ Yes ☐ No

5. Is there any enforcement action pending against these treatment, reuse, or disposal facilities? If yes, describe on a separate sheet and attach. ☐ Yes ☒ No

6. Have all previous permit conditions, including pretreatment requirements, monitoring requirements, and operator attendance been complied with? If no, describe on a separate sheet and attach. ☐ Yes ☒ No

7. For permit renewals involving a limited wet weather discharge permitted under Rule 62-610.860, F.A.C., list the number of days during each of the last five years that the limited wet weather discharge was used. Also, list the total annual rainfall for each year.

Year	Number of Days Used	P (%)	Annual Rainfall (inches)
1.			
2.			
3.			
4.			
5.			
Total/Average			

8. For permit renewals involving a limited wet weather discharge permitted under Rule 62-610.860, F.A.C., provide the number of days during each of the last five years that the actual dilution ratio, as defined in Rule 62-610.860, F.A.C., was less than the minimum SDF and the number of months in which the monthly average $CBOD_5$ or TKN in the limited wet weather discharge exceeded the permit limitations.

Year	Number of Days the Dilution Ratio Was Less Than SDF	Number of Months the Limits Were Exceeded	
		$CBOD_5$	TKN
1.			
2.			
3.			
4.			
5.			

SECTION 7. ADDITIONAL INFORMATION REQUIRED FOR RESIDUALS/SEPTAGE MANAGEMENT FACILITIES

1. Location of Residuals Treatment Processes American Pipe & Tank

(Describe in relation to the wastewater treatment processes.)

2. Type and Amount of Waste Treated at this Facility

Type	Amount (dry tons/day)	Amount (gallons/day)
Residuals	or 3.28	1.44
Septage		
Food Establishment Sludge		
Portable Toilet Waste		
Holding Tank Waste		
Boat or Marina Waste		
Other (Describe.)	or	
Total	or 3.28/yr	1.44

Is the total amount estimated or actual?

☐ Estimated
☒ Actual

3. Information on Treatment Facilities Transporting Residuals

a. DEP Permit Number FLA-010776

b. Facility Name American Pipe & Tank
Number and Street 411 SE 53rd Ave
City/State/Zip Code Ocala, Florida 34480
County Marion
Telephone 352-236-4281

c. Facility Type

☐ Type I
☐ Type II
☐ Type III

d. Amount of Residuals Received From This Facility 3.28 dry tons/day or 1.44 gpd

Is this amount estimate or actual?

☐ Estimated
☒ Actual

e. Describe the treatment provided by this facility before transport

N/A

f. Parameter Concentrations

POLLUTANT	CONC.	UNITS
Total Nitrogen	N/A	% dry weight
Total Phosphorus	N/A	% dry weight
Total Potassium	N/A	% dry weight
Arsenic	N/A	mg/kg dry weight
Cadmium	N/A	mg/kg dry weight
Chromium	N/A	mg/kg dry weight
Copper	N/A	mg/kg dry weight
Lead	N/A	mg/kg dry weight
Mercury	N/A	mg/kg dry weight
Molybdenum	N/A	mg/kg dry weight
Nickel	N/A	mg/kg dry weight
Selenium	N/A	mg/kg dry weight
Zinc	N/A	mg/kg dry weight
pH	N/A	standard units
Total Solids	N/A	%
Other Parameters	N/A	

Date of Sample N/A

4. Describe the manifest system used for tracking residuals during transport from the facilities.

N/A

SECTION 8. DOCUMENTATION SUBMITTED

1. General Application Requirements	Attached Yes	Attached No
a. Process Flow Diagram	X	
b. Site Plan	X	
c. Location Map	X	
d. Agricultural Use Plan or Dedicated Site Plan		X
e. Capacity Analysis Report	X	
f. Results of Whole Effluent Biological Toxicity Testing		X
g. Reuse Feasibility Study		X
h. Binding Agreements and Documentation of Controls on Individual Users of Reclaimed Water		X

2. Additional Application Requirements for New Facilities and Modifications to Existing Facilities	Yes	No
a. Preliminary Design Report		X
b. Documentation of Compliance with Antidegradation Requirements		X
c. Public Service Commission Certification Number and Copy of Certificate or Order Number and Copy of Order		X
d. Letter from the Management and Storage of Surface Waters Permitting Agency		X
e. Request for Approval of Monitoring Plans for Discharge of Domestic Wastewater to Wetlands		X
f. Concurrent Application for Ground Water Disposal by Underground Injection		X
g. Application for Monitoring Plan Approval		X

3. Additional Application Requirements for Permit Renewals	Yes	No
a. Operation and Maintenance Performance Report	X	
b. Reclaimed Water or Effluent Analysis Report		X
c. Technical Evaluation of Need to Revise Local Pretreatment Limits		X
d. Results of Mechanical Integrity Testing		X

SECTION 9. CERTIFICATIONS

1. Certifications for Construction of New Facilities or Modifications to Existing Facilities

a. Applicant or Authorized Representative

I certify that the statements made in this application for a permit and all attachments are true, correct, and complete to the best of my knowledge and belief. I agree to retain the design engineer, or another professional engineer registered in Florida, to conduct on-site observation of construction, to prepare a notification of completion of construction, and to review record drawings for adequacy as referenced in Rule 62-620.630, F.A.C. Further, I agree to provide an appropriate operation and maintenance manual for the facilities pursuant to Rule 62-620.630, F.A.C., and to retain a professional engineer registered in Florida to examine (or to prepare or revise, if necessary) the manual. For projects regulated by Chapter 62-610, F.A.C., I agree to provide the additional operation requirements of that Chapter.

(Signature of Applicant or Authorized Representative[1])

7-6-20
Date

Charles DeMenzes
Name (please type)

President
Title

352-622-4949
Telephone No. (including area code)

Tradewinds Utilities, Inc.
Company Name

P.O. Box 4230
Company Street Address or P O Box

Ocala, Florida 34478
City, State, Zip Code

b. Professional Engineer Registered in Florida

I certify that the engineering features of this domestic wastewater project have been (designed) (examined) by me and found to conform to engineering principles applicable to such projects. In my professional judgment, this facility, when properly constructed, operated, and maintained, will comply with all applicable statutes of the State of Florida and rules of the Department.

Miles C. Anderson
Name (please type):

39385
Florida Registration Number:

352-629-5591
Telephone No. (including area code)

MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS, INC.
Company Name:

2300 SE 17th Street, Suite 200
Company Street Address or P O Box

Ocala, Florida 34471
City/State/Zip Code:

7/7/20
(Seal, Signature, Date, Registration No.)

[1] If signed by the authorized representative, attach a letter of authorization.

c. Professional Engineer Registered in Florida

I certify that this firm or individual has been retained by the applicant to prepare a notification of completion of construction, to prepare operation and maintenance manuals, and to review record drawings for adequacy as referenced in Rules 62-620.630, 62-600.717, and 62-600.720, F.A.C.

Mile C. Anderson	Miles Christian Anderson Consulting Engineers, Inc.
Name (please type):	Company Name:
39385	2300 SE 17th Street, Suite 200
Florida Registration Number:	Company Street Address or P O Box
352-629-5591	Ocala, Florida 34471
Telephone No. (including area code)	City/State/Zip Code:

7/2/20

(Seal, Signature, Date, Registration No.)

2. Certifications for Permit Renewals

a. Applicant or Authorized Representative

I certify that the statements made in this application for a permit and all attachments are true, correct and complete to the best of my knowledge and belief. I agree to operate and maintain these wastewater facilities in such a manner as to comply with the provisions of Chapter 403, F.S., Chapter 62-600, F.A.C., and all other applicable rules of the Department. Further, an appropriate operation and maintenance manual which has been examined by a professional engineer as certified below is available and located at 2300 SE 17th Street, Suite 200, Ocala Florida and can be submitted upon request as part of the permit procedure. A copy of the record drawings or other plans (as applicable) showing modifications to existing acilities, as referenced in Rule 62-600.717, F.A.C., is available at the same location. I also understand that a permit if granted by the Department, is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C., and I will notify the Department in accordance with this rule upon sale or legal transfer of the permitted facilities. In the event of abandonment or inactivation of the facilities, I will notify the Department and ensure that public health and safety are protected as required by Rule 62-620.610, F.A.C.

	7-6-20
(Signature of Applicant or Authorized Representative[2])	Date
Charles DeMenzes	Tradewinds utilities, Inc.
Name (please type)	Company Name
President	P.O. Box 4230
Title	Company Street Address or P O Box
352-622-4949	Ocala, Florida 34478
Telephone No. (including area code)	City, State, Zip Code

[2] If signed by the authorized representative, attach a letter of authorization.

b. Professional Engineer

I certify that the engineering features of these domestic wastewater facilities have been examined by me and found to conform to engineering principles applicable to such projects. I certify that the operation and maintenance manual for these wastewater facilities has been prepared or examined by me or by individual(s) under my direct supervision and that there is reasonable assurance, in my professional judgement, that the facilities, when properly operated and maintained in accordance with this manual, will comply with all applicable statutes of the State of Florida and rules of the Department.

Miles C. Anderson	Miles Christian Anderson Consulting Engineers, Inc
Name (please type):	Company Name:
39385	2300 SE 17th Street, Suite 200
Florida Registration Number:	Company Street Address or P O Box
352-629-5591	Ocala, Florida 34472
Telephone No. (including area code)	City/State/Zip Code:
7/7/12	(Seal, Signature, Date, Registration No.)

OPERATION AND MAINTENANCE

PERFORMANCE REPORT

TRADEWINDS UTILITIES INC.

Wastewater Treatment and Disposal System

Ocala, Florida

JUNE 2020

Miles Christian Anderson

Consulting Engineers, Inc.

OPERATION AND MAINTENANCE PERFORMANCE REPORT

Tradewinds Utilities Inc.

Wastewater Treatment and Disposal System

Marion County

Facility ID No. FLA010699

Current DEP Permit No. DO42-230398

Current permit expiration date: 12/21/2020

Date of field evaluation: 06/18/2020

CERTIFICATIONS

I certify that I have reviewed the report and am fully aware of and intend to comply with the recommendations and schedules included the report.

Signature of Permittee

Charles DeMenzes President
P.O. Box 4230
Ocala, FL 34478
Ph: 352-622-4949

I certify that I have reviewed the report an am fully aware of and intend to comply with the recommendations and schedules included in the report.

Steven E. McGee
Signature of Operator
Date: 7-6-20

Steve McGee
Steve General Maintenance, LLC.
3660 SE 173rd Terr
Ocklawaha, FL 32179
Ph: 352-598-2121

I certify that the information contained in this report is true and correct to the best of my knowledge. The report was prepared in accordance with sound engineering principles, and I discussed the recommendations and schedules with the permittee or the permittee's delegated representative and the lead operator, and I agree that if the recommended schedules for corrective actions are met, the facilities, when properly operated and maintained, will comply with all applicable statures of the State of Florida and the wastewater facilities, when properly operated and maintained, will discharge effluent that complies with the limitations specified in the permit application.

Signature of Engineer

Date: 7/7/20
(Seal)

Miles C. Anderson, P.E.
FL. Reg. No. 39385
Miles Christian Anderson
Consulting Engineer Inc.
2403 SE 17th Street, Suite 502
Ocala, FL 34471
Ph: 352-629-5591

TABLE OF CONTENTS

Title Page

Certifications

Table of Contents

Chapter 1 – Introduction

Chapter 2 - Physical Conditions

Chapter 3 - Treatment Efficiency
1. Treatment Unit
2. Overall

Chapter 4 - Performance Trends
1. Influent
2. Effluent Reclaimed Water
3. Three-month Average Daily Flows
4. Ground Water Quality.....
5. Surface Water Quality.....
6. General.....

Chapter 5 - Operation and Maintenance Program.....
1. Record Drawings.....
2. Operation and Maintenance Manual.....
3. Operation and Maintenance Log.....
4. General.....

Chapter 6 - Collection System Evaluation.....
1. Excessive Infiltration or Inflow.....
2. Septic Wastewater.....
3. Industrial Contributions.....
4. Commercial Contributions.....

Chapter 7 - Problems , Deficiencies and Corrective Actions.....
1. Problems and/or Deficiencies and Corrective Actions..
2. Corrective Actions.....

Attachments: Location Map
Flow Diagram
Spray Fields and Buffer Zone Map
Field Evaluation Report
Certificate of Calibration

OPERATION AND MAINTENANCE PERFORMANCE REPORT
TRADEWINDS UTILITIES, INC.
WASTEWATER TREATMENT AND DISPOSAL SYSTEM

CHAPTER 1 - Introduction

1. This is an updated Operation and Maintenance Performance Report for the wastewater treatment facility that currently serves 48% sewer dwelling units located in the Tradewinds and Countryside Estates subdivisions. The projected number of dwelling units to be added in the next 5 year program is 100.

2. The treatment plant consists of a McNeil concrete 0.065 mgd extended wastewater treatment plant in parallel with a Marolf 0.050 mgd extended aeration WWTP. The treatment plant is a Class III activated sludge plant with extended aeration operation, proceeded by a common surge tank. The components of this plant are as follows: Total capacity 0.081 mgd

SEE SPECIFICATIONS ON FOLLOWING PAGES

3. The date the treatment plant was completed and placed in operation is 1985.

4. There have been no modifications to the treatment plant or disposal system during the past 5 years.

5. There have been no recommended corrective actions or any consent order made to the facility within the past 5 years.

CHAPTER 2 - Physical Conditions

The evaluation of the components of the treatment process is tabulated in the following table:

TABLE 1
PHYSICAL CONDITION OF COMPONENTS

Condition	Aeration Tank	Settling Tank	Chlorine Contact Chamber	Digester	Holding Pond Spray Field
1. Evidence of overloading	None	None	None	None	None
2. General Condition	Good	Good	Good	Good	Good
3. Meet applicable requirements of Rule 62-00.400	Yes	Yes	Yes	Yes	Yes
4. Operating Properly	Yes	Yes	Yes	Yes	Yes
5. Adequate safety features	Yes	Yes	Yes	Yes	Yes

PHYSICAL CONDITIONS

Hydraulic & Organic Overloading

- No evidence of past spills at the plant or through nearby (upstream) Manholes or (Discoloration of the ground or a strong smell may indicate past spills at the plant.
- No raw sewage pumping stations, influent lines, overflow weirs, or other structures surcharged.
- No, old high water lines or weirs on the clarifier flooded.

General Conditions

- No, evidence of corrosion problems at the treatment plant and in the collection system.
- No sign of the units or associated equipment show signs of excessive wear.

Rule Requirements

- Yes, each component, system, or process meet the applicable reliability standards required by Rule 17-600.400(1)(b), F.A.C.
- Yes, the facility has adequate alarm systems for power or equipment failures as recommended by standard design references.
- Yes, they working properly.
- Yes, the standby power or other equivalent provisions provide for all components, systems, and processes as recommended by standard design references.
- No, adverse effects resulting from odors, noise, aerosol drift, and lighting at the facility.
- No piles of collected screenings, slurries, residuals, or by-products of treatment.

Operating Problems

- Yes, all components, systems, or processes (including associated equipment such as pumps, blowers, air compressors, oxygen systems, scum collection systems, residuals collection systems, diffusers, mechanical aerators, mechanical drives, mechanical mixers, motors, residuals heater, feed systems, backwash systems, control systems, flow measurement devices, automatic valves, ventilation fans, and other miscellaneous equipment) are operating properly.
- None of the components, systems, or processes is out of service.
- excessive noises associated with any component, system, or process.
- There is not unusual equipment intended to correct operational problems (e.g.special pumps, floating aerators in diffused air systems, chemical feeders, temporary construction or structures, or any improvised system.
- All the components, systems, and processes are expected to continue to operate properly for the permit period.

Safety Features

- Proper safe precautions are used for each component, system & process.
- Yes, a written set of safety rules are available to all employees.
- Yes, the plant is generally clean and free from open trash areas.

- Yes, the plant site is enclosed with a fence or otherwise designed with appropriate features that discourage the entry of animals or unauthorized persons.
- No there is no cross connections between a potable water supply and non potable source.
- The plant does not have the following recommended safety equipment:
    - Portable air blower
    - Electric explosion-proof lantern
    - Safety harness
    - Hose mask with hand blower & 50 foot hose
    - Self contained breathing apparatus for plants using chlorine
    - Explosion and oxygen meters
- No, personnel protective clothing provided.
- No, portable hoists available for equipment removal.
- Ladders are provided to enter manholes of wetwells.
- Stairs, walkways and platforms are free of grease, oil and debris.
- Adequate lighting provided.
- Yes, protective guards are provided and in place on all rotating machinery.
- Yes, all electrical circuitry enclosed and identified.
- Appropriate warning signs are posted on site.
- All chemicals are stored properly.
- No undiked oil/chemical storage tanks used at the facility.
- Chemical storage tanks are designed to handle the particular chemical.
- Yes, access points for sampling dry points can be reached safely.

Staffing & Maintenance Management

- The facility is adequately staffed with certified operators in accordance with the requirements of Rule 17-602, F.A.C.
- No evidence of corrosion problems at the treatment plant and in the collection system.
- No units or associated equipment show signs of excessive wear.

Flow Measurement

- Flow meter used is a diaphragm meter; the design capacity is 1.0 mgd.
- Present wastewater flow measured 0.066 +/- mgd.
- The flow meter is located after the C.C.C.
- The flow measurement system is capable of measuring the entire range of wastewater flow.
- Flow measurements are being properly made by plant personnel and records being kept- increase and drops are accounted for.
- Flow chart exhibits uniform flow.
- Weirs are free of debris.
- No return flows discharge upstream from the meter.
- Weirs are free from debris.
- Calibration of flow meter is done once yearly, last calibration date 6-20-20
- Routine inspection for proper operation is done daily, maintenance inspections done 6 days a week by plant personnel.

CHAPTER 3 - Treatment Efficiency

1. Each Treatment Unit

The past 28 month operating data in the following tables is used for evaluating the actual performance efficiency of the treatment plant:

UPDATED ORGANIC LOADING INFORMATION

PARAMETER	DESIGN LOADING	Nov. 2018- Feb. 2020 AVG. LOADING
CBOD5 (effluent)	20mg/l	7.98 mg/l
**TSS(effluent)	20mg/l	21.25 mg/l
**PH	6.0 s.u. min/8.5 s.u. max	7.25 s.u. min./7.91 s.u. max.
Fecal Coliform	200 ml	2.44ml
**TRC	0.5mg/l min.	>2.2mg/l
Nitrate	12.0 mg/l max	MNR

See Laboratory Analytical Report submitted to the Tradewinds WWTF folder.

The current organic loadings are within the design loadings used to establish plant capacity.

MONTHLY AVERAGE DAILY FLOWS 2018-2020

The following information is taken from Monthly Operating Reports.

MONTH	PERCENTAGE OF PERMITTED CAPACITY	MONTHLY AVG. FLOW (mgd)
May 2018	77.00%	0.063
June	78.00%	0.063
July	78.00%	0.063
August	79.00%	0.064
September	82.00%	0.067
October	85.00%	0.069
November	87.00%	0.070
December	86.00%	0.069
January 2019	85.00%	0.069
February	82.00%	0.066
March	81.00%	0.065
April	79.00%	0.064
May	78.00%	0.063
June	77.00%	0.063
July	78.00%	0.063
August	79.00%	0.064
September	80.00%	0.065
October	80.00%	0.065
November	79.00%	0.064
December	80.00%	0.064
January 2020	79.00%	0.064
February	78.00%	0.063
March	78.00%	0.063
April	78.00%	0.063

PERMITTED PERCENT CAPACITY CHART

ANNUAL AVERAGE DAILY FLOWS

The following information is taken from Monthly Operating Reports

YEAR	PERCENTAGE OF PERMITTED CAPACITY	ANNUAL AVG. FLOW(mgd)
2018	81.4%	.066
2019	80.2%	.065
2020	79.0%	.064

From the above table the average wastewater flow is 80.2% of permit capacity.

1. Overall

The above evaluation indicates that the efficiency of the treatment and reuse facilities are within acceptable operating ranges.The normal operating parameters specifies for secondary treatment that the annual average CBOD and TSS are not to exceed 20 mg/l. The actual performance data indicates that these parameters were exceeded during the past 12 months only, and are being addressed at the plant.

CHAPTER 4 - Performance Trends

1. Influent

It is expected that the future trend of the influent will remain consistent with current loadings and the loadings will remain within the normal range for domestic wastewater.

2. Effluent and Reclaimed Water

There does not appear to be any variations in the data which would establish a significant decreasing or increasing trend in the quality of the effluent. Therefore, it is expected that the trend will remain in the range and that the facilities will meet the permit limitations during the next five (5) years.

3. Three- month Average Daily Flows

Flow data recorded during the past 12 months indicates that the maximum three-month ADF (0.064 mgd) did not exceed the permitted capacity, and planning for the expansion of wastewater facilities will not be required during the next 10 years under the provisions of Rule 62-600.405, F.A.C.

THREE MONTH AVERAGE DAILY FLOWS

The following information is taken from Monthly Operating Reports. The permitted capacity at this time was 0.081 MGD.

MONTH	PERCENTAGE OF PERMITTED CAPACITY	THREE MONTH AVG. FLOW(mgd)
May 2018	72.84%	0.059
June	79.01%	0.064
July	83.95%	0.068
August	81.48%	0.066
September	95.06%	0.077
October	81.48%	0.066
November	86.42%	0.070
December	81.48%	0.066
January 2019	81.48%	0.066
February	76.54%	0.062
March	79.01%	0.064
April	77.78%	0.063
May	74.07%	0.060
June	80.25%	0.065
July	80.25%	0.065
August	85.19%	0.069
September	71.60%	0.058
October	80.25%	0.065
November	85.19%	0.069
December	76.54%	0.062
January 2020	74.07%	0.060
February	76.54%	0.062
March	83.95%	0.068
April	77.78%	0.063

4. Ground Water Quality

Ground water monitoring is not required under the provisions of Rule 62-601.700 (1), F.A.C.

5. Surface Water Quality

Surface water is not required by the permit.

6. General

There have been no reports of untreated bypasses, discharges or overflow or findings on file.

CHAPTER 5 - Operation and Maintenance Program

1. Record Drawings

The record drawings are available at:
Tradewinds Utilities, Inc. 1552 SW 7thth Court, Ocala, Fl. 34472
Tradewinds WWTF 2925 NE 43rd Place, Ocala, FL 34479

2. Operation and Maintenance Manual

An operation and maintenance manual is maintained at the office of the manager and on-site.

Tradewinds Utilities, Inc. 1552 SW 7thth Court, Ocala, Fl. 34472
Tradewinds WWTF 2925 NE 43rd Place, Ocala, FL 34479

3. Operation Maintenance Log

An up-to-date operation and maintenance log is maintained on-site in a water proof container and is available for review by authorized personnel. The current log appears to comply with requirements of Rule 62-602(1)(e).

4. General

a. The facility is staffed with a certified operator in accordance with Rule 62-602(3)(c).

b. The facility's maintenance and record keeping programs are considered to be adequate.

c. All laboratory test required by the Department rules are performed by a laboratory that has been certified . On-site pH and chlorine residual tests are performed during the operator visits and by local maintenance personnel when required to record a minimum tests required for 5 days per week.

CHAPTER 6 - Collection System Evaluation

1. Excessive Infiltration and Inflow

There are no known problems with the treatment plant which are caused by the operation of the collections or transmission facilities, or which result from excessive infilteration and or inflow.

2. Septic Wastewater

There are no treatment plant problems that result from septic wastewater.

3. Industrial Contributions

There are no known treatment plant problems that result from the introduction of non-domestic pollutants or toxic substances.

4. Commercial Contributions

The wastewater treatment facility receives commercial flow from the Pearl Britain Plaza which is monitored and is treated effectively at the plant.
Pearl Britain Plaza is not a new wastewater contributor it has been in place since last application process.
Phoenix Wood Products has eefluent primary restroom waste that has been added to the treatment facility.

CHAPTER 7 - Problems, Deficiencies and Corrective Actions

1. Problems and/or Deficiencies

None are noted.

2. Corrective Actions

The plant is operating in accordance with the recommended standards for wastewater facilities, and at this time does not require any corrective action.

No discharge from the restaurant or laundry is causing problems for the treatment plant.

UPDATED CAPACITY ANALYSIS REPORT

FOR

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY

OCALA, FLORIDA
MARION COUNTY

Facility Identification Number: 3042P00364
Facility Permit Number: D042-230398
Expiration Date: **12/21/2020**

Prepared by:
Miles Christian Anderson Consulting Engineers, Inc.
2300 SE 17th Street, Suite 200
Ocala, FL 34471

June 2020

TABLE OF CONTENTS

TABLE OF CONTENTS 2
Summary and Recommendations 3

CERTIFICATIONS 4
Statement of Capacity 5

INTRODUCTION 6

GENERAL 6

DESCRIPTION OF FACILITIES 6
Tradewinds Utilities, Inc.Water Treatment Plant 6
Reclaimed/Reuse Water Land Application of Effluent 6
Residuals Disposal 6

EXISTING CONDITIONS 7

PERMITTED CAPACITIES 7
Tradewinds Utilities, Inc. Water Treatment Plant 7
Reclaimed/Reuse Water Land Application of Effluent 7
Residuals Disposal 7

MONTHLY AVERAGE DAILY FLOWS 8

THREE MONTH AVERAGE DAILY FLOWS 9

ANNUAL AVERAGE DAILY FLOWS 10

SEASONAL VARIATIONS IN FLOW 11

UPDATED ORGANIC LOADING INFORMATION 11

FUTURE CONDITIONS 11

POPULATION PROJECTIONS 11

FLOW PROJECTIONS 12

SUMMARY AND RECOMMENDATION 12

THREE MONTH AVERAGE DAILY FLOW VS PERMITTED CAPACITY 12

RECOMMENDATION FOR EXPANSION 12

OPERATION & MAINTENANCE PROGRAM 13

GENERAL: STAFFING 13
FACILITY PROGRAM 13
TESTING 13

RECORD DRAWINGS 13

OPERATION & MAINTENANCE MANUAL 13

OPERATION & MAINTENANCE LOG 13

COLLECTION SYSTEM EVALUATION 14

INFILTRATION AND INFLOW 14

SEPTIC WASTEWATER 14

COMMERCIAL CONTRIBUTION 14

FIELD EVALUATION 15

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT PLANT

CERTIFICATIONS

PERMITTEE:

TRADEWINDS UTILITIES, INC.
Charles DeMenzes, President
P.O. Box 4230
Ocala, Florida 34478
(352) 622-4949

As the responsible authority for the Tradewinds Utilities, Inc. WWTF, the undersigned certifies that he is fully aware of and intends to comply with the recommendations and schedules included herein.

Date: 7-6-20 Signature of Responsible Authority

ENGINEER:

Miles Christian Anderson Consulting Engineers, Inc.
2300 SE 17th Street, Suite 200
Ocala, FL 34471
(353) 629-5591

As the Professional Engineer responsible for preparation of this report, the undersigned certifies that the information contained in this report is true and correct to the best of his knowledge, the report was prepared in accordance with sound engineering principles, and the recommendations and schedules have been discussed with the permittee or permittee's delegated representative.

Date: 7/7/20 Signature of Engineer

Florida Registration No. 39385

STATEMENT OF CAPACITY FOR NEXT FIVE YEARS
(Make appropriate selection)

✓ The analysis of the wastewater treatment facility indicates that the permitted capacity will not be equaled or exceeded within the next five years.

___ The analysis of the wastewater treatment facility indicates that the permitted capacity will be equaled or exceeded within the next five years. As the professional engineer responsible for the preparation of plans and specifications, the undersigned certifies that planning and preliminary design specifications, for the necessary expansion, are being prepared.

Date: 7/7/20 Signature of Engineer

Florida Registration No. 39385

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY

STATEMENT OF CAPACITY FOR NEXT FOUR YEARS
(Make appropriate selection)

_✓_ The analysis of the wastewater treatment facility indicates that the permitted capacity will not be equaled or exceeded within the next four years.

_____ The analysis of the wastewater treatment facility indicates that the permitted capacity will be equaled or exceeded within the next four years. As the professional engineer responsible for the preparation of plans and specifications, the undersigned certifies that plans and specifications for the necessary expansion ~~are being prepared~~.

Date: 7/7/20 Signature of Engineer _____

Florida Registration No. 39385

PERMITTEE:

STATEMENT OF CAPACITY FOR NEXT THREE YEARS
(Make appropriate selection)

_____ The analysis of the wastewater treatment facility indicates that the permitted capacity will not be equaled or exceeded within the next three years.

_____ The analysis of the wastewater treatment facility indicates that the permitted capacity will be equaled or exceeded within the next three years. As the responsible authority for the Tradewinds Utilities, Inc. Wastewater Treatment Facility, the undersigned certifies that a complete construction permit application will be submitted to the Department of Environmental Protection within 30 days of submittal of this capacity analysis report.

Date:_____ Signature of Responsible Authority_____

STATEMENT OF CAPACITY FOR NEXT SIX MONTHS
(Make appropriate selection)

_____ The analysis of the wastewater treatment facility indicates that the permitted capacity will not be equaled or exceeded within the next six months.

_____ The analysis of the wastewater treatment facility indicates that the permitted capacity will be equaled or exceeded within the next six months. A complete construction/temporary operation/operation permit application for the expanded facility, as appropriate, is being submitted to the Department of Environmental Protection with this capacity analysis report.

Date:_____ Signature of Responsible Authority_____

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY

INTRODUCTION

GENERAL

THIS IS AN UPDATED CAPACITY ANALYSIS REPORT FOR THE WASTEWATER TREATMENT FACILITY THAT CURRENTLY SERVES 274 RESIDENTIAL DWELLING & 38 COMMERCIAL ACCTS., IN THE TRADEWINDS, COUNTRYSIDE ESTATES SUBDIVISIONS & GEORGE MAYO DEVELOPMENT. THE PROJECTED NUMBER OF DWELLING UNITS TO BE ADDED IN THE NEXT 5 YEAR PROGRAM IS 100.

DESCRIPTION OF FACILITIES

Tradewinds Utilities, Inc. Wastewater Treatment Facility

The treatment plant consists of a McNeil concrete 0.065 mgd extended wastewater treatment plant in parallel with a Marolf .050 Mgd extended aeration WWTP. The treatment plant is a Class III activated sludge plant with extended aeration operation proceeded by a common surge tank. The plant was placed into operation August 1985. The components of this plant are as follows:

See specifications on following pages.

Reclaimed/Reuse Water Land Application of Effluent

The treated effluent is applied to an on-site land application system that consists of the following:

(1) Spray field with a total of 5.00 acres, area under irrigation is 2.34 acres.

Residuals Disposal

When necessary, solids residuals are removed from the digester by a contract hauler and stabilized at a residuals treatment facility

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY

EXISTING CONDITIONS

PERMITTED CAPACITIES

Tradewinds Utilities, Inc. Wastewater Treatment Facility

The wastewater treatment facility receives flow from the Tradewinds, the Pearl Britain Plaza, Phoenix Wood Products, and Countryside Estates subdivision. The permitted capacity of the wastewater treatment facility is 0.081 MGD.

Reclaimed/Reuse Water Land Application of Effluent

The spray field has a design application rate of 0.054 inches per hour with an average hydraulic loading rate of 7.22 inches per week at full permitted wastewater treatment plant capacity of .081 MGD. Based upon SCS Soil Data the percolative capacity of the spray field 12" per hour.

Residuals Disposal

Residuals disposal is handled by a contract hauler who removes the residuals from the digester, hauls them off-site and then treats them by lime stabilization and land application.

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY

MONTHLY AVERAGE DAILY FLOWS JULY 2012- JUNE 2015

The following information is taken from Monthly Operating Reports.

MONTH		PERCENTAGE OF PERMITTED CAPACITY	MONTHLY AVG. FLOW (mgd)
May	2018	77.00%	0.063
June		78.00%	0.063
July		78.00%	0.063
August		79.00%	0.064
September		82.00%	0.067
October		85.00%	0.069
November		87.00%	0.070
December		86.00%	0.069
January	2019	85.00%	0.069
February		82.00%	0.066
March		81.00%	0.065
April		79.00%	0.064
May		78.00%	0.063
June		77.00%	0.063
July		78.00%	0.063
August		79.00%	0.064
September		80.00%	0.065
October		80.00%	0.065
November		79.00%	0.064
December		80.00%	0.064
January	2020	79.00%	0.064
February		78.00%	0.063
March		78.00%	0.063
April		78.00%	0.063

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY THREE MONTH AVERAGE DAILY FLOWS

The following information is taken from Monthly Operating Reports. The permitted capacity at this time was 0.081 MGD.

MONTH	PERCENTAGE OF PERMITTED CAPACITY	THREE MONTH AVG. FLOW(mgd)
May 2018	72.84%	0.059
June	79.01%	0.064
July	83.95%	0.068
August	81.48%	0.066
September	95.06%	0.077
October	81.48%	0.066
November	86.42%	0.070
December	81.48%	0.066
January 2019	81.48%	0.066
February	76.54%	0.062
March	79.01%	0.064
April	77.78%	0.063
May	74.07%	0.060
June	80.25%	0.065
July	80.25%	0.065
August	85.19%	0.069
September	71.60%	0.058
October	80.25%	0.065
November	85.19%	0.069
December	76.54%	0.062
January 2020	74.07%	0.060
February	76.54%	0.062
March	83.95%	0.068
April	77.78%	0.063

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY ANNUAL AVERAGE DAILY FLOWS

The following information is taken from Monthly Operating Reports

YEAR	PERCENTAGE OF PERMITTED CAPACITY	ANNUAL AVG. FLOW(mgd)
2018	81.4%	.066
2019	80.2%	.065
2020	79.0%	.064

SEASONAL VARIATIONS IN FLOW

No significant variations in flow in year 2006/2009 were found.

UPDATED ORGANIC LOADING INFORMATION

The current organic loadings are within the design loadings used to establish plant capacity.
**These have been noted and fixed **

FUTURE CONDITIONS

POPULATION PROJECTIONS

PARAMETER	DESIGN LOADING	Nov. 2018- Feb. 2020 AVG. LOADING
CBOD5 (effluent)	20mg/l	7.98 mg/l
**TSS(effluent)	20mg/l	21.25 mg/l
**PH	6.0 s.u. min/8.5 s.u. max	7.25 s.u. min./7.91 s.u. max.
Fecal Coliform	200 ml	2.44ml
**TRC	0.5mg/l min.	>2.2mg/l
Nitrate	12.0 mg/l max	MNR

The existing service area is substantially built out and a few additional connections are expected between 2009-2015, 20 new connections per year anticipated. An expanded service area is being planned in the George Mayo Subdivision.

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY

YEAR	SUBDIVISION	NO. OF UNITS
2021	4	489
2022	5	502
2023	5	508
2024	5	518
2025	5	528
2026	5	538
2027	5	548
2028	5	558
2029	5	568
2030	5	588

FLOW PROJECTIONS

Average daily flow per dwelling unit taken from the Monthly Operating Reports is 124 - 135 GPD. The average ratio of yearly maximum three month average daily flows as noted above in SEASONAL VARIATIONS IN FLOW has a variation of 1.07, number will vary due to (a) water conservation & (b) New meters installed and measure has been more accurate and unidentified losses from the early 2000's. Flow meters at residences are actively being upgraded. Correlation of billing vs flows are being checked.

YEAR	NO. OF UNITS	ANNUAL AVERAGE DAILY FLOW (MGD)	MAXIMUM THREE MONTH AVERAGE DAILY FLOW
2021	488	.065	.066
2022	498	.067	.067
2023	508	.067	.068
2024	518	.068	.068
2025	528	.068	.069
2026	538	.070	.070
2076	548	.072	.072
2028	558	.073	.073
2029	568	.074	.074
2030	578	.074	.074

** Making people more aware of advertising conservative water methods. Over the years people have come more aware of their water use. Change per unit is modest.

TRADEWINDS UTILITIES, INC. WASTEWATER TREATMENT FACILITY SUMMARY AND RECOMMENDATION FOR EXPANSION

THREE MONTH AVERAGE DAILY FLOW VS. PERMITTED CAPACITY

Based on the Monthly Operating Reports, the Maximum Three Month Average Daily Flow does not exceed the permitted capacity of the wastewater treatment plant or the permitted capacity of the Reclaimed/Reuse Water Land Application Disposal System.

RECOMMENDATION FOR EXPANSION

Upon reviewing the performance level of this plant and the projected flow rates, it is our opinion that the Tradewinds Utilities, Inc. Wastewater Treatment Facility will need consideration for a 10,000 gallon addition tank, deep cleaning and piping replacement. This shall be reviewed during year 2021.

OPERATION AND MAINTENANCE PROGRAM

GENERAL

STAFFING

THE FACILITY IS ADEQUATELY STAFFED WITH A CERTIFIED OPERATOR IN ACCORDANCE WITH CURRENT DEPARTMENT RULES. THE OPERATOR' CERTIFICATION NUMBER IS C-7752.

FACILITY PROGRAMS

THE FACILITY'S MAINTENANCE, RECORD KEEPING AND SAMPLING PROGRAMS ARE CONDUCTED BY THE OPERATOR IN ACCORDANCE WITH THE DEPARTMENT RULES. LETTER DATED 9-27-16 SHALL GO INTO EFFECT AS REQUIRED.

TESTING

ALL LABORATORY TESTS REQUIRED BY THE DEPARTMENT ARE PERFORMED BY A CERTIFIED LABORATORY. ALL ON SITE TESTS FOR pH, DISSOLVED OXYGEN, AND CHLORINE RESIDUAL ARE PERFORMED BY A CERTIFIED LABORATORY OR UNDER THE DIRECTION OF AN OPERATOR CERTIFIED IN ACCORDANCE WITH CHAPTER 62-602, F.A.C.

RECORD DRAWINGS

In accordance with Rules 62-600.717 and 62-600.730(4)(b), F.A. C., up-to-date record drawings for the wastewater treatment facility are maintained and available to the operator at:

Tradewinds Utilities, Inc.
1552 SW 7th Court,
Ocala, Fl. 34472

&

Tradewinds WWTF
2925 NE 43rd Place
Ocala, FL 34479

TRADEWINDS UTILITY, INC. WASTEWATER TREATMENT FACILITY

OPERATION AND MAINTENANCE MANUAL

In accordance with Rules 62-600.720 and 62-600.730(4)(c), F>A>C>, an up-to-date operation and maintenance manual for the wastewater treatment and effluent disposal facilities is maintained and available to the operator at:

Tradewinds Utilities, Inc.
1552 SW 7th Court.,
Ocala, Fl. 34472
(352) 622-4949

Tradewinds WWTF
2925 NE 43rd Place
Ocala, FL 34479

The Operation and Maintenance Manual was last reviewed for updating on May 2009. The manual provides the operator with adequate information and description regarding the design, operation, and maintenance features of the facilities. The manual includes the information required by Rule 62-600.720(1)(b),F>A>C> with regard to the basic criteria, information and procedures required for the operation and maintenance of the facilities. The manual includes the information required by Rules 62-600.330(2) and 62-604.600(2)(f), F.A.C.. The requirements of Rule 62-28.230(3), F.A.C.(Operating requirements for Class II and Class III Wells) do not apply to this facility.

OPERATION AND MAINTENANCE LOG

An up-to-date operation and maintenance log with the entries required by Rule 62-602.360(I)(e)F.A.C. is maintained by the operator and available at the facility.

COLLECTION SYSTEM EVALUATION

INFILTRATION AND INFLOW

The collection system was examined during June 29 2020 by Miles Christian Anderson Consulting Engineers, Inc. There were no indications that infiltration or inflows were noted. The flow meter needs checking and the tanks cleaned of sludge. Spick in readings have occurred.

SEPTIC WASTEWATER

Septic conditions are not present at the wastewater treatment facilities. Septic wastewater is not accepted at the wastewater treatment facility.

COMMERCIAL CONTRIBUTIONS

The wastewater treatment facility receives commercial flow from the Pearl Britain Plaza which is monitored and is treated effectively at the plant.

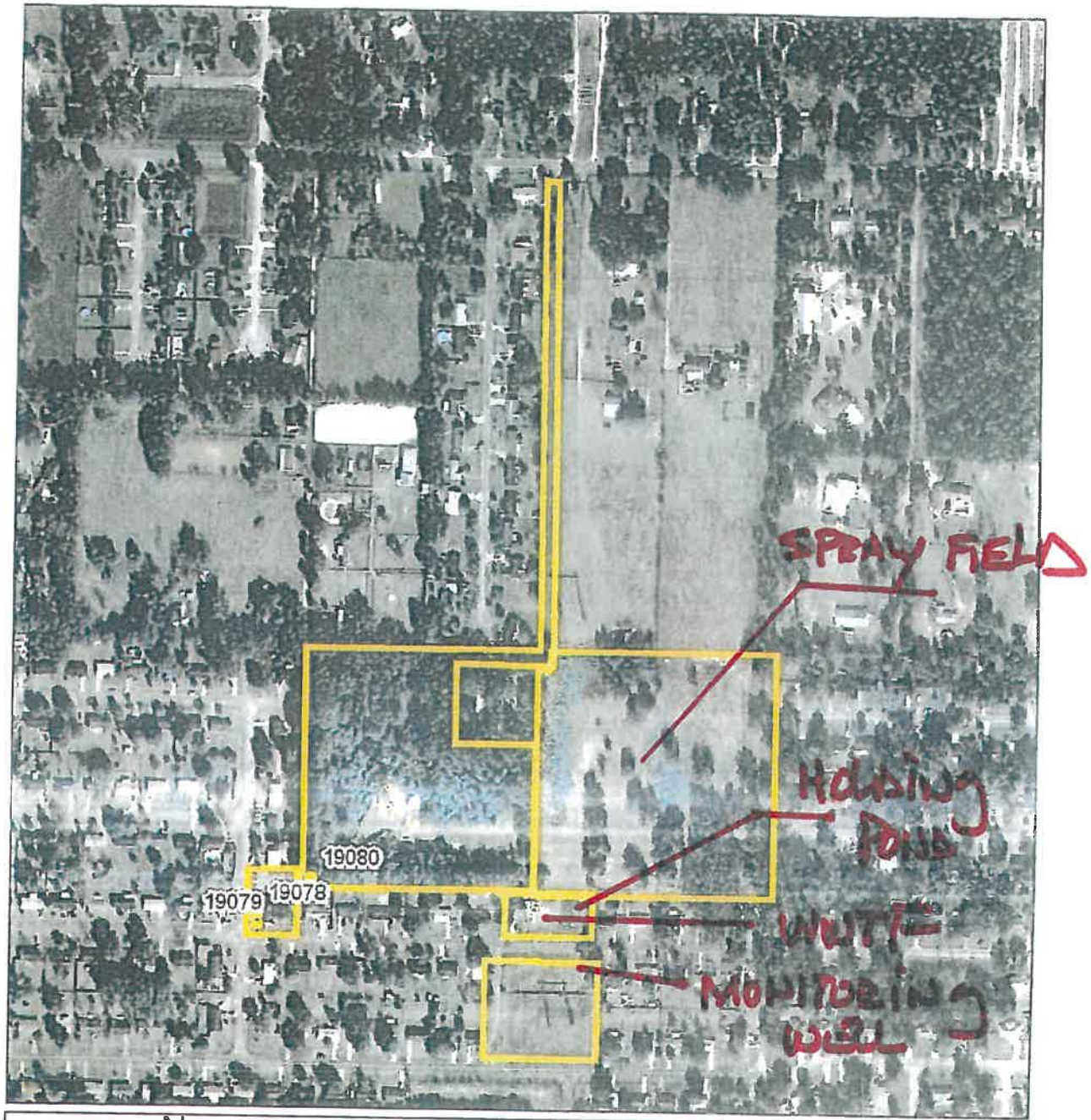
TRADEWINDS UTILITY, INC. WASTEWATER TREATMENT FACILITY

FIELD EVALUATION

The field evaluation was conducted by Miles Christian Anderson Consulting Engineers, Inc. in June 2020.

PHYSICAL CONDITION	**fair/good**
OPERATION AND MAINTENANCE PROGRAM	**good**
INDIVIDUAL COMPONENTS, SYSTEMS, AND PROCESSES	**fair**
REUSE SYSTEMS	**n/a**

SITE PLAN



N

0 400 800

Feet

Tradewinds
2995-5
Marion County

2005 Digital Ortho Quadrangle

Created: December 20, 2007

TRADEWINDS UTILITIES INC.

SPRAYFIELD

PARCEL #: 15840-04-00

PO BOX 5220

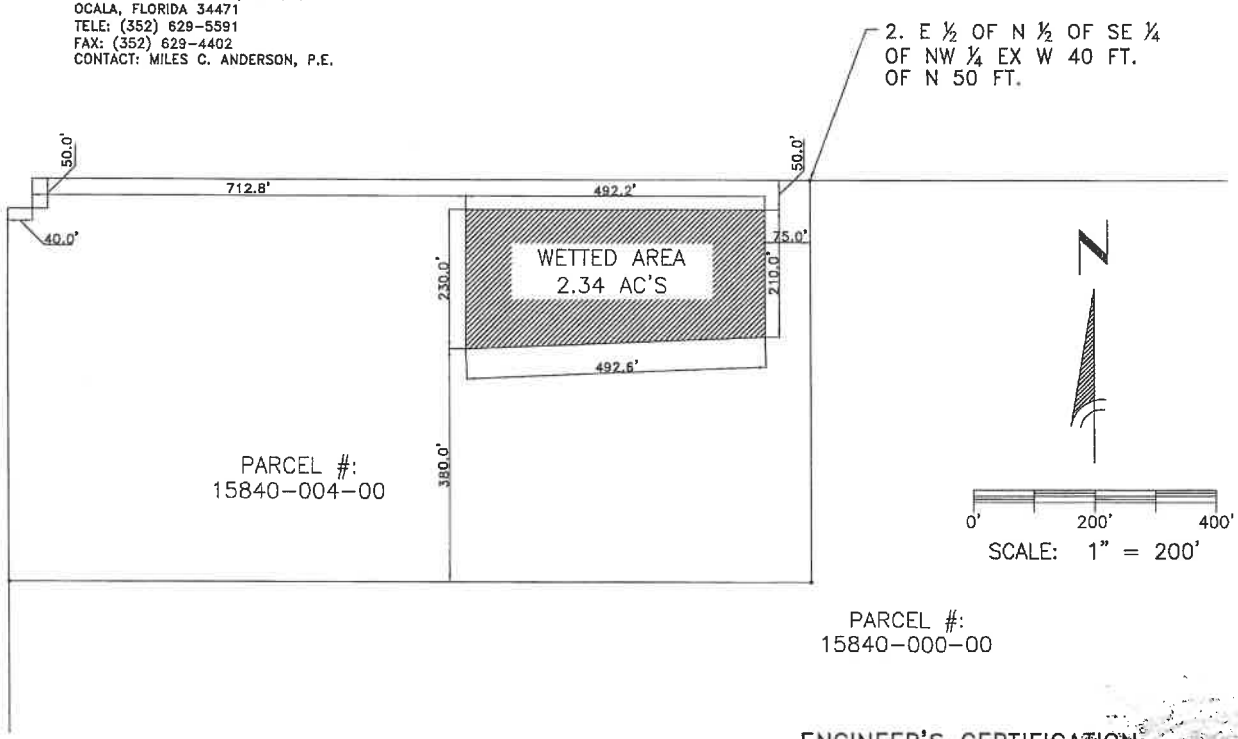
OCALA FL. 34478

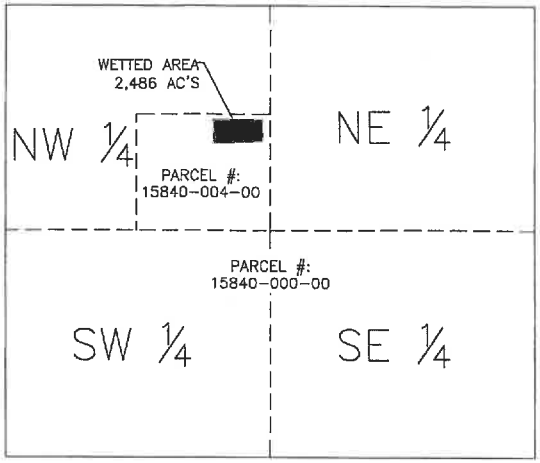
PROPERTY DESCRIPTION:

1. SEC 34 TWP 14 RGE 22
2. E ½ OF N ½ OF SE ¼ OF NW ¼ EX W 40 FT. OF N 50 FT.
3. PARENT PARCEL: 15840-000-00

ENGINEER:

MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS, INC.
2300 SE 17TH STREET, SUITE 200
OCALA, FLORIDA 34471
TELE: (352) 629-5591
FAX: (352) 629-4402
CONTACT: MILES C. ANDERSON, P.E.





LOCATION MAP
SEC. 34 TWP 14 RGE 22

RECEIVED
DEC 19 '75
DEP Central District

ENGINEER'S CERTIFICATION:

DATE:

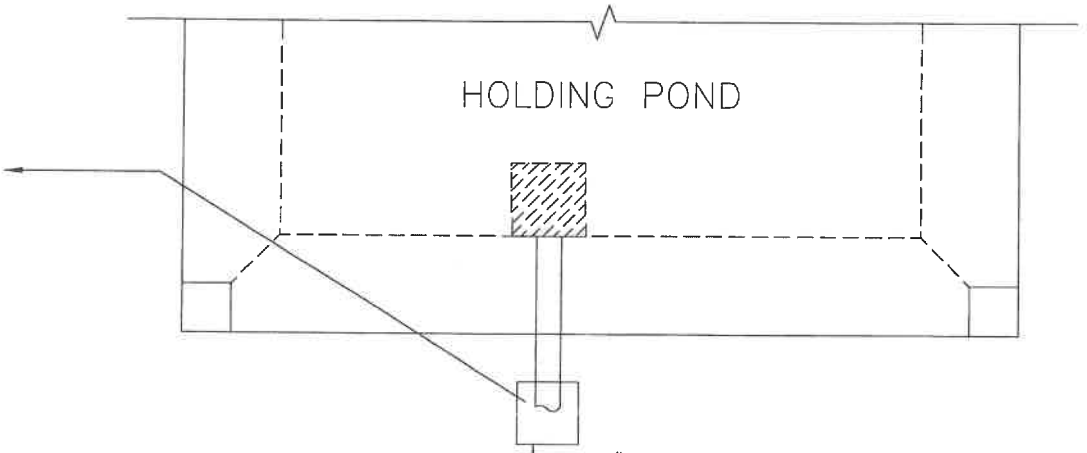
MILES C. ANDERSON, P.E.
PROFESSIONAL ENGINEER FLORIDA REGISTRATION NUMBER 39385
C.A. # 00009842

MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS, INC.
CIVIL — STRUCTURAL — LAND PLANNING — GOLF COURSE DESIGN
2300 S.E. 17TH STREET, SUITE 200 (352) 629-5591
OCALA, FLORIDA 34471 FAX (352) 629-4402

No.	REVISION	DATE
-	-	-

TRADEWINDS UTILITIES
SPRAYFIELD
SITE PLAN
OCALA, FLORIDA

DATE:	10-29-09	DESIGN: MCA	PROJ.	TRADEWINDS - SPRAYFIELD	SHEET 01
SCALE:	1" = 100'	DRAW: GM	FILE:	TRADEWINDS	OF 02
APPROVED:	MCA	CHECK: MCA	FILE#	Plan Sets/Conceptual	



PUMP# 1
PUMP# 2
DISCHARGE TO SPRAYFIELD

MAROLF S.T.P.

PUMP HOUSE W/ BLOWERS FOR MCNIEL & MARLOF TREATMENR PLANTS

CHLORINE CONTACT TANK W/ BAFFLE

FIELD OFFICE

BAFFLE

PUMP STATION

INFLUENT SAMPLE

SURGE TANK

CHLORINE TANK W/ STORAGE

"V" NOTCH MEASUREMENT & EFFLUENT SAMPLE POINT

EFFLUENT INFLOW

EXTENDED CHLORINE CONTACT TANKS

McNIEL S.T.P.

FIBER GLASS WEIR

TERTIARY TREATMENT MUD WELL DOSING TANK (NO CONNECTION)

TERTIARY TREATMENT W/ BACKWASH PUMPS (ABOVE) NO CONNECTED

RECEIVED
OCT 15 2015
DEP Central District

ENGINEER'S CERTIFICATION:

DATE:

MILES C. ANDERSON, P.E.
PROFESSIONAL ENGINEER FLORIDA REGISTRATION NUMBER 39385
C.A. # 00009842

MILES CHRISTIAN ANDERSON CONSULTING ENGINEERS, INC.
CIVIL — STRUCTURAL — LAND PLANNING — GOLF COURSE DESIGN
2300 S.E. 17TH STREET, SUITE 200
OCALA, FLORIDA 34471
(352) 629-5591
FAX (352) 629-4402

No.	REVISION	DATE

TRADEWINDS UTILITIES
TREATMENT FLOW DIAGRAM

OCALA, FLORIDA

DATE:	10-29-09	DESIGN:	MCA	PROJ.	TRADEWINDS - SPRAYFIELD	SHEET 02
SCALE:	NTS	DRAW:	GM	FILE:	TRADEWINDS	OF 02
APPROVED:	MCA	CHECK:	MCA	FILE#	Plan Sets/Conceptual	

CALIBRATIONS

FLORIDA RURAL WATER ASSOCIATION
2970 Wellington Circle
Tallahassee, FL 32309
1-800-872-8207

WEIR OR FLUME CALIBRATION
Flow Values Obtained by Using a Weir

FACILITY NAME: Trade Wind Utilities
FACILITY LOCATION: 2925 NE 43rd Place

ID: FLA010699
Anthony, Fla. Marion County

PRIMARY DEVICE

V-NOTCH WEIR	PARSHALL FLUME	RECTANGULAR WEIR
DEGREE OF V-NOTCH	WIDTH OF THROAT (IN)	CREST LENGTH (FT)
60	N/A	N/A

Gauge setting comparison using staff gauge: X Satisfactory ☐Unsatisfactory

Physical inspection of primary device approach, device and discharge: X Satisfactory ☐Unsatisfactory

SECONDARY DEVICE

TYPE: Isco Ultrasonic Flow Meter
MAKE/MODEL/SERIAL: Unknown
DATE OF LAST CALIBRATION: 3-15-2018

	LOW FLOW	MODERATE FLOW	HIGH FLOW
STAFF GAGE READING (ft)	0	.15	.38
ACTUAL FLOW (gpm)	0	5.51	56.25
TOTALIZER OR RECORDER READING(gpm)	0	5.40 ✓	55.23 ✓
PERCENT DIFFERENCE (%)	0	2%	2%

Physical Inspection of Secondary Device: X Satisfactory ☐Unsatisfactory
Totalizer Accuracy Check Using Stopwatch: ☐Satisfactory ☐Unsatisfactory

COMMENTS: _____

I hereby certify that the above test was performed in accordance with the best available technology.

TECHNICIAN SIGNATURE: DATE: 5-20-2020
Timothy Plymel FRWA 1-800-872-8207

TOTALIZER
Avg 259pm

Summary of Last 24 months Data for,

CBOD, TSS ,Fecal Coliform, Nitrate, Chlorine Residual, and PH

TRADEWINDS - CBOD, TSS, FECAL COLIFOM, CLORINE RESIDUAL, PH, AND NITRATE
ANNUAL AVERAGE REPORT 2018 -2020

YEAR	MONTH	CBOD	TSS	FECAL	PH	TRC	NITRATE	NITROGEN	PHOSPHORUS
2018	MAY	2	8	1	7.7	>2.2		19.1	5
	JUNE	2	5	1	7.6	>2.2		0.871	6.5
	JULY	2	6	1	7.6	>2.2		1.93	3.8
	AUGUST	3.8	27	15	7.6	>2.2		4.83	4.5
	SEPT	2	4	4	7.6	>2.2		6.44	5.2
	OCT	2	6	1	7.7	>2.2		11.4	4.7
	NOV	2.3	6	1	7.6	>2.2		4.12	2.1
	DEC	2	14	1	7.6	>2.2		7.94	3.4
2019	JAN	54	29	1	7.7	>2.2	MNR	29	5.4
	FEB	2	9	1	7.7	>2.2		1.49	2.2
	MARCH	4.5	12	1	7.7	>2.2		16	2.9
	APRIL	15.5	62	1	7.8	>2.2		29	4.8
	Average:	7.84	15.67	2.5	7.66	>2.2		11.010	4.208
2019	MAY	5.6	26	1	7.8	>2.2		34	6.4
	JUNE	22	18	4	7.8	>2.2		36	4.2
	JULY	5.6	48	3	7.8	>2.2		16.98	2.7
	AUGUST	3.6	6	3	7.9	>2.2		10	1.9
	SEPT	2	2	1	7.9	>2.2		12	0.93
	OCT	2	3	1	8.2	>2.2		14	1.2
	NOV	2	4	1	7.9	>2.2		26	1.9
	DEC	5	6	1	7.9	>2.2		24	3.6
2020	JAN	16	42	1	8.1	>2.2	MNR	40	2.5
	FEB	5	6	1	7.9	>2.2		50	5.5
	MARCH	25	85	1	7.9	>2.2		51	9.7
	APRIL	2	9	1	7.8	>2.2		41	6.2
	Average:	7.98	21.25	2.44	7.91	>2.2		29.582	3.894
Total 2018-2020 Average:		7.91	18.46	2.47	7.78			20.30	4.05

GROUND WATER MONITORING REPORTS

GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 07/01/2016 To: 09/30/2016	
Was the well purged before sampling? Yes		Sample Date: 07/07/2016 Sample Time: 17:00	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	37.41	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.62	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	174	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.33	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00024	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000073	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0027	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.39	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	12	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	0.82	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 10/01/2016 To: 12/31/2016	
Was the well purged before sampling? Yes		Sample Date: 10/05/2016 Sample Time: 14:30	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	38.05	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.68	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	185	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.25	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00019	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000035	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0017	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.33	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.9	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	.64	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
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GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 01/01/2017 To: 03/31/2017	
Was the well purged before sampling? Yes		Sample Date: 01/10/2017 Sample Time: 16:30	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	37.46	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.61	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	190	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	2.92	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00019	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000041	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0032	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.49	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	7.8	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	.82	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
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GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 04/01/2017 To: 06/30/2017	
Was the well purged before sampling? Yes		Sample Date: 05/25/2017 Sample Time: 13:54	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	36.17	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.54	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	191	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.11	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00021	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000043	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0031	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.0024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.25	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.7	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	.80	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
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GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 07/01/2017 To: 09/30/2017	
Was the well purged before sampling? Yes		Sample Date: 07/17/2017 Sample Time: 13:53	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	37.37	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.78	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	174	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.65	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00020	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000044	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0020	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	6.55	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	9.8	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.3	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

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GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 10/01/2017 To: 12/31/2017	
Was the well purged before sampling? Yes		Sample Date: 10/10/2017 Sample Time: 13:08	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.93	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	1.01	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	211	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	5.35	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00028	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000083	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0028	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	6.67	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	5.2	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.2	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

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Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

AQUA PURE WATER & SEWAGE SERVICE, INC.
10865 East State Road 40 • Silver Springs, Florida 34488-2349
(352) 625-2822
FAX (352) 625-6638

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

tification

certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 3-18-2018

Steve McNeil
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 01/01/2018 To: 03/31/2018	
Was the well purged before sampling? Yes		Sample Date: 01/03/2018 Sample Time: 12:02 PM	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	39.83	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	1.14	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	216	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	6.77	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00025	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.00010	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.020	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.35	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	1.4	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.44	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 1st Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 1/3/18
Time Sample Obtained: 1210

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	39.83	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	1.14	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	216	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	6.77	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.35	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	1.4 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	1.44 ‡	mg/L	Report	0.004	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00025 ‡ I	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00010 ‡ I	mg/L	0.005	0.000028	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.020 ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)
Steve McGee / Operator	Steve McGee	352-598-2121	3/18/18

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

† - Parameter not included in current laboratory certification.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

I.- The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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(352) 625-2822 FAX (352) 625-6638

ENVIRONMENTAL CHAIN OF CUSTODY

Date Received / Time Received
JAN 3 '18 PM 12:42

Client: **Tradewinds Utilities Inc.**

Report to: (Name and Mailing Address) [X] On file

Submission Number: 1861

PO Number: _____

Contact Name: **Deborah Dillon**

Contact Phone: **352-622-4949**

System Name: **Tradewinds Utilities**

System Permit Number: **FLA010699**

Sampler Name: Chris Monaco

Field Test Results (circle corresponding section letter)

Section A B C D E F pH: _____ TCR: _____ mg/L

Other: _____ Date / Initials: _____

Section A B C D E F pH: _____ TCR: _____ mg/L

r: _____ Date / Initials: _____

Section A B C D E F pH: _____ TCR: _____ mg/L

Other: _____ Date / Initials: _____

Sample Custody

Relinquished Signature: _____

Date: 1/3/18 Time: 1240 Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Laboratory Use Only

Preservative ($Na_2S_2O_3$ 30mg): Section(s) A (B) C D E F

Preservative (H_2SO_4 1.5mL): [ ] pH < 2.0 Section(s) A B C D E F

Preservative (_____): Section(s) A B C D E F

Preservative (Ice): Section(s) A B C D E F All Temp.: 3.5 °C

Received By: _____ [ ] Special

[ ] Paid Check or Receipt Number and Initials: _____

Comments: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

NO3, TDS, Cl, Turbidity

Sample Number: 1861 A

Other Parameters Requested: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

Fecal

Sample Number: 1861 B

Other Parameters Requested: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

As, Cd, Cr, Pb

Sample Number: 1861 C

Other Parameters Requested: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

TN

Sample Number: 1861 D

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number: E

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number: F

Other Parameters Requested: _____

Comments: _____

CAUTION: SAMPLE CONTAINERS MAY CONTAIN HAZARDOUS CHEMICALS.

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GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

ification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 6/25/18

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Monitoring Period: From: 04/01/2018 To: 06/30/2018

Was the well purged before sampling? Yes

Sample Date: 04/25/2018 Sample Time: 11:08 AM

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	39.53	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.80	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	185	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	4.45	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.000077	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.000064	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0023	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.17	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	6.3	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.21	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	06/25/2018

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1**
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 2nd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 4/25/18
Time Sample Obtained: 1108

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	39.53	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	0.80	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	185	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	4.45	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.17	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	6.3 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	1.21 ‡	mg/L	Report	0.080	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.000077 U ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.000064 U ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0023 ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)
Steve McGee / Operator	Steve McGee	352-598-2121	6/25/18

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]
U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.

AQUA PURE WATER & SEWAGE SERVICE, INC.
10865 East State Road 40 • Silver Springs, Florida 34488-2349
(352) 625-2822
FAX (352) 625-6638

CALIBRATION LOG

ITS Work Order Number: AP-TU-2328-042518

CLIENT: Aqua Pure Water & Sewage Service

ADDRESS: 3855 East Silver Springs Blvd., Unit #107

CITY, STATE: Ocala, Florida 34470 Site: Tradewinds Utilities

START CAL DATE @ TIME: 04/25/18 @ 0655 END CALIBRATION DATE @ TIME: 04/25/18 @ 1610

YSI 556 MULTI PARAMETER METER - S/N 05G1942 AI (ITS #2) REV 5.38

pH Sensor Per DEP-SOP-001/01 FT 1100

Standard	METER READING INITIAL	METER READING CCV	VERIFY @ START	LOT NUMBER	EXP DATE
4.005	4.03	4.03	-	CC499467	Apr-19
7.000	7.02	6.96	7.02	CC506435	Jun-19
10.012	10.02	9.98	✓	CC502429	May-19

Standards are prepared by OAKTON. Liquid Temp: N/A

Temperature Sensor Per DEP-SOP-001/01 FT 1400

STANDARD (ERTCO Thermometer)		YSI METER TEMP READING LOW	YSI METER TEMP READING HIGH	LOT NUMBER	DATE PERFORMED (Quarterly)
LOW	5.20	5.22		NA	03/29/18
HIGH	29.10		29.13		03/29/18

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2208. Temp is In ° unless otherwise noted. YSI is checked against ERTCO once per Quarter

Dissolved Oxygen Sensor Per DEP-SOP-001/01 FT 1500

STANDARD (ppm)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
0.00	.22	.23	7GE852	May-18
fresh air @				
17.00 °C	9.63			
25.44 °C		8.11		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by [illegible]n.

Conductivity Sensor Per DEP-SOP-001/01 FT 1200

STANDARD µmhos	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
8,974	NM	NM	7GD334	Apr-18
2,764	2767	2767	7GA874	Jan-18
447	NM	NM	No Stock	No Stock
84	85	87	7GA373	Jan-18

Standards prepared by Oakton. All standards are potassium chloride solutions.

ORP Sensor Per DEP-SOP-001/01 FT 2100

STANDARD (mV)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
200	NM	NM	7GH1059	May-18
400	NM	NM	7GG040	Jul-18

Standard is ORP solution +/- 5% @ 25° C, prepared by USA Blue Book

HACH POCKET COLORIMETER II S/N 06070D052733

STANDARD ID	BLANK	1	2	3
MFGR VALUE mg/L	0.00	.21	0.90	1.61
VERIFIED VALUE mg/L	0.00	0.22	0.92	1.60
CCV METER mg/L	NM	NM	NM	NM

Standard is HACH DPD Chlorine LR secondary GEL Standard, Lot A5318 Verified 02/09/15

HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 S/N 910285 Per DEP-SOP-001/01 FT 1600 (ITSNTU # 1)

STANDARD (ntu)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
1000	NM	NM	See Below	Sep-18
100	100	99.4	See Below	Sep-18
10	10	10	See Below	Sep-18
0.02	.02	.02	See Below	Sep-18

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 60973

Remarks:

Weather Conditions: Clear Sunny 79° Breezy

Equipment Blank with D.I. water

Zephyrhills brand Lot #032518004WF2330640

Exp Date 09/30/19

Equipment Blank Data - Collected @ 1119

pH = 6.30 Cond = 3

Temp = 20.17 D.O. = 8.65

Turbidity = .20

Notes: NA - Not Applicable, NM - Not Measured, CCV - Continuing Calibration Verification Form Rev 5.38 on 11/03/17; Update for Calibration Solutions

All equipment used to obtain data at this site is owned, operated, and maintained by Ideal Tech Services Inc., unless otherwise noted. All equipment was purchased new from the manufacturers or authorized distributors. Preventative maintenance will be performed at the intervals specified by the manufacturer of each piece of equipment, or when equipment calibration results are out of tolerance. Equipment maintenance logs will be maintained by Ideal Tech Services Inc.

COPY TO: Lisa Saupp

SIGNED:

Chris Monaco or Karen LeBeau

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Tradewinds Utilities	SITE LOCATION:	Marion County, Florida	
WELL NO:	MWC-1	SAMPLE ID:	See Lab Report	DATE: 4/25/18

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	unk. feet to unk. feet	22.21	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.30 feet – 22.21 feet) X .16 gallons/foot = 1.61 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.00	23.00	1045	1059	3.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1053	2.00	2.00	.25	22.77	7.02	23.88	375	5.31	5.60	none	none
1056	.75	2.75	.25	22.77	7.09	23.84	374	5.29	7.90	none	none
1059	.75	3.50	.25	22.77	7.17	23.93	375	5.22	8.10	none	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		1059	1108

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm Glass Membrane
23.00	PE		

FIELD DECONTAMINATION: PUMP [Y] N TUBING Y [N] (replaced) DUPLICATE: [Y] N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MWC-1	2	PE	1 Qt	4° C	None	-	NO_3, TDS, Cl, NTU	ESP	≈ 946
MWC-1	2	O (Sterile)	120 mL	$Na_2S_2O_3$	None	-	Fecal Coliform	ESP	≈ 946
MWC-1	2	PE	500 mL	HNO_3	None	<2	<2	As, Cd, Cr, Pb	ESP	≈ 946
MWC-1	2	PE	250 mL	H_2SO_4	None	<2	<2	TN	ESP	≈ 946
					Sample	Dup			

REMARKS:

DTW = 22.21 Reference Elevation = 61.74 GWTE = 39.53 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40 • Silver Springs, Florida 34488-2349

(352) 625-2822
FAX (352) 625-6638

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Tradewinds Utilities Inc.
Attn: Deborah Dillon
PO Box 5220
Ocala, FL 34478-5220

Submission Number: **1859**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Chris Monaco
Date Sample Received: 01/03/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
1859A	Eq. Blank	01/03/18	1140	Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.05	U	01/04/18	4:19 PM
				TDS in (10) mg/L by SM2540C	10	U	01/04/18	
				Chloride in (2.50) mg/L by EPA325.2	2.50	U	01/12/18	
				Turbidity in (0.10) NTU by SM2130B	0.40	I †	01/03/18	3:52 PM
1859B	Eq. Blank	01/03/18	1140	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/03/18	2:37 PM
1859C	Eq. Blank	01/03/18	1140	Arsenic in (0.000077) mg/L by SW 846-6020	0.000077	U ‡	01/15/18	
				Cadmium in (0.000028) mg/L by SW 846-6020	0.000028	U ‡	01/15/18	
				Chromium in (0.00011) mg/L by SW 846-6020	0.00011	U ‡	01/15/18	
				Lead in (0.00024) mg/L by SW 846-6020	0.00024	U ‡	01/15/18	
1859D	Eq. Blank	01/03/18	1140	Total Nitrogen in (0.004) mg/L by Calculation	0.279	‡	01/12/18	
				TKN in (0.050) mg/L by EPA351.2	0.26	‡	01/10/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	0.019	‡	01/11/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

Respectfully Submitted by: REPRINTED 3-14-18
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: January 24, 2018

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40
Silver Springs, Florida 34488-2349
(352) 625-2822 FAX (352) 625-6638

ENVIRONMENTAL CHAIN OF CUSTODY

Date Received / Time Received: JAN 3 '18 PM 12:40

Client: **Tradewinds Utilities Inc.**

Report to: (Name and Mailing Address) [X] On file

Submission Number: 1859

PO Number: _____

Contact Name: **Deborah Dillon**

Contact Phone: **352-622-4949**

System Name: **Tradewinds Utilities**

System Permit Number: **FLA010699**

Sampler Name: Chris Monaco

Field Test Results (circle corresponding section letter)

Section A B C D E F pH: _____ TCR: _____ mg/L

Other: _____ Date / Initials: _____

Section A B C D E F pH: _____ TCR: _____ mg/L

Other: _____ Date / Initials: _____

Section A B C D E F pH: _____ TCR: _____ mg/L

Other: _____ Date / Initials: _____

Sample Custody

Relinquished Signature: _____

Date: 1/3/18 Time: 1240 Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Laboratory Use Only

Preservative ($Na_2S_2O_3$ 30mg): Section(s) A (B) C D E F

Preservative (H_2SO_4 1.5mL): [ ] pH < 2.0 Section(s) A B C D E F

Preservative (_____): Section(s) A B C D E F

Preservative (Ice): Section(s) A B C D E F All Temp.: 1.3 °C

Received By: _____ [ ] Special

Paid Check or Receipt Number and Initials: _____

Comments: _____

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

NO3, TDS, Cl, Turbidity

Sample Number: 1859 A

Other Parameters Requested: _____

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

Fecal

Sample Number: 1859 B

Other Parameters Requested: _____

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

As, Cd, Cr, Pb

Sample Number: 1859 C

Other Parameters Requested: _____

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

TN

Sample Number: 1859 D

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number: E

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number: F

Other Parameters Requested: _____

Comments: _____

CAUTION: SAMPLE CONTAINERS MAY CONTAIN HAZARDOUS CHEMICALS.

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40 • Silver Springs, Florida 34488-2349
(352) 625-2822
FAX (352) 625-6638

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Tradewinds Utilities Inc.
Attn: Deborah Dillon
PO Box 5220
Ocala, FL 34478-5220

Submission Number: **1860**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Chris Monaco
Date Sample Received: 01/03/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
1860A	MWC-1	01/03/18	1210	Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	1.14		01/04/18	4:19 PM
				TDS in (10) mg/L by SM2540C	216		01/04/18	
				Chloride in (2.50) mg/L by EPA325.2	6.77		01/12/18	
				Turbidity in (0.10) NTU by SM2130B	1.4	†	01/03/18	3:52 PM
1860B	MWC-1	01/03/18	1210	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/03/18	2:37 PM
1860C	MWC-1	01/03/18	1210	Arsenic in (0.000077) mg/L by SW 846-6020	0.00025	I ‡	01/15/18	
				Cadmium in (0.000028) mg/L by SW 846-6020	0.00010	I ‡	01/15/18	
				Chromium in (0.00011) mg/L by SW 846-6020	0.020	‡	01/15/18	
				Lead in (0.00024) mg/L by SW 846-6020	0.00024	U ‡	01/15/18	
1860D	MWC-1	01/03/18	1210	Total Nitrogen in (0.004) mg/L by Calculation	1.44	‡	01/12/18	
				TKN in (0.050) mg/L by EPA351.2	0.24	‡	01/10/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	1.2	‡	01/11/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

Respectfully Submitted by: REPRINTED 3-14-18
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: January 24, 2018

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40
Silver Springs, Florida 34488-2349
(352) 625-2822 FAX (352) 625-6638

ENVIRONMENTAL CHAIN OF CUSTODY

Date Received / Time Received: JAN 3 '18 PM 12:42

Client: **Tradewinds Utilities Inc.**

Submission Number: 1860

Report to: (Name and Mailing Address) [X] On file

PO Number: _____

Contact Name: **Deborah Dillon**

Contact Phone: **352-622-4949**

System Name: **Tradewinds Utilities**

System Permit Number: **FLA010699**

Sampler Name: Chris Monaco

Field Test Results (circle corresponding section letter)

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Sample Custody

Relinquished Signature: _____

Date: 1/3/18 Time: 1240 Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Laboratory Use Only

Preservative ($Na_2S_2O_3$ 30mg): Section(s) A (B) C D E F

Preservative (H_2SO_4 1.5mL): [ ] pH < 2.0 Section(s) A B C D E F

Preservative (_____): Section(s) A B C D E F

Preservative (Ice): Section(s) A B C D E F (All) Temp.: 2.6 °C

Received By: _____ [ ] Special

Paid Check or Receipt Number and Initials: _____

Comments: _____

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

NO3, TDS, Cl, Turbidity

Sample Number: 1860 A

Other Parameters Requested: _____

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

Fecal

Sample Number: 1860 B

Other Parameters Requested: _____

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

As, Cd, Cr, Pb

Sample Number: 1860 C

Other Parameters Requested: _____

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

TN

Sample Number: 1860 D

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number: E

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number: F

Other Parameters Requested: _____

Comments: _____

CAUTION: SAMPLE CONTAINERS MAY CONTAIN HAZARDOUS CHEMICALS.

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40 • Silver Springs, Florida 34488-2349

(352) 625-2822
FAX (352) 625-6638

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Tradewinds Utilities Inc.
Attn: Deborah Dillon
PO Box 5220
Ocala, FL 34478-5220

Submission Number: **1861**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Chris Monaco
Date Sample Received: 01/03/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
1861A	Dup MWC-1	01/03/18	1210	Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	1.14		01/04/18	4:19 PM
				TDS in (10) mg/L by SM2540C	218		01/04/18	
				Chloride in (2.50) mg/L by EPA325.2	6.76		01/12/18	
				Turbidity in (0.10) NTU by SM2130B	1.6	†	01/03/18	3:52 PM
1861B	Dup MWC-1	01/03/18	1210	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/03/18	2:37 PM
1861C	Dup MWC-1	01/03/18	1210	Arsenic in (0.000077) mg/L by SW 846-6020	0.00025	I ‡	01/15/18	
				Cadmium in (0.000028) mg/L by SW 846-6020	0.00010	I ‡	01/15/18	
				Chromium in (0.00011) mg/L by SW 846-6020	0.0020	I ‡	01/15/18	
				Lead in (0.00024) mg/L by SW 846-6020	0.00024	U ‡	01/15/18	
1861D	Dup MWC-1	01/03/18	1210	Total Nitrogen in (0.004) mg/L by Calculation	1.81	‡	01/12/18	
				TKN in (0.050) mg/L by EPA351.2	0.71	‡	01/10/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	1.1	‡	01/11/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

REPRINTED 3-14-18

Respectfully Submitted by: _____
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: January 24, 2018

GROUND WATER MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 04/01/2018 To: 06/30/2018	
Was the well purged before sampling? Yes		Sample Date: 04/25/2018 Sample Time: 11:08 AM	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	39.53	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.80	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	185	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	4.45	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.000077	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.000064	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0023	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.17	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	6.3	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.21	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	06/25/2018

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 07/01/2018 To: 09/30/2018	
Was the well purged before sampling? Yes		Sample Date: 08/06/2018 Sample Time: 08:26 AM	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	41.43	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	2.35	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	248	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	18.6	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00025	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.00037	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0015	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.19	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.7	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	2.1	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	12/04/2018

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

tification

ertify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

REPRINTED
mm 6-29-20

Printed: August 27, 2018

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 3rd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 8/6/18
Time Sample Obtained: 0826

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	41.43	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.35	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	248	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	18.6	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.19	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	3.7 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.1 ‡	mg/L	Report	0.05	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00025 I ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00037 I ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0015 I ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]
U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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mm 6-29-20

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Monitoring Period: From: 10/01/2018 To: 12/31/2018

Was the well purged before sampling? Yes

Sample Date: 10/10/2018 Sample Time: 09:05 AM

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.92	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	2.51	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	293	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	29	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.00023	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.00096	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0010	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	6.97	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.1	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	2.3	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	12/04/2018

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

tification

certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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mm 6-29-20

Printed: November 8, 2018

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1**
Holding/Polishing Pond
WAFR# 112500****

Monitoring Period: 4th Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 10/10/18
Time Sample Obtained: 0905

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.92	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.51	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	293	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	29 ǂ	mg/L	250	1.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	6.97	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	3.1 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.3 ǂ	mg/L	Report	0.05	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00023 I ǂ	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00096 ǂ	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0010 I ǂ	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ǂ	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

ǂ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MW 6-24-20

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 01/01/2019 To: 03/31/2019	
Was the well purged before sampling? Yes		Sample Date: 03/07/2019 Sample Time: 09:56 AM	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.87	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	3.17	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	290	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	31.9	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.00030	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.00070	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0014	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.17	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	4.0	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	3.3	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	05/10/2019

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

ification

rtify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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MTM 6/29/20

Printed: April 2, 2019

GROUND WATER MONITORING WELL REPORT - PART D

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County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1**
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 1st Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 3/7/19
Time Sample Obtained: 0956

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.87	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	3.17	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	290	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	31.9	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.17	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	4.0 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	3.3 ‡	mg/L	Report	0.4	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00030 I ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00070 ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0014 I ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name:	Tradewinds WWTF	Monitoring Well ID: MWC-1	Compliance well @ holding/polishing pond site
Permit Number:	FLA010699005DW3P	Well Type: Compliance	Report Frequency: Quarterly
Facility County:	MARION		Program: Domestic
Office:	CD		
		Monitoring Period: From: 04/01/2019 To: 06/30/2019	
Was the well purged before sampling? Yes		Sample Date: 04/08/2019 Sample Time: 13:26	

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.31	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	3.67	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	310	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	38.5	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00024	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.0010	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.00061	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.15	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	4.3	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	4.55	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	07/05/2019

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

tification

certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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MM 6-29-20

Printed: April 29, 2019

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1**
Holding/Polishing Pond
WAFR# 112500****

Monitoring Period: 2nd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 4/8/19
Time Sample Obtained: 1326

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.31	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	3.67	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	310	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	38.5 Y	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.15	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	4.3 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	4.55 ‡	mg/L	Report	0.085	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00024 I ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.0010 ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.00061 I ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

Y - Analysis was performed from an improperly preserved sample. Temperature dropped below recommended range for a portion of laboratory storage. Immediately corrected upon discovery. Data does not appear to be impacted, all other QC targets met.

U - The compound was analyzed, but not detected; < laboratory method detection limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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6-29-20

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

tification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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mm 6 29-20

Printed: August 26, 2019

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1**
Holding/Polishing Pond
WAFR# 112500****

Monitoring Period: 3rd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 8/7/19
Time Sample Obtained: 1038

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.14	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.73	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	270 ‡	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	18 I ‡	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.21	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	8.5 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	3.4 ‡	mg/L	Report	0.080	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00025 I ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00033 I ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0014 I ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

** **A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MM 6-29-20

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

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Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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KTM 6-29-20

Printed: October 28, 2019

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1**
Holding/Polishing Pond
WAFR# 112500****

Monitoring Period: 4th Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 10/1/19
Time Sample Obtained: 1314

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	41.14	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.13	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	220 ‡	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	14 I ‡	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.14	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	0.80 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.7 ‡	mg/L	Report	0.18	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.0049 I ‡	mg/L	0.01	0.0028	SW846 6010	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00024 U ‡	mg/L	0.005	0.00024	SW846 6010	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0023 ‡	mg/L	0.1	0.0020	SW846 6010	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.0078 U ‡	mg/L	0.015	0.0078	SW846 6010	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

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‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MM 6-29-20

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

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PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

Certification

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Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, LLC
Address 3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
Phone Number (352) 355-2383

REPRINTED
6-29-20

Printed: January 27, 2020

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 1st Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 1/2/20
Time Sample Obtained: 1256

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.02	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	1.59	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	160 ‡	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	8.5 I ‡	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.21	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	6.0 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.4 ‡	mg/L	Report	0.18	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.0028 U ‡	mg/L	0.01	0.0028	SW846 6010	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00024 U ‡	mg/L	0.005	0.00024	SW846 6010	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0022 I ‡	mg/L	0.1	0.0020	SW846 6010	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.0078 U ‡	mg/L	0.015	0.0078	SW846 6010	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

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GROUND WATER MONITORING REPORT--Certification

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Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, LLC
Address 3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
Phone Number (352) 355-2383

REPRINTED
MM 6-19-20

Printed: May 11, 2020

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 2nd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 4/15/20
Time Sample Obtained: 1105

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	38.23	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	1.69	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	170 ǂ	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	9.8 I ǂ	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.17	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	7.6 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	1.6 ǂ	mg/L	Report	0.075	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.0080 U ǂ	mg/L	0.01	0.0080	SW846 6010	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.0010 U ǂ	mg/L	0.005	0.0010	SW846 6010	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0050 U ǂ	mg/L	0.1	0.0050	SW846 6010	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.0030 U ǂ	mg/L	0.015	0.0030	SW846 6010	Quarterly	Pump	N

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ǂ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MTH 4-29-20

FLORIDA DEPARTMENT OF Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
DEP_CD@dep.state.fl.us

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

REQUEST FOR ADDITIONAL INFORMATION

July 16, 2020

Charles DeMenzes, President
Tradewinds WWTF
PO Box 5220
Ocala, Florida 34478
utilitiesmanagementteam@gmail.com

Re: First Request for Additional Information (RAI)
Marion County – Wastewater
Facility Name: Tradewinds WWTF
Facility ID: FLA010699
DEP Application No.: FLA010699-006-DW3P/NR

Dear Mr. DeMenzes:

Thank you for your application for permit renewal submitted on July 8, 2020, for the above referenced Facility. A review of your application and supporting documentation indicates the application is incomplete. Please provide the information in the attached document and refer to this RAI in your response. The response to this RAI must be signed, sealed, and dated by a registered Florida Professional Engineer.

To continue the processing of your application, the Department must receive a response within 90 days of this letter, October 15, 2020, unless a written request for additional time to provide the requested information is submitted and approved. It is the Department's desire to provide prompt turnaround times on permit applications, and a quicker response to this RAI shortens the timeframe for which a final decision on the application can be made. Pursuant to Rule 62-4.055(1), F.A.C. and Section 120.60, F.S., failure of an applicant to provide timely requested information by the applicant deadline may result in denial of the application. You are encouraged to contact this office to discuss the items requested to assist you in developing a complete and adequate response.

Your processor, Charles LeGros can be contacted at (407) 897-4158, charles.legros@dep.state.fl.us. Please submit your response by email to DEP_CD@floridadep.gov, with a copy to charles.legros@dep.state.fl.us. If the submittal is very large, you may post it to a folder on this office's ftp site at: ftp://ftp.dep.state.fl.us/pub/incoming/Central_District/. After posting the submittal, send an e-mail to DEP_CD@floridadep.gov, with a copy to charles.legros@dep.state.fl.us, alerting us that it has been posted.

Sincerely,



Reggie Phillips
Environmental Administrator
Permitting and Waste Cleanup Program

v. 1.8

cc:
Charles LeGros, FDEP, charles.legros@dep.state.fl.us
David Smicherko, FDEP, david.smicherko@dep.state.fl.us
Carolyn Hall, FDEP, Carolyn.X.Hall@FloridaDEP.gov
Lindsey Brewer, FDEP, Lindsey.Brewer@FloridaDEP.gov
Kimberleigh Dinkins, Marion County, kimberleigh.dinkins@marioncountyfl.org

Attached: List of Requested Information
Copy of Permit Revision FLA010699-005
Copy of Administrative Order AO-SS-16-016

Attachment: List of Requested Information

Tradewinds WWTF
Facility Name: Tradewinds WWTF
Facility ID: FLA010699
DEP Application No.: FLA010699-006-DW3P/NR

1. The attached administrative order AO-SS-16-016 and permit revision FLA010699-005 notified you of the new total nitrogen (TN) effluent limit of 6.0 mg/L annual average for this facility which will be effective October 26, 2020. This limit is associated with the Silver Spring Basin Management Action Plan (BMAP). The provided data summary and the monthly discharge monitoring reports (DMRs) indicate the facility is not currently able to meet this limit (April 2020 TN annual average 41). The permit revision requires submittal of biannual status reports discussing the facility's ability or plans to meet the new TN limit. The last report was received on June 24, 2019. Submit an updated status report including an engineering evaluation signed and sealed by a Florida professional engineer. [Silver Springs BMAP and 62-620.610(1)]
2. The data summary and DMRs indicate the facility is not meeting effluent limit for total suspended solids. Review the effluent data and discuss the results. Additionally, describe corrective actions (if the corrective actions have not been completed, provide estimated completion dates). [62-610.410(2)(a) FAC]
3. The data summary did not include the annual nitrate effluent sample results. Provide these results for the last two years. If this sampling was not preformed, collect a sample now and report the results with your response to this letter. [62-610.510 and 62-600.650(3)]
4. The Operation and Maintenance Performance Report (OMPR) was signed by the operator as required by rule but did not include his license number. Provide the operator's license number. [62-600.735(6)]
5. Revise Chapter 4, item 4 of the submitted OMPR to indicate that groundwater monitoring <u>is</u> required at the facility. It currently states groundwater monitoring is not required. [62-520]
6. Application Form 1, Part II A. should be marked "yes" since the facility land applies reclaimed water. [62-620.910(1)]
7. The sprayfield capacities listed on Form 2A, Part 1, item 7 and Part 3.B, item 8 do not match the permitted capacity listed in the permit of 0.081 MGD AADF. Additionally, the application rate listed in the permit application does not match the application rate of 8.9 inches per week listed in the permit. Please revise the application to match the permit. [62-620.910(2)]
8. Revise Form 2A, Section 2, item 4 to list the class of residuals as "other" (treated offsite at FDEP biosolids treatment facility). [62-620.910(2)]
9. Revise Form 2A, Section 2, item 5 to provide the reliability class of the facility. Either indicate it meets Class III reliability or "other reliability" if the facility was constructed prior to the FDEP reliability requirements. [62-620.910(2)]

10. Revise Form 2A, Section 3A, 3B, and 4 to indicate these sections are not applicable to this facility. [62-620.910(2)]
11. Complete Form 2A, Section 6, item 3 to indicate if there have been any violations in the last six months and describe the violations and corrective actions in an attachment. [62-620.910(2)]
12. Form 2A, Section 6, item 6 indicates that the facility has not complied with all of its permit conditions. Provide a description of these issues and corrective actions. [62-620.910(2)]
13. Based on a FDEP inspection on July 8, 2020, please address the following items:
    a) The holding pond is overgrown and needs to be cleaned out. (This issue was also noted previously in Department files.)
    b) Some sprayfield heads are missing, these must be replaced and the operation of the sprayfield tested. (This issue was also noted previously in Department files.)
    c) Submit the missing May 2020 discharge monitoring report (DMR).

    [62-620.610(7)]
14. The last quarterly groundwater report was submitted for the 2nd quarter of 2019. Please explain the delays in reporting/missing quarterly submittals and submit all missing groundwater monitoring reports. [Ch. 62-600.670 F.A.C]
15. All groundwater sampling logs have the incorrect well depth typed in and the resulting purge is not to DEP standard. Please update the groundwater sampling logs to reflect correct well depth (50 feet, screened 40-50 feet) and use appropriate groundwater sampling methodology outlined in F.S. 2200 (submerged vs. not submerged well screens). Please acknowledge. [Ch. 62-520.420 F.A.C]

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

September 27, 2016

Charles DeMenzes, President
Tradewinds Utilities Inc
P O Box 5220
Ocala, Florida 34478
utilitiesmanagementteam@gmail.com

Marion County - DW
Tradewinds WWTF
File No. FLA010699-005-DW3P
Permit Revision

Dear Mr. DeMenzes:

The Department is initiating a revision to your operation permit for the above referenced facility to incorporate the requirements of the Silver Springs, Silver Springs Group, & Upper Silver River Basin Management Action Plan (Silver Springs BMAP).

1. An Administrative Order (AO) is attached to this permit revision and is incorporated into the permit for this wastewater treatment facility. The AO requires that Total Nitrogen in the reclaimed water from the wastewater facility referenced above be monitored, reported and subsequently reduced to 6.0 mg/L by October 26, 2020 since this facility is located within the Primary Protection Zone. The attached AO also requires biannual status reports discussing the facility's ability and/or plans to meet this new reclaimed water limit. The reports will be due January 1 and July 1 beginning in 2017. **Your current operating permit expires December 21, 2020**.

2. **Interim -** During the period beginning on the effective date of this revision and lasting through October 26, 2020, the permittee is authorized to direct reclaimed water to Reuse System R-001. The following interim requirements match the existing permit requirements. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.7.:

			Reclaimed Water Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Monitoring	Sample Type	Monitoring Site Number	Notes
Flow (To sprayfield)	MGD	Max Max Max	0.081 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Solids, Total Suspended	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Monthly Geometric Mean Annual Average Single Sample	Monthly	Grab	EFA-1	
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-1	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-1	
Nitrogen, Nitrate, Total (as N)	mg/L	Max	**12.0**	Annual Average	Annually	Grab	EFA-1	
Nitrogen, Total (as TN)	mg/L	Max Max	**Report** **Report**	Annual Average Monthly Average	Monthly	Grab	EFA-1	
Phosphorus, Total (as P)	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	

3. **Final -** During the period beginning on October 27, 2020 and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.7.:

			Reclaimed Water Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Monitoring	Sample Type	Monitoring Site Number	Notes
Flow (To sprayfield)	MGD	Max Max Max	0.081 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Solids, Total Suspended	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Monthly Geometric Mean Annual Average Single Sample	Monthly	Grab	EFA-1	
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-1	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-1	
Nitrogen, Nitrate, Total (as N)	mg/L	Max	**Report**	**Single Sample**	Annually	Grab	EFA-1	
Nitrogen, Total (as TN)	mg/L	Max Max	**6.0** **Report**	Annual Average Monthly Average	Monthly	Grab	EFA-1	
Phosphorus, Total (as P)	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	

**will be effective with November 2020 DMR*

4. **Staffing Requirements**

A. Interim - During the period beginning on the effective date and lasting through October 26, 2020, the wastewater facilities shall be operated under the supervision of operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class C facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 1/2 hour/day for 5 days/week and one visit each weekend. The lead/chief operator must be a Class C operator, or higher.

Final – During the time beginning October 27, 2020 and lasting through the expiration of the permit, the wastewater facilities shall be operated under the supervision of operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class C facility and, at a minimum, operators with appropriate certification must be on the site as follows:

The staffing requirement will increase to a Class C or higher operator 3 hours/day for 5 days/week and one visit on each weekend day.

B. An operator meeting the lead/chief operator class for the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(1)]*

This letter must be attached to Wastewater Permit No. FLA010699-004 and becomes a part of and subject to all conditions of that permit.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under Section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

(a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
(b) A statement of how and when each petitioner received notice of the Department action;
(c) A statement of how each petitioner's substantial interests are affected by the Department action;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
(f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573 of the Florida Statutes is not available for this proceeding.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal.

The notice of appeal must be filed within 30 days from the date when the Final Order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Jeff Prather
Director, Central District Office
3319 Maguire Boulevard Suite 232
Orlando, FL 32803-3767

JP/ccf/crl

FILING AND ACKNOWLEDGMENT

Filed, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk September 27, 2016
Date

CERTIFICATE OF SERVICE

This is to certify that this PERMIT REVISION and all copies were mailed before the close of business on September 27, 2016 to the listed persons by Magdalena Pedrosa.

Attachments: Administrative Order #AO-SS-16-016
Revised Discharge Monitoring Report

cc:
Charles LeGros, DEP, charles.legros@dep.state.fl.us
Christine Daniel, DEP, christine.daniel@dep.state.fl.us
David Smicherko, DEP, david.smicherko@dep.state.fl.us
Shabbir Rizvi, DEP, shabbir.rizvi@dep.state.fl.us
Mary Paulic, DEP, mary.paulic@dep.state.fl.us
Cindy Stafford, DEP, cindy.stafford@dep.state.fl.us
Kim Rush, DEP, kim.rush@dep.state.fl.us

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

IN THE MATTER OF:	**IN THE OFFICE OF THE CENTRAL DISTRICT**
Charles DeMenzes, President Tradewinds Utilities Inc P O Box 5220 Ocala, Florida 34478 utilitiesmanagementteam@gmail.com	**Administrative Order No.: AO-SS-16-016** **File No.:**FLA010699-005-DW3P **DEP Permit No.**: FLA010699-004

ORDER ESTABLISHING COMPLIANCE SCHEDULE UNDER SECTION 403.088(2)(f), F.S.

I. STATUTORY AUTHORITY

The Department of Environmental Protection (Department) issues this Order under the authority of Section 403.088, Florida Statutes. The Secretary of the Department has delegated this authority to the Director of District Management, who issues this Order and makes the following findings of fact.

II. FINDINGS OF FACT

1. Tradewinds Utilities Inc (the "Permittee") is a person under Section 403.031, Florida Statutes (F.S.).

2. The Permittee owns and operates a wastewater treatment facility located at 2925 NE 43rd Place, Ocala, FL 34479-8842, which discharges wastewater into ground waters of the state as defined in Section 403.031, F.S.

3. The Department has initiated a permit revision under Section 403.088(2), F. S.

4. The Permittee is required to meet the requirements of the FINAL Basin Management Action Plan for the Implementation of Total Maximum Daily Load (TMDL) adopted by the Department of Environmental Protection in the Silver Springs Basin Management Area for Silver Springs, Silver Springs Group, and Upper Silver River, October 2015, as adopted by Final Order of the Department on October 27, 2015, (the "BMAP") in accordance with Section 403.067, F.S. The applicable TMDL requires the Permittee to reduce Total Nitrogen (TN) in the reclaimed water for reuse or land application as provided for in the BMAP.

5. The Permittee shall comply with the TN reductions required by the BMAP unless the Permittee can demonstrate reasonable assurance, as specified in the BMAP, that the reuse or land application of reclaimed water will not cause or contribute to a violation of the nitrate concentration established by the applicable TMDL.

6. Sections 403.088(2)(e) and (f), F. S., authorize the Department to issue a permit for the discharge of wastes into ground waters of the state, accompanied by an Order establishing a schedule for achieving compliance with all permit conditions if the specified criteria are met.

7. The Department finds that:

   (a) The applicant needs permission to pollute the waters within the state for a period of time necessary to complete research, planning, construction, installation, or operation of an approved and acceptable pollution abatement facility or alternative waste disposal system;

   (b) There is no present, reasonable, alternative means of disposing of the waste other than by discharging it into waters of the state;

   (c) The granting of an operation permit will be in the public interest; or

   (d) The discharge will not be unreasonably destructive to the quality of the receiving waters.

III. ORDER

Based on the foregoing findings of fact,

IT IS ORDERED,

1. Until October 26, 2020, the Permittee's reclaimed water shall comply with the following interim limit(s) for TN:

Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
TN	mg/L	Max	Report	Annual Average	Monthly	Grab	EFA-1

2. On or before October 26, 2020, the Permittee shall:

   (a) Implement permanent plant changes and modifications to reduce TN in the reclaimed water to meet the TN limitations established in the BMAP and final permit limit(s);
   (b) Demonstrate reasonable assurance, as specified in the BMAP, that the reuse or land application of reclaimed water will not cause or contribute to a violation of the nitrate concentration established by the TMDL; or
   (c) Cease discharging reclaimed water by land application (for example, by connecting to a sewer system).

3. By October 26, 2020, the Permittee shall comply with the final TN permit limit(s) included in DEP Permit No. FLA010699-004.

4. If the Permittee elects to implement permanent plant changes and modifications to reduce TN in the reclaimed water to meet the TN limitations established in the BMAP, the Permittee shall apply to the Department for a permit revision to modify the facility. If the Permittee is able to demonstrate reasonable assurance, as specified in the BMAP, that the reuse or land application of reclaimed water would not cause or contribute to a violation of the nitrate concentration established by the TMDL, the Permittee shall apply to the Department for a permit revision to waive or revise, as appropriate based on the results of the demonstration, the final TN permit limit(s) based on the TN limitations established in the BMAP. Application forms are available on the Department's domestic wastewater forms webpage at http://www.dep.state.fl.us/water/wastewater/dom/dw-forms.htm.

5. The Permittee shall submit to this office reports semiannually on July 1 and January 1 starting on January 1, 2017, outlining progress toward compliance with the time frames specified in paragraphs III.2. and 3.

6. The Permittee shall maintain and operate its facilities in compliance with all other conditions of DEP Permit No. FLA010699-004.

7. This Order may be modified through the procedures established in Chapter 62-620, Florida Administrative Code.

8. Reports or other information required by this Order shall be sent to Christianne C. Ferraro, PE, Administrator, Central District, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767.

9. This Order does not operate as a permit under Section 403.088, F. S. This Order shall be incorporated by reference into DEP Permit No. FLA010699-004, which shall require compliance by the Permittee with the requirements of this Order.

10. Failure to comply with the requirements of this Order shall constitute a violation of this Order and DEP Permit No. FLA010699-004, and may subject the permittee to penalties as provided in Section 403.161, F. S.

IV. NOTICE OF RIGHTS

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within twenty-one days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within twenty-one days of publication of the notice or within twenty-one days of receipt of the written notice, whichever occurs first. Section

120.60(3), Florida Statutes, however, also allows that any person who has asked the Department in writing for notice of agency action may file a petition within twenty-one days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within twenty-one days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
(c) A statement of when and how the petitioner received notice of the Department's decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for an extension of time) is filed in accordance with the above. Upon the timely filing of a petition (or request for an extension of time), this Order will not be effective until further Order of the Department.

Any party to this Order has the right to seek judicial review of the Order under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth

Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the Final Order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Jeff Prather
Director, Central District
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767
Phone: (407) 897-4100

FILING AND ACKNOWLEDGMENT: Filed on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged by the undersigned.

CERTIFICATE OF SERVICE: The undersigned hereby certifies that this Order and all copies were mailed or transmitted electronically or by facsimile before the close of business on _ to the listed persons.

Clerk

September 27, 2016
Date

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

August 3, 2020

Charles DeMenzes, President
Tradewinds Utilities Inc.
2925 NE 43rd Pl
Ocala, Florida 34478
utilitiesmanagementteam@gmail.com

Re: Warning Letter
Tradewinds WWTF
DW FLA010699
Marion County

Dear Mr. Demenzes:

A Compliance Evaluation Inspection (CEI) was conducted at your facility on July 14, 2020. During this inspection, possible violations of Chapter 403, F.S., Chapter 62-610, Florida Administrative Code (F.A.C.), and Chapter 62-620, F.A.C. were observed.

During the inspection Department personnel noted the following:

- Failure to meet Administrative Order AO-SS-16-016 reporting requirements
- Failure to meet secondary treatment requirements for Total Suspended Solids (TSS)
- Failure to submit quarterly groundwater monitoring reports
- Failure to maintain the clay lined holding pond
- Failure to maintain the spray field

Please contact Carolyn Hall, at (407) 897-4114, within **7 days** of receipt of this Warning Letter to arrange a meeting to discuss this matter. The Department is interested in receiving any facts you may have that will assist in determining whether any violations have occurred. You may bring anyone with you to the meeting that you feel could help resolve this matter.

Please be advised that this Warning Letter is part of an agency investigation, preliminary to agency action in accordance with Section 120.57(5), Florida Statutes. We look forward to your cooperation in completing the investigation and resolving this matter.

Sincerely,

On behalf of:

Aaron Watkins, Director
Central District
Florida Department of Environmental Protection

AW/nh/ds/ch

Enclosures: Inspection Report (with attachments)

cc: Steve McGee smcgee1953@yahoo.com

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTEWATER COMPLIANCE INSPECTION REPORT

Facility Name and Physical Address	WAFR ID	County	Entry Date	Entry Time
Tradewinds WWTF 2925 NE 43rd Pl Ocala, FL 34479	FLA010699 **Facility Phone #** N/A	Marion	7/14/2020 **Exit Date** 7/14/2020	9:38 am **Exit Time** 10:21 am

LAT	29	°	13	'	53.37	"
LONG	82	°	5	'	48.28	"

Name(s) of Field Representatives(s) and Title	Operator Certification #	Email	Phone
Steve McGee	C-0008154	smcgee1953@yahoo.com	(352)598-2121

Name & Address of Permittee / Designated Rep.	Title	Email	Phone
Charles DeMenzes PO Box 5220 Ocala, FL 34478	President	utilitiesmanagementteam@gmail.com	(352) 622-4949

Inspection Type	C	E	I		Samples Taken(Y/N): N	Sample ID#: N/A	Samples Split (Y/N) : N

X **Domestic** ☐ **Industrial**

FACILITY COMPLIANCE AREAS EVALUATED

IC = In Compliance; MC = Minor Out of Compliance; NC = Out of Compliance; SC = Significant out of Compliance; NA = Not Applicable; NE = Not Evaluated
Significant Non-Compliance Criteria Should be Reviewed when Out of Compliance Ratings Are Given in Areas Marked by a "♦ "

	PERMITS/ORDERS		SELF MONITORING PROGRAM		FACILITY OPERATIONS		EFFLUENT/DISPOSAL
IC	1. ♦ Permit	IC	3. Laboratory	IC	6. Facility Site Review	SC	9. ♦ Effluent Quality
NA	2. ♦ Compliance Schedules	IC	4. Sampling	IC	7. Flow Measurement	NC	10. ♦ Effluent Disposal
		NC	5. ♦ Records & Reports	IC	8.♦ Operation & Maintenance	IC	11. Biosolids
						NC	12. ♦ Groundwater
NA	14. Other					IC	13. ♦ SSO Survey

Facility and/or Order Compliance Status:	☐ In-Compliance	☐ Out-Of -Compliance	X Significant-Out-Of-Compliance

Recommended Actions: **Warning Letter**

Name(s) and Signature(s) of Inspector(s)	District Office/Phone Number	Date
Carolyn Hall	Central District (407) 897-4114	7/15/2020

Name and Signature of Reviewer	District Office/Phone Number	Date
David Smicherko	Central District (407) 897-4169	8/3/2020

Single Event Violations (*SNC SEVs)				
Check for Yes	**Evaluation Area**	**Description**	**Finding Description**	**Finding ID**
☐	Permit	Effluent Violations - Unapproved Bypass	Wastewater was diverted from a portion of the treatment process without department approval.	**UNBY**
☐	*Permit	Permit Violations - Discharge Without a Valid Permit	The facility was operating without a permit or with an expired permit.	**UPHI**
☐	Permit	Permit Violations - Failure to Submit Timely Permit Renewal Application	The permittee failed to submit an application to renew the existing permit at least 180 days prior to expiration.	**PFSA**
☐	Laboratory	Management Practice Violations - Laboratory Not Certified	The laboratory was not certified by the Florida Department of Health and therefore is not certified to meet NELAC standards.	**LNCE**
☐	Sampling	Monitoring Violations - Analysis not Conducted	The facility failed to collect and/or analyze samples as required by permit or enforcement action.	**ANCV**
☐	Sampling	Monitoring Violations - Failure to Monitor for Toxicity Requirements	The facility failed to collect and/or analyze routine or follow-up toxicity samples.	**FTOX**
☐	Records and Reports	Management Practice Violations - Failure to Develop Adequate SPCC Plan	The facility failed to develop or maintain their Spill Prevention Control and Countermeasures (SPCC) plan.	**FSPC**
☐	Records and Reports	Management Practice Violations - Failure to Maintain Records	The facility failed to maintain records for the required retention period.	**FMRR**
☐	Records and Reports	Reporting Violations - Failure to Notify	The permittee failed to notify the department of any event or activity that requires notification as required by permit or rule.	**RSWP**
☐	Records and Reports	Reporting Violations - Failure to Submit DMRs	The permittee failed to submit any DMR required by rule, permit, or enforcement action in a timely manner.	**FDMR**
☐	Records and Reports	Reporting Violations - Failure to submit required report (non-DMR, non-pretreatment)	The facility failed to submit any report required by rule, permit, enforcement action or inspection activity except for DMRs.	**FRPT**
☐	Facility Site Review	Management Practice Violations - Improper Land Application (non-503, non-CAFO)	The land application system was not being maintained.	**LASN**
☐	Flow Measurement	Monitoring Violations - No Flow Measurement Device	The facility failed to install a flow measurement device, an approved flow measurement device, or a working flow measurement device.	**NOFL**
☐	Operation and Maintenance	Management Practice Violations - Improper Operation and Maintenance	The facility failed to follow their operation and maintenance plan/manual or their Biosolids Nutrient Management Plan.	**IONM**
☐	Operation and Maintenance	Management Practice Violations - Inflow/Infiltration (I/I)	The facility had an inflow and infiltration problem causing collection system issues and/or operational issues.	**ININ**
☐	Operation and Maintenance	Management Practice Violations - No Licensed/Certified Operator	The facility was being operated without a certified operator or by an operator that is not licensed for the size of plant.	**ONCO**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent acute toxicity has been documented through follow-up tests.	**EATX**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent chronic toxicity has been documented through follow-up tests.	**ECTX**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent acute or chronic toxicity has been documented in the effluent through the use of routine and follow-up tests.	**ETOX**
☐	Effluent Quality	Effluent Violations - Narrative Effluent Violation	The facility violated a permit or enforcement narrative effluent limit.	**XNEV**
☐	*Effluent Quality	Effluent Violations - Reported Fish Kill	The facility had a discharge of wastewater that resulted in a fish kill.	**XFSH**
☐	Sanitary Sewer Overflow Survey	WW SSO - Discharge to Waters	A sewage spill from any components of a collection/transmission system or from a treatment plant reached surface waters including stormwater conveyance system or drainage ditch.	**SSO1**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to Maintain Records or Meet Record Keeping Requirements	The facility failed to keep routine documentation and reporting records of spills, and/or operation and maintenance activities on the collection/transmission system.	**SSO2**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to monitor	The facility failed to collect and/or analyze bacteriological samples for sewage spills that reached surface waters.	**SSO3**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to report violation that may endanger public health 122.41(l)(7)	The facility failed to report a sewage spill within 24 hours of discovery.	**SSO4**
☐	Sanitary Sewer Overflow Survey	WW SSO - Improper Operation and Maintenance	The facility failed to perform routine preventative maintenance to keep the collection/transmission system in good working order.	**SSO5**
☐	Sanitary Sewer Overflow Survey	WW SSO - Overflow to Dry Land	A sewage spill from any part of a collection/transmission system or treatment plant that did not make it to surface waters, i.e., stormwater collection system, drainage ditch, stream, pond, or lake.	**SSO6**

Facility Treatment Summary:

An existing 0.081 million gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids.

Land Application R-001: An existing 0.081 MGD annual average daily flow permitted capacity slow-rate restricted public access reuse system. R-001 consists of a three-day clay-lined holding pond and a 2.34 acre sprayfield located approximately at latitude 29°13' 59" N, longitude 82°5' 45" W.

1. ♦Permit: In-Compliance

Current Permit available on-site?	Yes
Date Permit issued	December 22, 2015
Date Permit Expires	December 21, 2020
Permit Renewal Application due by	June 24, 2020
Administrative or Judicial Orders?	Administrative Order

1.1 Observation: The facility is currently under Administrative Order AO-SS-16-016**.** Please see deficiency 5.1 and observations about the AO.

1.2 Observation: At the time of inspection the permit renewal is in house.

1.3 Observation: At the time of inspection a copy of the current permit was available on site.

2. ♦Compliance Schedules: Not Applicable

Compliance Schedule in Permit met?	Not Applicable
Compliance Schedules in Order are being met?	Not Applicable

2.1 Observation: At the time of inspection there are no compliance schedules listed in permit or the administrative order.

3. Laboratory: In-Compliance

Contract Lab Name and Certification #	Aqua Pure Water & Sewer Service E83265
Facility NELAC Certification #	Not Applicable

3.1 Observation: At the time of inspection a copy of the current lab certification was on site and valid until June 30, 2021.

4. Sampling: In-Compliance

Sampling conducted during inspection?	No
Sampling observed during inspection?	No
Sampling conducted at locations identified by the permit?	Yes
Safe access to sampling locations?	Yes

4.1 Observation: At the time of inspection the operator is able to identify the correct sampling locations for EFA-1 as the chlorine contact chamber.

5. ♦Records and Reports: Out-of-Compliance

Documents/Records reviewed	Time frame
Discharge Monitoring Reports (DMRs)	From 06/01/2019 to 06/30/2020

5.1 Deficiency: The biannual Total Nitrogen status reports have not been submitted for January 1, 2020 and July 1, 2020 in accordance with the Administrative Order AO-SS-16-016.

Rule/Permit Reference**:** 403.161(1)(b), F.S. It shall be a violation of this chapter, and it shall be prohibited for any person: (b) To fail to obtain any permit required by this chapter or by rule or regulation, or to violate or fail to comply with any rule, regulation, order, permit, or certification adopted or issued by the department pursuant to its lawful authority. Administrative Order AO-SS-16-016 (1): An Administrative Order (AO) is attached to this permit revision and is incorporated into the permit for this wastewater treatment facility. The AO requires that Total Nitrogen in the reclaimed water from the wastewater facility referenced above be monitored, reported and subsequently reduced to 6.0 mg/L by October 26, 2020 since this facility is located within the Primary Protection Zone. The attached AO also requires biannual status reports discussing the facility's ability and/or plans to meet this new reclaimed water limit. The reports will be due January 1 and July 1 beginning in 2017. Your current operating permit expires December 21, 2020.

Corrective Action: Please submit the status reports on how the facility will comply with the Total Nitrogen limit set forth in AO-SS-16-016.

5.2 Observation: Historical department records indicate groundwater sampling was added to this facility because the clay lined holding pond may be percolating.

5.3 Observation: At the time of inspection the RPZ was last calibrated on September 16, 2019 and is not due yet.

5.4 Observation: At the time of inspection the operation and maintenance manual were available on site.

5.5 Observation: At the time of inspection the operator's certification for Steve McGee (C-0008154) was on site.

5.6 Observation: At the time of inspection the log book was on site. It was bound and numbered. It contained relevant sampling and maintenance.

5.7 Observation: At the time of inspection the operator is meeting and exceeding on site time requirements at 6 days a week for a half hour each day.

6. Facility Site Review: In-Compliance

6.1 Observation: *Access Control*- At the time of inspection the facility grounds for the plant were properly locked and secured by a fence. An advisory sign was posted at the gate entrance. There were no excessive odors. No spills or leaks, excessive noise, or corrosion were noted at time of inspection. An RPZ backflow was present with no visible leaks.

6.2 Observation: *Headworks*- Influent is pumped in from one of the six lift station, through a bar screen and into a surge tank. From the surge tank water is diverted through a splitter box into one of two trains (McNeil and Marlof). The bar screen is manual and cleaned at each site visit. Debris are disposed of in a covered screenings container. There are minimal odors at the time of inspection, but within the boundary of the facility.

6.3 Observation: *Aeration Basin/Blower*- The facility contains two (2) blowers, one per train. At the time of inspection both blowers were operational. Each blower was covered. The RAS was in the correct position. The McNeil side of the plant contains two aeration basins. The contents in the aeration chambers were brown in color and appeared to be adequately mixed with no excessive foaming. No excessive noise or odor was noted. The Marolf side of the plant contains a total of 10 aeration basins. The contents were brown in color and appeared to be adequately mixed. There was no excessive foaming or excessive odors.

6.4 Observation: *Clarifier*- The McNeil plant contains two clarifiers. At the time of inspection, the surface of the clarifier was very turbid. The stilling well had minor debris. The skimmer was operational in each clarifier. The weirs appeared level with no fouling and to be functioning properly. Effluent from each clarifier was turbid. There are chlorine tablets in each weir, leaving the weirs clean and free of algae at the time of inspection. The Marolf plant contains one clarifier. Effluent in this plant was also turbid. The stilling well had minor debris and the skimmer was operational. Effluent leaving the weir was slightly turbid. The weir was level and without fouling.

6.5 Observation: *Disinfection*- The effluent from each plant joins into a wet well where it then goes to the chlorine contact chamber. Sodium hypochlorite was used for disinfection on site. There was one Chem Tech 100, 30 gpd hypo pump and it was operational. There is one baffle present. The chlorine contact chamber contained cloudy effluent and did not appear to have solids during inspection. Effluent is then pumped put into the spray field by two pumps.

6.6 *Observation: Digester/ Sludge Holding Tank*- The facility contains one sludge holding basin per train. At the time of inspection there was sufficient storage available in each, no excessive odors or vectors were noticed.

6.7 *Observation: Lift Station*- The facility contains six operational lift stations throughout the community that were not evaluated at the time of inspection.

7. Flow Measurement: In-Compliance

Flow meter present and location as per permit?	Yes
Easy access to flow meter?	Yes
Date of last flow meter calibration	See Observation

7.1 Observation: At the time of inspection a copy of the current flow calibration was not directly on site. It was located in the office for the permit renewal process. Department records show the flow calibration was completed on May 20, 2020 by Florida Rural Water Association.

7.2 Observation: At the time of inspection, a review of the logbook indicates the facility has a few days of exceeded flow. The operator notes Florida Rural Water association has been brought in to address this issue. Their current percent capacity is running around 90% and should be monitored.

8. ♦Operation and Maintenance: In-Compliance

Facility being operated as per permit?	Yes

8.1 Observation: At the time of inspection the facility appears to be operating per the permit conditions.

9. ♦Effluent Quality: Significant-Out-Of-Compliance

DMRs review period	From 06/01/2019 to 06/30/2020
Any exceedances?	Yes

9.1 Deficiency: The following exceedances were noted during the DMR review period of June 1, 2019 to June 30, 2020.

Month	Monitoring Location	Parameter	Result	Limit
05/2020	EFA-1	BOD Monthly Avg	60 mg/L	30 mg/L
05/2020	EFA-1	BOD Weekly Avg	60 mg/L	45mg/L
05/2020	EFA-1	TSS Annual Avg	23.4 mg/L	20 mg/L
04/2020	EFA-1	TSS Annual Avg	23.7 mg/L	20 mg/L
03/2020	EFA-1	TSS Annual Avg	28.1 mg/L	20 mg/L

03/2020	EFA-1	TSS max	85 mg/L	60 mg/L
03/2020	EFA-1	TSS Weekly Avg	85 mg/L	45 mg/L
03/2020	EFA-1	TSS monthly Avg	85 mg/L	30 mg/L
02/2020	EFA-1	TSS Annual Avg	22 mg/L	20 mg/L
02/2020	EFA-1	TSS Monthly Avg	35 mg/L	30 mg/L
01/2020	EFA-1	TSS Monthly Avg	42 mg/L	30 mg/L
07/2019	EFA-1	TSS Annual Avg	21.8 mg/L	20 mg/L
07/2019	EFA-1	TSS Monthly Avg	48 mg/L	30 mg/L
07/2019	EFA-1	TSS Weekly Avg	48 mg/L	45 mg/L

Rule/Permit Reference: Chapter 62-610.420(b), F.A.C. Except as specifically required by other Department rules or Florida Statutes, all domestic wastewater facilities shall provide, at a minimum, secondary treatment of wastewater prior to reuse or disposal. Secondary treatment requirements are specified below:

(b) Total Suspended Solids

1. The annual average shall not exceed 20.0 mg/L,

2. The monthly average shall not exceed 30.0 mg/L,

3. The weekly average shall not exceed 45.0 mg/L; and,

4. The maximum-permissible concentration in any single sample shall not exceed 60.0 mg/L.

Corrective Action: The exceedances were reported on the DMR and marked as an exceedance. No further action is required at this time.

9.2 Observation: The following Total Nitrogen limits were observed through the DMR review period of June 1, 2019 through June 30, 2020. These levels are trending upwards and will not meet the new requirements of the AO-SS-16-016 effective October 27, 2020.

Month	Monitoring Location	Parameter	Result	New AO Limit Effective 10/27/2020
05/2020	EFA-1	Nitrogen, Total Annual Avg	30.7 mg/L	6 mg/L
04/2020	EFA-1	Nitrogen, Total Annual Avg	30.2 mg/L	6 mg/L
03/2020	EFA-1	Nitrogen, Total Annual Avg	29.2 mg/L	6 mg/L

02/2020	EFA-1	Nitrogen, Total Annual Avg	26.3 mg/L	6 mg/L
01/2020	EFA-1	Nitrogen, Total Annual Avg	22.2 mg/L	6 mg/L
12//2019	EFA-1	Nitrogen, Total Annual Avg	21.29 mg/L	6 mg/L
11/2019	EFA-1	Nitrogen, Total Annual Avg	19.95 mg/L	6 mg/L
10/2019	EFA-1	Nitrogen, Total Annual Avg	18.13 mg/L	6 mg/L
09/2019	EFA-1	Nitrogen, Total Annual Avg	17.91 mg/L	6 mg/L
08/2019	EFA-1	Nitrogen, Total Annual Avg	17.45 mg/L	6 mg/L
07/2019	EFA-1	Nitrogen, Total Annual Avg	24 mg/L	6 mg/L
06/2019	EFA-1	Nitrogen, Total Annual Avg	15.14 mg/L	6 mg/L

10. ♦**Effluent Disposal:** Out-of-Compliance

Facility discharging?	Yes
Discharge location(s) as per permit?	Yes

10.1 Deficiency: At the time of inspection the clay lined holding pond had excessive vegetation, reducing the storage capacity.

Rule/Permit Reference: Chapter 62-610.523, F.A.C.: (6) Rapid infiltration basins, percolation ponds, basins, trenches, or cells shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids

Corrective Action: Please remove the excessive vegetation and provide photos to the department by email.

10.2 Deficiency: At the time of inspection the spray field was missing several spray heads.

Rule/Permit Reference: Ch. 62-620.610(7) F.A.C. - All facilities and equipment necessary for the treatment, reuse, and disposal of domestic wastewater and biosolids shall be maintained, at a minimum, so as to function as intended. The permittee shall at all times properly operate and maintain the facility and systems of treatment and

control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit.

Corrective Action: Please repair the missing spray heads and provide photos to the department by email.

10.3 Observation: At the time of inspection the holding pond had dense aquatic vegetation in the center of the pond. Minimal water was noted in the pond.

10.4 Observation: At the time of inspection the spray field was recently on so only the perimeter was walked. It was noted at least 5 spray heads were missing and the valves to these spray head were turned off.

10.5 Observation: At the time of inspection the spray field appeared to have mostly even vegetative growth, but it was recently mowed. No ponding was observed.

11. Biosolids: In-Compliance

11.1 Observation: At the time of inspection there are copies of older hauling records (2017) on site from American Pipe and tank. The operator notes the new ones are in the office.

12. ♦Groundwater Quality: Out-of-Compliance

DMRs review period	From 06/01/2019-06/30/2020
Any exceedances?	See Observation
All monitoring wells accessible, secured & locked?	See Observation

12.1 Deficiency: The required MWC-1 ground water monitoring reports (Part D) have not been submitted to the department quarterly in accordance with the frequency in the Permit. The facility is currently missing 3rd and 4th Quarter reports for 2019 and 1st and 2nd Quarter reports for 2020.

Rule/Permit Reference: Permit Condition III.10 The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.9.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Arsenic, Total Recoverable	10	ug/L	Grab	Quarterly
Cadmium, Total Recoverable	5	ug/L	Grab	Quarterly
Chromium, Total Recoverable	100	ug/L	Grab	Quarterly
Lead, Total Recoverable	15	ug/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	s.u.	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Nitrogen, Total	Report	mg/L	Grab	Quarterly

Corrective Action: Please submit Part D ground water monitoring reports for 3rd and 4th Quarter 2019 and 1st and 2nd Quarter 2020.

13. ♦SSO Survey: In-Compliance

13.1 Observation: At the time of inspection there have been no sanitary sewer overflows from June 1, 2019 to June 30, 2020.

14. Other: Not Applicable

From: Charlie deMenzes
To: Hall, Carolyn X
Cc: Debbie Dillon
Subject: FW: DEP Response
Date: Wednesday, August 5, 2020 1:46:00 PM
Attachments: Groundwater Monitoring Reports.pdf
Sludge Haurling Record.pdf
Flow Meter Calibration.pdf

From Charles deMenzes. I called to get your email address and finally got on DEP web site to find it. I understand you will be up here on Friday for a meeting with Steve Carroll. Here are some reports you requested.

From: Debbie Dillon <debbie@alternativephone.com>
Sent: Wednesday, August 5, 2020 11:46 AM
To: Charlie deMenzes <charlie@altfo.com>
Cc: smcgee1953@yahoo.com
Subject: DEP Response

Dear Carolyn Hall,

In response to the letter you sent on Aug 3,2020 recapping the inspection you did at Tradewinds Sewer Plant on 7/14/20.

1. Enclosed is a copy of the flow meter calibration done on 5/20/20.
2. Enclosed is a hauling record from 5/14/19 to 6/23/20
3. The pond is has been sprayed and once the vegetation is dead - it will be removed and scarified for percolation. Should be completed within the next week.
4. Spray field heads - the heads that are missing, are missing on purpose. There is a low spot in the ground very close to them and water pools up there. It becomes a breeding area for bugs and mosquitos. We capped those heads to avoid said pooling. Any other heads that may have been inoperable at the time of inspection are all routinely checked, repaired or replaced and we will continue to do so.
5. Total "N" issue, we are working with our engineer and Florida Rural Water to resolve. Will diligently try to get the numbers down and will communicate with you as to our progress.
6. BMAP update - we were not aware that those updates had not been sent. We have addressed the issue with our operator and will try to be more timely going forward. Mr. McGee will get an update done within the next few weeks.

7. Ground water monitoring is being sampled quarterly and enclosed are copies of those results from 7/1/16-4/15/20. We have addressed this with our operator as well and will be more vigilant in following up to make sure all reports are submitted timely.

Thank you,

Steve Carroll, Plant Supervisor

GROUND WATER MONITORING REPORTS

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance
Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 07/01/2016 To: 09/30/2016
Sample Date: 07/07/2016 Sample Time: 17:00

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	37.41	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.62	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	174	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.33	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00024	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000073	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0027	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.39	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	12	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	0.82	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 10/01/2016 To: 12/31/2016
Sample Date: 10/05/2016 Sample Time: 14:30

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	38.05	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.68	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	185	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.25	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00019	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000035	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0017	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.33	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.9	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	.64	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 01/01/2017 To: 03/31/2017
Sample Date: 01/10/2017 Sample Time: 16:30

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	37.46	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.61	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	190	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	2.92	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00019	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000041	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0032	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.49	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	7.8	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	.82	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 04/01/2017 To: 06/30/2017
Sample Date: 05/25/2017 Sample Time: 13:54

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	36.17	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.54	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	191	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.11	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00021	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000043	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0031	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.0024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.25	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.7	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	.80	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance
Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 07/01/2017 To: 09/30/2017
Sample Date: 07/17/2017 Sample Time: 13:53

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	37.37	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.78	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	174	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	3.65	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00020	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000044	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0020	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	6.55	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	9.8	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.3	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance
Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 10/01/2017 To: 12/31/2017
Sample Date: 10/10/2017 Sample Time: 13:08

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.93	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	1.01	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	211	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	5.35	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00028	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.000083	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0028	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	6.67	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	5.2	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.2	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

AQUA PURE WATER & SEWAGE SERVICE, INC.
10865 East State Road 40 • Silver Springs, Florida 34488-2349
(352) 625-2822
FAX (352) 625-6638

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

rtification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 3-18-2018

Steve McNeil
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service; Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 01/01/2018 To: 03/31/2018
Sample Date: 01/03/2018 Sample Time: 12:02 PM

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	39.83	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	1.14	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	216	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	6.77	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00025	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.00010	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.020	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.35	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	1.4	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.44	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	03/19/2018

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 1st Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 1/3/18
Time Sample Obtained: 1210

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	39.83	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	1.14	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	216	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	6.77	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.35	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	1.4 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	1.44 ‡	mg/L	Report	0.004	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00025 ‡ I	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00010 ‡ I	mg/L	0.005	0.000028	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.020 ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)
Steve McGee / Operator	Steve McGee	352-598-2121	3/18/18

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

† - Parameter not included in current laboratory certification.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

I.- The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

AQUA PURE WATER & SEWAGE SERVICE, INC.
10865 East State Road 40 • Silver Springs, Florida 34488-2349
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10865 East State Road 40
Silver Springs, Florida 34488-2349
(352) 625-2822 FAX (352) 625-6638

ENVIRONMENTAL CHAIN OF CUSTODY

Date Received / Time Received
JAN 3 '18 PM 12:42

Client: **Tradewinds Utilities Inc.**

Submission Number: 1861

Report to: (Name and Mailing Address) [X] On file

PO Number: _____

Contact Name: **Deborah Dillon**

Contact Phone: **352-622-4949**

System Name: **Tradewinds Utilities**

System Permit Number: **FLA010699**

Sampler Name: Chris Monaco

Field Test Results (circle corresponding section letter)

Section A B C D E F pH: _____ TCR: _____ mg/L

Other: _____ Date / Initials: _____

Section A B C D E F pH: _____ TCR: _____ mg/L

er: _____ Date / Initials: _____

Section A B C D E F pH: _____ TCR: _____ mg/L

Other: _____ Date / Initials: _____

Sample Custody

Relinquished Signature: _____

Date: 1/3/18 Time: 1240 Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Laboratory Use Only

Preservative ($Na_2S_2O_3$ 30mg): Section(s) A (B) C D E F

Preservative (H_2SO_4 1.5mL): [ ] pH < 2.0 Section(s) A B C D E F

Preservative (_____): Section(s) A B C D E F

Preservative (Ice): Section(s) A B C D E F All Temp.: 3.5 °C

Received By: _____ [ ] Special

aid Check or Receipt Number and Initials: _____

Comments: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

NO3, TDS, Cl, Turbidity

Sample Number 1861 A

Other Parameters Requested: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

Fecal

Sample Number 1861 B

Other Parameters Requested: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

As, Cd, Cr, Pb

Sample Number 1861 C

Other Parameters Requested: _____

Sample Location: Dup MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

TN

Sample Number 1861 D

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number E

Other Parameters Requested: _____

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected: _____

Sample Number F

Other Parameters Requested: _____

Comments: _____

CAUTION: SAMPLE CONTAINERS MAY CONTAIN HAZARDOUS CHEMICALS.

ECOCP Revision 1

AQUA PURE WATER & SEWAGE SERVICE, INC.
10865 East State Road 40 • Silver Springs, Florida 34488-2349
(352) 625-2822
FAX (352) 625-6638

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

tification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 6/25/18

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Monitoring Period. From: 04/01/2018 To: 06/30/2018
Was the well purged before sampling? Yes Sample Date: 04/25/2018 Sample Time: 11:08 AM

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	39.53	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.80	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	185	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	4.45	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.000077	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.000064	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0023	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.17	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	6.3	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.21	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	06/25/2018

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 2nd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 4/25/18
Time Sample Obtained: 1108

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	39.53	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	0.80	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	185	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	4.45	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.17	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	6.3 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	1.21 ‡	mg/L	Report	0.080	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.000077 U ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.000064 U ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0023 ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)
Steve McGee / Operator	Steve McGee	352-598-2121	6/25/18

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]
U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.

AQUA PURE WATER & SEWAGE SERVICE, INC.
10865 East State Road 40 • Silver Springs, Florida 34488-2349
(352) 625-2822
FAX (352) 625-6638

CALIBRATION LOG

ITS Work Order Number: AP-TU-2328-042518

CLIENT: Aqua Pure Water & Sewage Service

ADDRESS: 3855 East Silver Springs Blvd., Unit #107

CITY, STATE: Ocala, Florida 34470

Site: Tradewinds Utilities

START CAL DATE @ TIME: 04/25/18 @ 0655

END CALIBRATION DATE @ TIME: 04/25/18 @ 1010

YSI 556 MULTI PARAMETER METER - S/N 05G1942 AI (ITS #2) REV 5.38

pH Sensor Per DEP-SOP-001/01 FT 1100

Standard	METER READING INITIAL	METER READING CCV	VERIFY @ START	LOT NUMBER	EXP DATE
4.005	4.03	4.03	–	CC499467	Apr-19
7.000	7.02	6.96	7.02	CC506435	Jun-19
10.012	10.02	9.98	/	CC502429	May-19

Standards are prepared by OAKTON. Liquid Temp: N/A

Temperature Sensor Per DEP-SOP-001/01 FT 1400

STANDARD (ERTCO Thermometer)		YSI METER TEMP READING LOW	YSI METER TEMP READING HIGH	LOT NUMBER	DATE PERFORMED (Quarterly)
LOW	5.20	5.22		NA	03/29/18
HIGH	29.10		29.13		03/29/18

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. Temp is in °C unless otherwise noted. YSI is checked against ERTCO once per Quarter

Dissolved Oxygen Sensor Per DEP-SOP-001/01 FT 1500

STANDARD (ppm)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
0.00	.22	.23	7GE852	May-18
fresh air @				
17:00 °C	9.63			
25.44 °C		8.11		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by on.

Conductivity Sensor Per DEP-SOP-001/01 FT 1200

STANDARD µmhos	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
8,974	NM	NM	7GD334	Apr-18
2,764	2767	2767	7GA874	Jan-18
447	NM	NM	No Stock	No Stock
84	85	87	7GA373	Jan-18

Standards prepared by Oakton. All standards are potassium chloride solutions.

ORP Sensor Per DEP-SOP-001/01 FT 2100

STANDARD (mV)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
200	NM	NM	7GH1059	May-18
400	NM	NM	7GG040	Jul-18

Standard is ORP solution +/- 5% @ 25° C, prepared by USA Blue Book

HACH POCKET COLORIMETER II S/N 06070D052733

STANDARD ID	BLANK	1	2	3
MFGR VALUE mg/L	0.00	.21	0.90	1.61
VERIFIED VALUE mg/L	0.00	0.22	0.92	1.60
CCV METER mg/L	NM	NM	NM	NM

Standard is HACH DPD Chlorine LR secondary GEL Standard, Lot A5318 Verified 02/09/15

HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 S/N 910285 Per DEP-SOP-001/01 FT 1600 (ITSNTU # 1)

STANDARD (ntu)	INITIAL METER READING	CCV METER READING	LOT NUMBER	EXPIRATION DATE
1000	NM	NM	See Below	Sep-18
100	100	99.4	See Below	Sep-18
10	10	10	See Below	Sep-18
0.02	.02	.02	See Below	Sep-18

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 60973

Remarks:

Weather Conditions: Clear Sunny 73° Breezy

Equipment Blank with D.I. water

Zephyrhills brand Lot #032518004WF2330640

Exp Date 09/30/19

Equipment Blank Data - Collected @ 1119

pH = 6.30 Cond = 3

Temp = 20.17 D.O. = 8.65

Turbidity = .20

Notes: NA - Not Applicable, NM - Not Measured, CCV - Continuing Calibration Verification Form Rev 5.38 on 11/03/17: Update for Calibration Solutions

All equipment used to obtain data at this site is owned, operated, and maintained by Ideal Tech Services Inc., unless otherwise noted. All equipment was purchased new from the manufacturers or authorized distributors. Preventative maintenance will be performed at the intervals specified by the manufacturer of each piece of equipment, or when equipment calibration results are out of tolerance. Equipment maintenance logs will be maintained by Ideal Tech Services Inc.

COPY TO: Lisa Saupp

SIGNED:

Chris Monaco or Karen LeBeau

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Tradewinds Utilities	SITE LOCATION:	Marion County, Florida
WELL NO:	MWC-1	SAMPLE ID:	See Lab Report
DATE:	4/25/18		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	.375	unk. feet to unk. feet	22.21	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (32.30 feet – 22.21 feet) X .16 gallons/foot = 1.61 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.00	23.00	1045	1059	3.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1053	2.00	2.00	.25	22.77	7.02	23.88	375	5.31	5.60	none	none
1056	.75	2.75	.25	22.77	7.09	23.84	374	5.29	7.90	none	none
1059	.75	3.50	.25	22.77	7.17	23.93	375	5.22	8.10	none	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Chris Monaco or Karen LeBeau, Ideal Tech Services, Inc.		1059	1108

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y [N]	FILTER SIZE: ___ µm
23.00	PE	Filtration Equipment Type: Glass Membrane	

FIELD DECONTAMINATION: PUMP [Y] N TUBING Y [N] (replaced) DUPLICATE: [Y] N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MWC-1	2	PE	1 Qt	4° C	None	-	NO_3, TDS, Cl, NTU	ESP	≈ 946
MWC-1	2	O (Sterile)	120 mL	$Na_2S_2O_3$	None	-	Fecal Coliform	ESP	≈ 946
MWC-1	2	PE	500 mL	HNO_3	None	<2	As, Cd, Cr, Pb	ESP	≈ 946
MWC-1	2	PE	250 mL	H_2SO_4	None	<2	TN	ESP	≈ 946

REMARKS:

DTW = 22.21 Reference Elevation = 61.74 GWTE = 39.53 This data is not NGVD compliant. Therefore, ITS does not authorize it to be used in groundwater modeling programs.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40 • Silver Springs, Florida 34488-2349

(352) 625-2822
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Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Tradewinds Utilities Inc.
Attn: Deborah Dillon
PO Box 5220
Ocala, FL 34478-5220

Submission Number: **1859**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Chris Monaco
Date Sample Received: 01/03/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
1859A	Eq. Blank	01/03/18	1140	Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.05	U	01/04/18	4:19 PM
				TDS in (10) mg/L by SM2540C	10	U	01/04/18	
				Chloride in (2.50) mg/L by EPA325.2	2.50	U	01/12/18	
				Turbidity in (0.10) NTU by SM2130B	0.40	I †	01/03/18	3:52 PM
1859B	Eq. Blank	01/03/18	1140	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/03/18	2:37 PM
1859C	Eq. Blank	01/03/18	1140	Arsenic in (0.000077) mg/L by SW 846-6020	0.000077	U ‡	01/15/18	
				Cadmium in (0.000028) mg/L by SW 846-6020	0.000028	U ‡	01/15/18	
				Chromium in (0.00011) mg/L by SW 846-6020	0.00011	U ‡	01/15/18	
				Lead in (0.00024) mg/L by SW 846-6020	0.00024	U ‡	01/15/18	
1859D	Eq. Blank	01/03/18	1140	Total Nitrogen in (0.004) mg/L by Calculation	0.279	‡	01/12/18	
				TKN in (0.050) mg/L by EPA351.2	0.26	‡	01/10/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	0.019	‡	01/11/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

Respectfully Submitted by: REPRINTED 3-14-18
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: January 24, 2018

AQUA PURE WATER & SEWAGE SERVICE, INC.
10865 East State Road 40
Silver Springs, Florida 34488-2349
(352) 625-2822 FAX (352) 625-6638

ENVIRONMENTAL CHAIN OF CUSTODY

Date Received / Time Received: JAN 3 '18 PM 12:02

Client: Tradewinds Utilities Inc.

Report to: (Name and Mailing Address) [X] On file

Submission Number: 1859

PO Number:

Contact Name: Deborah Dillon

Contact Phone: 352-622-4949

System Name: Tradewinds Utilities

System Permit Number: FLA010699

Sampler Name: Chris Monaco

Field Test Results (circle corresponding section letter)

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Section A B C D E F pH:_____ TCR:_____mg/L

er:_____ Date / Initials:_____

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Sample Custody

Relinquished Signature:

Date: 1/3/18 Time: 1240 Condition:

Relinquished Signature:

Date:_____ Time:_____ Condition:

Relinquished Signature:

Date:_____ Time:_____ Condition:

Laboratory Use Only

Preservative ($Na_2S_2O_3$ 30mg): Section(s) A (B) C D E F

Preservative (H_2SO_4 1.5mL): [ ] pH < 2.0 Section(s) A B C D E F

Preservative (_____): Section(s) A B C D E F

Preservative (Ice): Section(s) A B C D E F All Temp.: 1.3 °C

Received By: [ ] Special

aid Check or Receipt Number and Initials:

Comments:

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

NO3, TDS, Cl, Turbidity

Sample Number: 1859 A

Other Parameters Requested:

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

Fecal

Sample Number: 1859 B

Other Parameters Requested:

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

As, Cd, Cr, Pb

Sample Number: 1859 C

Other Parameters Requested:

Sample Location: Eq. Blank [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1140

TN

Sample Number: 1859 D

Other Parameters Requested:

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected:

Sample Number: E

Other Parameters Requested:

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected:

Sample Number: F

Other Parameters Requested:

Comments:

CAUTION: SAMPLE CONTAINERS MAY CONTAIN HAZARDOUS CHEMICALS.

AQUA PURE WATER & SEWAGE SERVICE, INC.

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Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Tradewinds Utilities Inc.
Attn: Deborah Dillon
PO Box 5220
Ocala, FL 34478-5220

Submission Number: **1860**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Chris Monaco
Date Sample Received: 01/03/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
1860A	MWC-1	01/03/18	1210	Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	1.14		01/04/18	4:19 PM
				TDS in (10) mg/L by SM2540C	216		01/04/18	
				Chloride in (2.50) mg/L by EPA325.2	6.77		01/12/18	
				Turbidity in (0.10) NTU by SM2130B	1.4	†	01/03/18	3:52 PM
1860B	MWC-1	01/03/18	1210	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/03/18	2:37 PM
1860C	MWC-1	01/03/18	1210	Arsenic in (0.000077) mg/L by SW 846-6020	0.00025	I ‡	01/15/18	
				Cadmium in (0.000028) mg/L by SW 846-6020	0.00010	I ‡	01/15/18	
				Chromium in (0.00011) mg/L by SW 846-6020	0.020	‡	01/15/18	
				Lead in (0.00024) mg/L by SW 846-6020	0.00024	U ‡	01/15/18	
1860D	MWC-1	01/03/18	1210	Total Nitrogen in (0.004) mg/L by Calculation	1.44	‡	01/12/18	
				TKN in (0.050) mg/L by EPA351.2	0.24	‡	01/10/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	1.2	‡	01/11/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
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Respectfully Submitted by: REPRINTED 3-14-18
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: January 24, 2018

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40
Silver Springs, Florida 34488-2349
(352) 625-2822 FAX (352) 625-6638

ENVIRONMENTAL CHAIN OF CUSTODY

Date Received / Time Received: JAN 3 '18 PM 12:42

Client: Tradewinds Utilities Inc.

Submission Number: 1860

Report to: (Name and Mailing Address) [X] On file

PO Number:

Contact Name: Deborah Dillon

Contact Phone: 352-622-4949

System Name: Tradewinds Utilities

System Permit Number: FLA010699

Sampler Name: Chris Monaco

Field Test Results (circle corresponding section letter)

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Section A B C D E F pH:_____ TCR:_____mg/L

Other:_____ Date / Initials:_____

Sample Custody

Relinquished Signature:

Date: 1/3/18 Time: 1240 Condition:

Relinquished Signature:

Date:_____ Time:_____ Condition:_____

Relinquished Signature:

Date:_____ Time:_____ Condition:_____

Laboratory Use Only

Preservative ($Na_2S_2O_3$ 30mg): Section(s) A (B) C D E F

Preservative (H_2SO_4 1.5mL): [ ] pH < 2.0 Section(s) A B C D E F

Preservative (_____): Section(s) A B C D E F

Preservative (Ice): Section(s) A B C D E F (All) Temp.: 2.4 °C

Received By: [ ] Special

Paid Check or Receipt Number and Initials:

Comments:

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

NO3, TDS, Cl, Turbidity

Sample Number: 1860 A

Other Parameters Requested:

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

Fecal

Sample Number: 1860 B

Other Parameters Requested:

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

As, Cd, Cr, Pb

Sample Number: 1860 C

Other Parameters Requested:

Sample Location: MWC-1 [ ] Composite [X] Grab

Date(s) / Time(s) Collected: 1/3/18 1210

TN

Sample Number: 1860 D

Other Parameters Requested:

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected:

Sample Number: E

Other Parameters Requested:

Sample Location: [ ] Composite [ ] Grab

Date(s) / Time(s) Collected:

Sample Number: F

Other Parameters Requested:

Comments:

CAUTION: SAMPLE CONTAINERS MAY CONTAIN HAZARDOUS CHEMICALS.

ECOCP Revision 1

AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40 • Silver Springs, Florida 34488-2349

(352) 625-2822
FAX (352) 625-6638

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Tradewinds Utilities Inc.
Attn: Deborah Dillon
PO Box 5220
Ocala, FL 34478-5220

Submission Number: **1861**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Chris Monaco
Date Sample Received: 01/03/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
1861A	Dup MWC-1	01/03/18	1210	Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	1.14		01/04/18	4:19 PM
				TDS in (10) mg/L by SM2540C	218		01/04/18	
				Chloride in (2.50) mg/L by EPA325.2	6.76		01/12/18	
				Turbidity in (0.10) NTU by SM2130B	1.6	†	01/03/18	3:52 PM
1861B	Dup MWC-1	01/03/18	1210	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/03/18	2:37 PM
1861C	Dup MWC-1	01/03/18	1210	Arsenic in (0.000077) mg/L by SW 846-6020	0.00025	I ‡	01/15/18	
				Cadmium in (0.000028) mg/L by SW 846-6020	0.00010	I ‡	01/15/18	
				Chromium in (0.00011) mg/L by SW 846-6020	0.0020	I ‡	01/15/18	
				Lead in (0.00024) mg/L by SW 846-6020	0.00024	U ‡	01/15/18	
1861D	Dup MWC-1	01/03/18	1210	Total Nitrogen in (0.004) mg/L by Calculation	1.81	‡	01/12/18	
				TKN in (0.050) mg/L by EPA351.2	0.71	‡	01/10/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	1.1	‡	01/11/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
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† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

REPRINTED mm 3-14-18

Respectfully Submitted by: _____
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: January 24, 2018

GROUND WATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 04/01/2018 To: 06/30/2018
Sample Date: 04/25/2018 Sample Time: 11:08 AM

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	39.53	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	.80	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	185	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	4.45	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.000077	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.000064	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0023	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.17	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	6.3	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	1.21	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	06/25/2018

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 07/01/2018 To: 09/30/2018
Sample Date: 08/06/2018 Sample Time: 08:26 AM

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	41.43	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	2.35	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	248	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	18.6	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00025	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.00037	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0015	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.19	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.7	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	2.1	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	12/04/2018

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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GROUND WATER MONITORING WELL REPORT - PART D

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County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1** Holding/Polishing Pond WAFR# 112500****

Monitoring Period: 3rd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 8/6/18
Time Sample Obtained: 0826

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	41.43	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.35	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	248	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	18.6	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.19	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	3.7 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.1 ‡	mg/L	Report	0.05	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00025 I ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00037 I ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0015 I ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Monitoring Period: From: 10/01/2018 To: 12/31/2018
Sample Date: 10/10/2018 Sample Time: 09:05 AM

Was the well purged before sampling? Yes

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.92	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	2.51	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	293	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	29	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.00023	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.00096	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.0010	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	6.97	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	3.1	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	2.3	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	12/04/2018

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

ertification

certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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Printed: November 8, 2018

GROUND WATER MONITORING WELL REPORT - PART D

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County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1**
Holding/Polishing Pond
WAFR# 112500****

Monitoring Period: 4th Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 10/10/18
Time Sample Obtained: 0905

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.92	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.51	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	293	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	29 ‡	mg/L	250	1.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	6.97	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	3.1 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.3 ‡	mg/L	Report	0.05	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00023 I ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00096 ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0010 I ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 01/01/2019 To: 03/31/2019
Sample Date: 03/07/2019 Sample Time: 09:56 AM

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.87	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	3.17	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	290	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	31.9	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	.00030	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	.00070	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	.0014	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.17	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	4.0	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	3.3	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	05/10/2019

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

rtification

ertify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date:

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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Printed: April 2, 2019

GROUND WATER MONITORING WELL REPORT - PART D

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County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 1st Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 3/7/19
Time Sample Obtained: 0956

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.87	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	3.17	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	290	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	31.9	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.17	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	4.0 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	3.3 ǂ	mg/L	Report	0.4	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00030 I ǂ	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00070 ǂ	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0014 I ǂ	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ǂ	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

ǂ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699005DW3P
Facility County: MARION
Office: CD

Monitoring Well ID: MWC-1 Compliance well @ holding/polishing pond site
Well Type: Compliance Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling? Yes

Monitoring Period: From: 04/01/2019 To: 06/30/2019
Sample Date: 04/08/2019 Sample Time: 13:26

Parameter	PARAM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545	40.31	Report (Maximum)	ft	In Situ	1 Quarterly	0.01	Calc	Well Sounder	N
Nitrogen, Nitrate, Total (as N)	00620	3.67	10.0 (Maximum)	mg/L	Grab	1 Quarterly	0.05	EPA353.2	Pump	N
Solids, Total Dissolved (TDS)	70295	310	500.0 (Maximum)	mg/L	Grab	1 Quarterly	10	SM2540C	Pump	N
Chloride (as Cl)	00940	38.5	250.0 (Maximum)	mg/L	Grab	1 Quarterly	2.5	EPA325.2	Pump	N
Arsenic, Total Recoverable	00978	0.00024	10.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000077	SW846 6020	Pump	N
Cadmium, Total Recoverable	01113	0.0010	5.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000028	SW846 6020	Pump	N
Chromium, Total Recoverable	01118	0.00061	100.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000038	SW846 6020	Pump	N
Lead, Total Recoverable	01114	0.00024	15.0 (Maximum)	ug/L	Grab	1 Quarterly	0.000024	SW846 6020	Pump	N
Coliform, Fecal	74055	1	4.0 (Maximum)	#/100mL	Grab	1 Quarterly	1	SM9222D	Pump	N
pH	00400	7.15	6.5-8.5 (Range)	s.u.	Grab	1 Quarterly	Field	Field	Pump	N
Turbidity	00070	4.3	Report (Maximum)	NTU	Grab	1 Quarterly	0.10	SM2130B	Pump	N
Nitrogen, Total	00600	4.55	Report (Maximum)	mg/L	Grab	1 Quarterly	0.004	Calc	Pump	N

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	SUBMITTED ON
Steven Edgar McGee	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	Electronically Signed	(352) 553-7353	07/05/2019

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

rtification

certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date:

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

REPRINTED
MM 6-29-20

Printed: April 29, 2019

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 2nd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 4/8/19
Time Sample Obtained: 1326

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.31	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	3.67	mg/L	10	0.05	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	310	mg/L	500	10	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	38.5 Y	mg/L	250	2.50	EPA325.2	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.15	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	4.3 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	4.55 ‡	mg/L	Report	0.085	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00024 I ‡	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.0010 ‡	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.00061 I ‡	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ‡	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

**** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

Y - Analysis was performed from an improperly preserved sample. Temperature dropped below recommended range for a portion of laboratory storage. Immediately corrected upon discovery. Data does not appear to be impacted, all other QC targets met.

U - The compound was analyzed, but not detected; < laboratory method detection limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MM 6-29-20

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address _____
City, State _____ Zip _____
Telephone Number _____
(2) The GMS Permit Identification Number _____
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name _____
Address _____
City, State _____ Zip _____
Telephone Number _____
(5) Type of Discharge _____
(6) Method of Discharge _____

rtification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____ _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

REPRINTED
MH 6-29-20

Printed: August 26, 2019

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 3rd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 8/7/19
Time Sample Obtained: 1038

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.14	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.73	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	270 ǂ	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	18 I ǂ	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.21	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	8.5 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	3.4 ǂ	mg/L	Report	0.080	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.00025 I ǂ	mg/L	0.01	0.000077	SW846 6020	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00033 I ǂ	mg/L	0.005	0.000064	SW846 6020	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0014 I ǂ	mg/L	0.1	0.00011	SW846 6020	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.00024 U ǂ	mg/L	0.015	0.00024	SW846 6020	Quarterly	Pump	N

** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

ǂ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MMA 6-29-20

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

rtification

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Date:

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, Inc.
Address 10865 East SR 40 Silver Springs, FL 34488-2349
Phone Number (352) 625-2822

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MM 6-29-20

Printed: October 28, 2019

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 4th Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 10/1/19
Time Sample Obtained: 1314

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	41.14	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	2.13	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	220 ‡	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	14 I ‡	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.14	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	0.80 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.7 ‡	mg/L	Report	0.18	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.0049 I ‡	mg/L	0.01	0.0028	SW846 6010	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00024 U ‡	mg/L	0.005	0.00024	SW846 6010	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0023 ‡	mg/L	0.1	0.0020	SW846 6010	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.0078 U ‡	mg/L	0.015	0.0078	SW846 6010	Quarterly	Pump	N

** A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]
U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
† - Parameter not included in current laboratory certification.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MW 6-29-20

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

This page does not constitute a portion of the NELAC report

PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date:

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, LLC
Address 3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
Phone Number (352) 355-2383

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MTH 6-29-20

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 1st Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 1/2/20
Time Sample Obtained: 1256

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	40.02	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	1.59	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	160 ‡	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	8.5 I ‡	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.21	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	6.0 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	2.4 ‡	mg/L	Report	0.18	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.0028 U ‡	mg/L	0.01	0.0028	SW846 6010	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.00024 U ‡	mg/L	0.005	0.00024	SW846 6010	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0022 I ‡	mg/L	0.1	0.0020	SW846 6010	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.0078 U ‡	mg/L	0.015	0.0078	SW846 6010	Quarterly	Pump	N

** **A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

REPRINTED
MM 6-29-20

GROUND WATER MONITORING REPORT--Certification

Rule 62-522.600(11)

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PART I GENERAL INFORMATION

(1) Facility Name Tradewinds Utilities WWTF - Marion County
Address
City, State Zip
Telephone Number
(2) The GMS Permit Identification Number
(3) DEP Permit Number FLA010699
(4) Authorized Representative Name
Address
City, State Zip
Telephone Number
(5) Type of Discharge
(6) Method of Discharge

rtification

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Date:

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Ideal Tech Services, Inc. / Chris Monaco
Analytical Lab FDOH Certification # E83265
Subcontract FDOH Certification # E82574 E84589 E82001 E82535
Lab Name Aqua Pure Water & Sewage Service, LLC
Address 3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
Phone Number (352) 355-2383

REPRINTED
MM 6-29-20

Printed: May 11, 2020

GROUND WATER MONITORING WELL REPORT - PART D

This page does not constitute a portion of the NELAC report

County: **Marion**
Facility Name: **Tradewinds Utilities WWTF**
Permit Number: **FLA010699**

Monitoring Well ID: MWC-1**
Well Type: Compliance
Description: **Well Name MW-1****
Holding/Polishing Pond
WAFR# 112500**

Monitoring Period: 2nd Qtr
Was the well purged before sampling? Yes

Date Sample Obtained: 4/15/20
Time Sample Obtained: 1105

Parameter	Permit Builder PARM Code	Sample Measurement (Analysis Results)	Units	Compliance Limit	Detection Limits	Analysis Method	Monitoring Frequency	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to Feet, NGVD	82545	38.23	Feet	Report	± 0.01	Calculated	Quarterly	Well Sounder	N/A
Nitrate (as N)	00620	1.69	mg/L	10	0.10	EPA353.2 *	Quarterly	Pump	N
Solids, Total Dissolved (TDS)	70295	170 ‡	mg/L	500	2.5	SM2540C	Quarterly	Pump	N
Chloride (as Cl)	00940	9.8 I ‡	mg/L	250	5.0	EPA300.0	Quarterly	Pump	N
Coliform, Fecal	74055	1 U	#/100mL	4	1	SM9222D	Quarterly	Pump	N
pH, Field	00400	7.17	SU	6.5-8.5	Field	Field	Quarterly	Pump	N
Turbidity, Lab - Nepholometric	82079	7.6 †	NTU	Report	0.10	SM2130B	Quarterly	Pump	N
Nitrogen, Total (as N)	00600	1.6 ‡	mg/L	Report	0.075	Calculation	Quarterly	Pump	N
Arsenic, Total Recoverable	00978	0.0080 U ‡	mg/L	0.01	0.0080	SW846 6010	Quarterly	Pump	N
Cadmium, Total Recoverable	01113	0.0010 U ‡	mg/L	0.005	0.0010	SW846 6010	Quarterly	Pump	N
Chromium, Total Recoverable	01118	0.0050 U ‡	mg/L	0.1	0.0050	SW846 6010	Quarterly	Pump	N
Lead, Total Recoverable	01114	0.0030 U ‡	mg/L	0.015	0.0030	SW846 6010	Quarterly	Pump	N

** **A new compliance well MWC-1 (WAFR#) has been approved to be installed at the holding/polishing pond site.**

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION: * - Calc [(NO3+NO2)-NO2]

U - The compound was analyzed, but not detected; < laboratory method detection limit.

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

† - Parameter not included in current laboratory certification.

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

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MM 6-29-20

Gmail

Miles Anderson <miles.anderson@mca-engineers.com>

Tradewinds Utilities Report

1 message

Cindy Notaro <office@americanpipeandtankinc.com> Thu, Jul 2, 2020 at 5:16 PM
To: Miles Anderson <miles.anderson@mca-engineers.com>
Cc: Zach Conomos <zach@americanpipeandtankinc.com>, George Conomos <george@americanpipeandtankinc.com>

Miles,

Below is the Report you are looking for.

AMERICAN PIPE & TANK, INC

Order Entry Invoice Detail Report

Customers TRADE UT to TRADE UT

All invoices

Inv. #	Customer ID	Name/Invoice Description	Invoice Information
73500	TRADE UT	TRADEWINDS UTILITIES	Inv date: 5/14/16
		7100 G	Ord Date: 5/13/16 Order #: 100112
73678	TRADE UT	TRADEWINDS UTILITIES	Inv date: 7/9/16
		7100 G	Ord Date: 7/8/16 Order #: 101505
73807	TRADE UT	TRADEWINDS UTILITIES	Inv date: 10/13/16
		14200 G	Ord Date: 10/12/16 Order #: 103951
74005	TRADE UT	TRADEWINDS UTILITIES	Inv date: 12/16/16

104401 7100 G Ord Date: 12/15//16 Order #:

74625 TRADE UT TRADEWINDS UTILITIES Inv date: 3/17/17

105150 7100 G Ord Date: 3/16/17 Order #:

75903 TRADE UT TRADEWINDS UTILITIES Inv date: 7/22/17

110021 14200 G Ord Date: 7/21/17 Order #:

76639 TRADE UT TRADEWINDS UTILITIES Inv date: 11/21/17

110955 7100 G Ord Date: 11/20/17 Order #:

77112 TRADE UT TRADEWINDS UTILITIES Inv date: 2/16/18

107672 7100 G Ord Date: 2/15/18 Order #:

78528 TRADE UT TRADEWINDS UTILITIES Inv date: 6/9/18

115105 14200 G Ord Date: 6/8/18 Order #:

79208 TRADE UT TRADEWINDS UTILITIES Inv date: 12/13/18

122500 14200 G Order date: 12/12/18 Order #:

79900 TRADE UT TRADEWINDS UTILITIES Inv date: 4/13/19

130525 14200 G Order date: 4/12/19 Order #:

80411 TRADE UT TRADEWINDS UTILITIES Inv date: 7/20/19

100025 7100 G Order date: 7/19/19 Order #:

80853 TRADE UT TRADEWINDS UTILITIES Inv date: 10/23/19

103103 7100 G Order date: 10/22/19 Order #:

81555 TRADE UT TRADEWINDS UTILITIES Inv date: 1/13/20

14200 G Order date: 1/10/20 Order #:

100126

81901 TRADE UT TRADEWINDS UTILITIES Inv date: 4/10/20

7100 G Order date: 4/9/20 Order #:

102005

82441 TRADE UT TRADEWINDS UTILITIES Inv date: 6/23/20

7100 G Order date: 6/22/20 Order #:

115350

Have a great weekend!

Cindy Notaro

Office Manager

American Pipe & Tank Inc

418 Cypress Road

Ocala, FL 34472

Office: 352-687-4281

FLORIDA RURAL WATER ASSOCIATION
2970 Wellington Circle
Tallahassee, FL 32309
1-800-872-8207

WEIR OR FLUME CALIBRATION
Flow Values Obtained by Using a Weir

FACILITY NAME: Trade Wind Utilities
FACILITY LOCATION: 2925 NE 43rd Place

ID: FLA010699
Anthony, Fla. Marion County

PRIMARY DEVICE

V-NOTCH WEIR	PARSHALL FLUME	RECTANGULAR WEIR
DEGREE OF V-NOTCH	WIDTH OF THROAT (IN)	CREST LENGTH (FT)
60	N/A	N/A

Gauge setting comparison using staff gauge: X Satisfactory ☐Unsatisfactory

Physical inspection of primary device approach, device and discharge: X Satisfactory ☐Unsatisfactory

SECONDARY DEVICE

TYPE: Isco Ultrasonic Flow Meter
MAKE/MODEL/SERIAL: Unknown
DATE OF LAST CALIBRATION: 3-15-2018

	LOW FLOW	MODERATE FLOW	HIGH FLOW
STAFF GAGE READING (ft)	0	.15	.38
ACTUAL FLOW (gpm)	0	5.51	56.25
TOTALIZER OR RECORDER READING(gpm)	0	5.40 ✓	55.23 ✓
PERCENT DIFFERENCE (%)	0	2%	2%

Physical Inspection of Secondary Device: X Satisfactory ☐Unsatisfactory
Totalizer Accuracy Check Using Stopwatch: ☐Satisfactory ☐Unsatisfactory

COMMENTS: _____

I hereby certify that the above test was performed in accordance with the best available technology.

TECHNICIAN SIGNATURE: DATE: 5-20-2020
Timothy Plymel FRWA 1-800-872-8207

TOTALIZER
Avg 259pm

From: Hess, Nathan
To: Smicherko, David
Cc: Hall, Carolyn X
Subject: RE: Tradewinds FLA010699 PRM & Penalties for Approval
Date: Thursday, August 13, 2020 8:10:18 AM
Attachments: image001.jpg

Thank you, please proceed.

From: Smicherko, David
Sent: Thursday, August 13, 2020 7:31 AM
To: Hess, Nathan <Nathan.Hess@FloridaDEP.gov>
Cc: Hall, Carolyn X <Carolyn.X.Hall@FloridaDEP.gov>
Subject: FW: Tradewinds FLA010699 PRM & Penalties for Approval

Nathan,
This is the PRM for Tradewinds WWTF, for TSS exceedances, missed reporting and failure to maintain reuse area.
Thanks
Dave

From: Hall, Carolyn X <Carolyn.X.Hall@FloridaDEP.gov>
Sent: Tuesday, August 11, 2020 2:51 PM
To: Smicherko, David <David.Smicherko@FloridaDEP.gov>
Subject: Tradewinds FLA010699 PRM & Penalties for Approval

Dave,

PRM for Tradewinds WWTF , FLA010699.

- Not meeting AO requirements
- Excessive Effluent Exceedances generating SNC for group 1 pollutants
- No where close to meeting TN limits of AO affective Octer 27,2020

WL issued 8/3/20 , enforcement meeting Thursday 8/13/20 10 am

file://floridadep/data/CD/all_common/Sites/Marion/WW/Tradewinds_DW_FLA010699/Enforcement%202020/200811_TradewindsWWTD_FLA010699_PRM.docx
file://floridadep/data/CD/all_common/Sites/Marion/WW/Tradewinds_DW_FLA010699/Enforcement%202020/200811_Tradewinds_FLA010699_PenaltyCalc.xlsx

for Reference : file://floridadep/data/CD/all_common/Sites/Marion/WW/Tradewinds_DW_FLA010699/Compliance/CEI_200714

FL-DEP-LOGO
Carolyn Hall
Environmental Specialist II
Florida Department of Environmental Protection
Central District – Orlando
Carolyn.X.Hall@FloridaDEP.gov
Office: 407-897-4114

Instructions

When you are ready to add another violation to the list, simply place the cursor in the cell in the very next empty row in the Program column, and select a program from the drop-down list to start. Move across the row making selections as appropriate. Some cells auto-fill.

For ELRA calculation	For Matrix calculation
The Violation Type drop-down list is based on the Program selected.	The Matrix Penalty Amount should be entered based on the Matrix Range.
The ELRA Penalty Schedule and Number of Violations at Base Penalty fields are related (their values are multiplied together in the row total) and the Additional Adjusted Multi-Day Penalty Amount and Multi-Day Factor for Adjusted Penalty Amount fields are related (their values are multiplied together in the row total).	The Matrix Penalty and Number of Violations at Base Penalty fields are related (their values are multiplied together in the row total) and the Additional Adjusted Multi-Day Penalty Amount and Multi-Day Factor for Adjusted Penalty Amount fields are
If you change the Program in a row that is already filled out, you will need to also update the Violation Type.	If you update the Environmental Harm or Extent of Deviation fields, you may need to update the Matrix Penalty amount.

Program	Guidance
ERP:	https://floridadep.gov/ogc/ogc/documents/erp-penalty-guidelines
PW:	https://floridadep.gov/ogc/ogc/documents/drinking-water-guidelines
ST:	https://floridadep.gov/ogc/ogc/documents/guidelines-characterizing-npdes-stormwater-violations
WW:	https://floridadep.gov/ogc/ogc/documents/guidelines-characterizing-wastewater-violations
UIC:	https://floridadep.gov/ogc/ogc/documents/uic-manual

Penalty Calculation Worksheet

Facility ID:	FLA010699	Violator's Name:	Charles DeMenez
Date of Initial Computation:	8/11/2020		
Name of Department Staff Responsible for Penalty Computations:	Carolyn Hall		

◉ This calculation uses the ELRA penalty schedule for purposes of settlement (via a consent order).

○ This calculation is in support of an administrative penalty action (via an ELRA Notice of Violation).

Part I - Penalty Determinations

Program	Violation Type	Violation Description	ELRA Citation	ELRA Penalty Schedule	Number of Violations Assessed at Base Penalty	Additional Adjusted Multi-Day Penalty Amount	Multi-Day Factor for Adjusted Penalty Amount	Total
WW	Failure to prepare, submit, maintain, or use required reports or other required documentation.	Failure to submit AO updates, failure to submit GW monitoring reports for two quarters	403.121(4)(f)	$750.00	1			**$750.00**
WW	Failure to comply with any other departmental regulatory statute or rule requirement not otherwise identified in this section.	Failure to maintain effluent quality, TSS.	403.121(5)	$1,000.00	1			**$1,000.00**
WW	Failure to comply with any other departmental regulatory statute or rule requirement not otherwise identified in this section.	Failure to maintain spray field and holding pond.	403.121(5)	$1,000.00	1			**$1,000.00**

Part II - Adjustments

Adjustment	Justification	Dollar Amount
Good faith/Lack of good faith prior to discovery		
Good faith/Lack of good faith after discovery	A 25% reduction was granted for the facility contacting FRWA to help with known issues prior to the enforcement meeting.	-$750.00
History of Non-compliance		
Ability to pay		
Other Unique Factors		

Economic Benefit

Item	Delayed or Avoided or Direct	Description	Dollar Amount
economic benefit was considered but deemed not applicable in the calculation of penalties.			

Penalty Calculation Worksheet

Economic Benefit = (Avoided Costs)(1-Corporate Tax Rate) + (Delayed Costs)(IRS Interest Rate)

IRS Interest Rate =5% (Based on 2018 Interest Rate for Underpayments.) & Corporate Tax Rate = 21%

Penalty Calculation Worksheet

☐ Penalty is $50,000 or more and Secretary approval is required

☐ Penalty is greater than $10,000 and Deputy Secretary approval is required.

☐ Penalty is $10,000 or less with an economic benefit adjustment for which Deputy Secretary approval is required.

☐ Cap penalties at $10,000 for settlement purposes under ELRA?

Department Costs and Expenses:

Minimum enforcement case range: $100 to $500

Average enforcement case range: $500 to $1000

Complex enforcement case range: $1000 to $5000

$250.00

Penalty with Department Costs and Expenses: $2,250.00

Part III - Other Adjustments Made After Meeting with the Responsible Party

	Adjustment Description	Dollar Amount
Relative merits of the case:		
Resource considerations:		
Other justification:		

Final Penalty with Adjustments: $2,250.00

Penalty Calculation Worksheet

Facility ID:		Violator's Name:	
Date of Initial Computation:			
Name of Department Staff Responsible for Penalty Computations:			

☐ This calculation is for purposes of settlement, and the ELRA penalty schedule calculation exceeds $10,000.

Part I - Penalty Determinations

Program	Settlement Guidelines	Violation Description	Environmental Harm	Extent of Deviation	Matrix Range	Matrix Penalty	Number of Violations Assessed at Base Penalty	Additional Adjusted Multi-Day Penalty Amount	Multi-Day Factor for Adjusted Penalty Amount	Total

Part II - Adjustments

Adjustment	Justification	Dollar Amount
Good faith/Lack of good faith prior to discovery		
Good faith/Lack of good faith after discovery		
History of Non-compliance		
Ability to pay		
Other Unique Factors		

Economic Benefit

Item	Delayed or Avoided or Direct	Description	Dollar Amount

Economic Benefit = (Avoided Costs)(1-Corporate Tax Rate) + (Delayed Costs)(IRS Interest Rate)

IRS Interest Rate =5% (Based on 2018 Interest Rate for Underpayments.) & Corporate Tax Rate = 21%

Penalty Calculation Worksheet

☐ Penalty is $50,000 or more and Secretary approval is required.

☐ Penalty is greater than $10,000 and Deputy Secretary approval is required.

☐ Penalty is $10,000 or less with an economic benefit adjustment for which Deputy Secretary approval is required.

Department Costs and Expenses:

Minimum enforcement case range: $100 to $500

Average enforcement case range: $500 to $1000

Complex enforcement case range: $1000 to $5000

Penalty with Department Costs and Expenses: **$0.00**

Part III - Other Adjustments Made After Meeting with the Responsible Party

	Adjustment Description	**Dollar Amount**
Relative merits of the case:		
Resource considerations:		
Other justification:		

Final Penalty with Adjustments: **$0.00**

Penalty Calculation Worksheet

Assistant Director of District Management

Date

Director of District Management
Division Director

Date

Peer reviewed by Division: ○ Yes ○ No

Deputy Secretary (if required by guidelines)

Date

Memorandum

Florida Department of Environmental Protection

To: Aaron Watkins, District Director
Central District

Through: Nathan Hess, Assistant District Director
Central District

From: David Smicherko, Environmental Manager
Carolyn Hall, CAP Inspector

Date: 9/24/2020

Subject: Peer Review Request for Tradewinds WWTF in Ocala, FL

The Central District Compliance Assurance Program is requesting a peer review for the following case.

Division/Program: Compliance Assistance Program

Facility/Site ID No. FLA010699

Facility/Site Name: Tradewinds

Facility Owner: Charles DeMenez

Facility Address/Location: 2025 NE 43rd Place, Ocala, in Marion County, FL

Brief Description of Facility/Site:

An existing 0.081-million-gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids. R-001 consists of a three-day clay-lined holding pond and a 2.34 acre sprayfield.

Violation(s) Summary:

A compliance evaluation inspection was conducted on July 14, 2020. A file review of the facility records was also conducted as part of the inspection for the time from of June 1, 2019 to June 30 2020. During this inspection and facility review the following violations were found:

1. The biannual Total Nitrogen status reports have not been submitted for January 1, 2020 and July 1, 2020 in accordance with the Administrative Order AO-SS-16-016.

2. The facility had chronic TSS exceedances ranging from July 2019 and January 2020 through May 2020.

3. The clay lined holding pond had excessive vegetation, reducing the storage capacity.

4. The sprayfield was missing several spray heads.

5. The required MWC-1 ground water monitoring reports (Part D) for Quarter 1 and Quarter 2 of 2020 have not been submitted to the department in accordance with the frequency in the Permit.

Violation(s) Classification:

1. Chapter 403.161(1)(b), F.S. It shall be a violation of this chapter, and it shall be prohibited for any person: (b) To fail to obtain any permit required by this chapter or by rule or regulation, or to violate or fail to comply with any rule, regulation, order, permit, or certification adopted or issued by the department pursuant to its lawful authority.
   Administrative Order AO-SS-16-016 (1): An Administrative Order (AO) is attached to this permit revision and is incorporated into the permit for this wastewater treatment facility. The AO requires that Total Nitrogen in the reclaimed water from the wastewater facility referenced above be monitored, reported and subsequently reduced to 6.0 mg/L by October 26, 2020 since this facility is located within the Primary Protection Zone. The attached AO also requires biannual status reports discussing the facility's ability and/or plans to meet this new reclaimed water limit. The reports will be due January 1 and July 1 beginning in 2017. Your current operating permit expires December 21, 2020.

2. Chapter 62-610.420(b), F.A.C. Except as specifically required by other Department rules or Florida Statutes, all domestic wastewater facilities shall provide, at a minimum, secondary treatment of wastewater prior to reuse or disposal. Secondary treatment requirements are specified below:

   (b) Total Suspended Solids
   1. The annual average shall not exceed 20.0 mg/L,
   2. The monthly average shall not exceed 30.0 mg/L,
   3. The weekly average shall not exceed 45.0 mg/L; and,
   4. The maximum-permissible concentration in any single sample shall not exceed 60.0 mg/L.

3. Chapter 62-610.414(8), F.A.C. Provisions for the control of algae shall be included in the design, operation, and maintenance and shall be described in the engineering report. Pond design shall also address the control of mosquito breeding habitat. Minimum pond depths (excluding freeboard but including the design operating range) of six feet, with inside bank side slopes steeper than 3:1 (horizontal to vertical), but no steeper than 1:1, are required to discourage growth of rooted aquatic weeds. Maintenance of a minimum pond water depth of 18 inches is required. Routine aquatic weed control and regular maintenance of pond embankments and access areas are required. The use of other depth criteria for mosquito control shall be justified in the engineering report.

4. Chapter 62-620.610(7) F.A.C. - All facilities and equipment necessary for the treatment, reuse, and disposal of domestic wastewater and biosolids shall be maintained, at a minimum, so as to function as intended. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit.

5. Chapter 62-620.610(18)(a) Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 C.F.R. 136, as appropriate.
(a) Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.

Proposed Enforcement & Penalty Calculation In lieu of Compliance Assistance:

The District has calculated a civil penalty and Department costs for this case in accordance with the attached penalty calculation work sheet.

The District proposes to resolve the case by issuance of a Long Form Consent Order to obtain the required corrective actions and assess a penalty.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Petitioner,

vs.

JODI LOVETT, Individually,
PATRICK GERALD SCAHILL, Individually, and
APEX AUTO SALVAGE & RECYCLING, L.L.C.,

Respondents.
_____/

IN THE OFFICE OF THE
NORTHEAST DISTRICT

OGC CASE NO. 11-0817

91 7108 2133 3936 4226 5375

FINAL ORDER

BY THE DEPARTMENT:

On July 20, 2012, the Department of Environmental Protection ("Department") issued a Notice of Violation, Orders for Corrective Action, and Administrative Penalty Assessment ("Notice") to Respondent Patrick Gerald Scahill ("Respondent Scahill"), pursuant to the authority of Section 403.121(2), Florida Statutes. A copy of the Notice is attached and incorporated herein as Exhibit A. Respondent Scahill received the Notice on August 22, 2012. A copy of proof of delivery is attached and incorporated herein as Exhibit B.

The Notice informed Respondent Scahill that unless a request for hearing was filed with the Department within 20 days of receipt, the Orders for Corrective Action contained therein would become final. No responsive pleading or request for hearing

has been made by Respondent Scahill. Therefore, pursuant to Section 403.121(2)(c), Florida Statutes, the Findings of Fact and Conclusions of Law contained in the Notice are deemed admitted and have become binding and final. The Orders for Corrective Action have likewise become final and effective, pursuant to Section 403.121(2)(c), Florida Statutes.

Specifically, the Orders for Corrective Action (see Exhibit A) contain the following directions to Respondent Scahill:

1. Respondents[1] shall forthwith comply with all Department rules regarding solid waste, hazardous substances, and used oil management. Respondents shall correct and redress all violations in the time periods required below and shall comply with all applicable rules in Fla. Admin. Code Rule 62 710.210(2) (adopting 40 C.F.R. Part 279), Fla. Admin. Code Chapter 62-710, and Fla. Admin. Code Chapter 62-780.

2. **Commencing immediately and henceforth**, Respondent Apex and Respondent Lovett shall cease discharging used oil to ground surfaces. Furthermore, Respondents shall take all required and appropriate steps to stop, contain, abate, and immediately clean up all releases at the Facility, including but not limited to, releases of used oil. All assessments and cleanup shall be performed in accordance with Fla. Admin. Code Chapter 62-780. Two copies of all submittals pertaining to assessment

[1] The term "Respondents", as defined in the Notice, collectively refers to Respondent Jodi Lovett, Respondent Patrick Gerald Scahill, and Apex Auto Salvage & Recycling, L.L.C.

and cleanup should be addressed to the Department's Northeast District Hazardous Waste Section at 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

3. Respondents shall conduct site assessment and rehabilitation in accordance with Fla. Admin. Code Chapter 62-780 and the timeframes therein. Respondents shall complete a Site Assessment and submit a Site Assessment Report in accordance with Fla. Admin. Code Rule 62-780.600 for the Facility **by January 11, 2013.** Two copies of all submittals pertaining to assessment and cleanup should be addressed to the Department's Northeast District Hazardous Waste Section at 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

4. Respondents shall continue assessment and remedial activities as required by Fla. Admin. Code Chapter 62-780 until site rehabilitation in accordance with Fla. Admin. Code Chapter 62-780 is achieved and they receive a Site Rehabilitation Completion Order from the Department.

5. **Within 30 days of the effective date of this Order**, Respondents shall:

a. Prepare and implement a complete and accurate Stormwater Pollution Prevention Plan ("SWPPP") as required by Sector M and Sector N of the MSGP [*see* 60 Federal Register 51184-51197 (September 29, 1995) (incorporated by reference in Fla. Admin. Code Rule 62-621.300(5)(a))] and discussed in the Sector M and Sector N Fact Sheet [*see* 60 Federal Register 51145-51170 (Sept. 29, 1995)(incorporated by reference in Fla. Admin. Code Rule 62-621.300(5)(a))].

b. Submit a complete and accurate copy of the SWPPP to the Department.

c. Submit a complete and accurate Notice of Intent to Use Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity (DEP Form 62-621.300(5)(b)) and the $500.00 processing fee required in Fla. Admin. Code Rule 62-4.050(4)(d)(2) to the following address: Florida Department of Environmental Protection; NPDES Stormwater Notices Center, Mail Station 2510; 2600 Blair Stone Road; Tallahassee, Florida, 32399-2400.

6. **Within 90 days of the effective date of this Order**, Respondent Apex and Respondent Lovett shall, jointly and severally, pay $10,000.00 to the Department for the administrative penalties imposed above in Counts I through VII and Respondent Scahill shall pay $500.00 to the Department for the administrative penalties imposed above in Count VII. Payments shall be made by cashier's check or money order payable to the "State of Florida Department of Environmental Protection" and shall include thereon the notations "OGC Case No. 11-0817" and "Ecosystem Management and Restoration Trust Fund." The payments shall be sent to the State of Florida Department of Environmental Protection, Northeast District, 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

7. In addition to the administrative penalties, **within 90 days of the effective date of this Order**, Respondents shall, jointly and severally, pay $29,711.87 to the Department for costs and expenses. Payment shall be made by cashier's check or

money order payable to the "State of Florida Department of Environmental Protection" and shall include thereon the notations "OGC Case No. 11-0817" and "Ecosystem Management and Restoration Trust Fund." The payment shall be sent to the State of Florida Department of Environmental Protection, Northeast District, 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

Having considered the Notice of Violation, Orders for Corrective Action, and Administrative Penalty Assessment and Respondent Scahill's failure to timely file a responsive pleading to request a hearing, it is, therefore,

ORDERED by the State of Florida Department of Environmental Protection that the foregoing Orders for Corrective Action are hereby approved and adopted in to as the Final Order of the Department in regards to Respondent Scahill in the above-styled matter.

Respondent Scahill shall comply with the Orders for Corrective Action within the time frames specified above, all of which commence on the effective date of this Final Order. The effective date of this Final Order is the date on which it is filed with the designated Department clerk (see below).

Any party to this Final Order has the right to seek judicial review of the Final Order pursuant to Section 120.68, Florida Statutes, by filing a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Agency Clerk of the Department, Office of General Counsel, 3900 Commonwealth Blvd., MS-35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal with the appropriate

District Court of Appeal. The Notice of Appeal must be filed within 30 days of the effective date of this Final Order.

DONE AND ORDERED this 20th day of September, 2012, in Duval County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Gregory J. Strong
District Director
Northeast District

Filed, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Linda Parker
Clerk

9/20/12
Date

Copies furnished to:

Lea Crandall, Agency Clerk
Mail Station 35

Alisha Simpson, Northeast District

EXHIBIT A

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION,

Petitioner,

v.

JODI LOVETT, Individually,
PATRICK GERALD SCAHILL, Individually, and
APEX AUTO SALVAGE & RECYCLING, L.L.C.,

Respondents.
_____/

IN THE OFFICE OF THE NORTHEAST DISTRICT

OGC File No. 11-0817

NOTICE OF VIOLATION, ORDERS FOR CORRECTIVE ACTION, AND ADMINISTRATIVE PENALTY ASSESSMENT

Certified Receipt Return No.:
91-7108-2133-3936-4226-4934

To: Jodi Lovett, Individually
43200 Smitty Road
Callahan, Florida 32011

Certified Receipt Return No.:
91-7108-2133-3936-4226-4927

To: Patrick Gerald Scahill
850560 US Highway 17
Yulee, FL 32097

Certified Receipt Return No.:
91-7108-2133-3936-4226-4910

To: Apex Auto Salvage & Recycling L.L.C.
c/o Ms. Jodi Lovett, Registered Agent
43200 Smitty Road
Callahan, Florida 32011

Pursuant to the authority of Section 403.121(2), Florida Statutes ("Fla. Stat."), the State of Florida Department of Environmental Protection ("Department") gives notice to Jodi Lovett, Patrick Gerald Scahill, and Apex Auto Salvage & Recycling L.L.C. (collectively referred to as "Respondents") of the following findings of fact and conclusions of law with respect to violations of Chapters 376 and 403, Fla. Stat., and Chapter 62-710, Florida Administrative Code ("Fla. Admin. Code").

FINDINGS OF FACT APPLICABLE TO ALL COUNTS

1. The Department is the administrative agency of the state of Florida having the power and duty to protect Florida's air and water resources and to administer and enforce the provisions of Chapters 376 and 403, Fla. Stat., and the rules promulgated thereunder in Fla. Admin. Code Title 62. To ensure consistency between the state and federal used oil programs, the text of relevant provisions of 40 Code of Federal Regulations ("C.F.R.") Part 279, has been adopted by reference in Chapter 62-710, Fla. Admin. Code.

2. Respondent Apex Auto Salvage & Recycling L.L.C., ("Respondent Apex") is an active Florida limited liability company, organized under the laws of the state of Florida on or about October 25, 2007. Respondent Apex operates an automobile salvage yard, which removes vehicle parts, drains automotive fluids including used oil and antifreeze, and crushes vehicles, on five parcels of real property located at 14160 Gossett Road, Jacksonville, Duval County, Florida 32218 and identified as Duval County Real Estate Parcel numbers 107877-0000, 107878-0010, 107878-0012, 107878-0750, and 107879-0000 (collectively referred to as "Facility").

3. Respondent Jodi Lovett ("Respondent Lovett") is an individual who manages and operates Respondent Apex and is responsible for overseeing the Facility's daily operations, including waste disposal and environmental compliance issues.

4. Respondent Patrick Gerald Scahill ("Respondent Scahill") is an individual who has owned the real property which comprises the Facility at all times pertinent to this action.

5. The Respondents have not obtained a solid waste disposal permit, authorization, or exemption from the Department for the Facility.

6. On or before February 20, 2008; July 16, 2008; December 6 and 7, 2010; and March 2, 2011, used oil was discharged, dumped, leaked, or spilled onto the soil and concrete pads near the automotive fluid draining area, vehicle processing area, and car crusher at the Facility.

7. On February 20, 2008; July 16, 2008; December 6 and 7, 2010; and March 2, 2011, used oil containers at the Facility were not clearly labeled with the words "used oil," were not double-walled, and did not have secondary containment. Facility personnel stated these containers held used oil.

8. On December 6, 2010, there was approximately 15 cubic yards of solid waste in an excavated pit at the Facility and an additional 30 cubic yards of construction and demolition debris in several piles on the ground at two other locations at the Facility. The solid waste was composed of household waste, food packaging, plastic containers, newspaper, pieces of wood, electronics, construction and demolition debris, and other

miscellaneous debris. The Department requested that all solid waste be removed and properly disposed of at a permitted Class I Landfill.

9. On December 7, 2010, the solid waste had been removed from the excavated pit and loaded into a small trailer. To date, the Department has not received confirmation that the solid waste was properly disposed of at a permitted Class I Landfill.

10. On December 10, 2010, automotive fluids, oil residue, and solid waste were on the ground at various locations at the Facility. In addition, containers of automotive fluids and used oil were open, on the ground, and exposed to stormwater runoff.

11. On February 3 and 21, 2011, the Department issued Warning Letters #NPDES-SW-16-00650 and #WL10-2634HWSNY16NED, respectively, to Respondent Apex and Respondent Lovett, which collectively notified them of the used oil, solid waste, and stormwater violations found at the Facility on December 6, 7, and 10, 2010.

12. On or about January 20, 2012, analysis of soil samples taken at the Facility revealed that the soil at the Facility is contaminated with 1-Methylphenanthrene, TRPH, and Arsenic in concentrations that exceed the Department's Soil Cleanup Target Levels in Fla. Admin. Code Chapter 62-777 and that may continue to leach into the groundwater at concentrations that exceed their corresponding groundwater quality standard. Specifically, the following contaminants in the following concentrations were found in the soil at the Facility: (1) 1-Methylphenanthrene in a concentration of 380 mg/kg; (2) Total Recoverable Petroleum Hydrocarbons ("TRPH") in concentrations of 370 to 5,700 mg/kg; and (3) Arsenic in concentrations of 2.41 to 3.38 mg/kg.

13. On or about January 20, 2012, analysis of groundwater samples taken at the Facility revealed that the groundwater at the Facility is contaminated with Benzene in a concentration of 15 micrograms per liter which exceeds the Department's Groundwater Cleanup Target Level in Fla. Admin. Code Chapter 62-777.

14. The Department notified the Respondents of the soil and groundwater contamination referenced in Paragraphs 12 and 13 above on April 12, 2012.

15. The purpose of Fla. Admin. Code Chapter 62-780 is to prevent adverse effects on human health, public safety, and the environment that may be caused by contaminants that have been released or discharged into the environment.

COUNT I

16. On or before February 20, 2008; July 16, 2008; December 6 and 7, 2010; and March 2, 2011, Respondent Apex's and Respondent Lovett's acts and processes discharged, dumped, leaked, or spilled used oil onto the soil and concrete pads near the automotive fluid draining area, vehicle processing area, and car crusher at the Facility.

COUNT II

17. On or before December 6 and 7, 2010, and March 2, 2011, Respondent Apex's and Respondent Lovett's acts and processes discharged, dumped, leaked, or spilled used oil onto the soil and concrete pads near the automotive fluid draining area, vehicle processing area, and car crusher at the Facility.

18. Respondents have not removed and properly disposed of the contaminated materials and soils, checked and repaired near-by equipment for leaks, or performed

assessment and remediation actions and, therefore, have not completely stopped, contained, or cleaned up the released used oil.

COUNT III

19. On February 20, 2008; July 16, 2008; December 6 and 7, 2010; and March 2, 2011, Respondent Apex and Respondent Lovett did not clearly label several used oil containers at the Facility with the words "used oil."

COUNT IV

20. On February 20, 2008; July 16, 2008; December 6 and 7, 2010; and March 2, 2011, Respondent Apex and Respondent Lovett had several used oil containers at the Facility that were not double-walled, did not have secondary containment, and were not stored on an oil-impermeable surface.

COUNT V

21. On December 6, 2010, Respondent Apex and Respondent Lovett stored, processed, or disposed of solid waste, including construction and demolition debris in excess of 20 cubic yards, in an excavated pit and on the ground at the Facility.

22. Respondent Apex and Respondent Lovett did not have a permit or other authorization from the Department to store, treat, transfer, or dispose of solid waste at the Facility.

COUNT VI

23. Since on or before December 10, 2010, automotive fluids, oil residue, and solid waste were on the ground and exposed to stormwater runoff at the Facility. In

addition, containers of automotive fluids and used oil were open, on the ground, and exposed to stormwater runoff.

24. Since on or before December 10, 2010, Respondent Apex and Respondent Lovett operated and maintained the Facility without a Multi-Sector Generic Permit for stormwater discharges associated with an industrial activity ("MSGP").

25. Respondent Apex and Respondent Lovett are maintaining a source of water pollution at the Facility without an appropriate and currently valid permit issued by the Department.

COUNT VII

26. Respondent Scahill is the current owner of the Facility containing hazardous substances, including 1-Methylphenanthrene, TRPH, Arsenic, and Benzene.

27. Respondents Apex and Lovett are the current or former operators of the Facility containing hazardous substances, including 1-Methylphenanthrene, TRPH, Arsenic, and Benzene.

COUNT VIII

28. The Department has incurred expenses to date while investigating this matter in the amount of not less than $29,711.87.

CONCLUSIONS OF LAW

The Department has evaluated the Findings of Fact with regard to the requirements of Chapters 376 and 403, Fla. Stat., and Fla. Admin. Code Title 62. Based on the foregoing facts, the Department has made the following conclusions of law:

29. Respondents are each a "person" as defined in Sections 376.301(28), 403.031(5), 403.703(22), 403.727(4), and 403.75(3), Fla. Stat., and Fla. Admin. Code Rule 62-701.200(83).

30. Respondent Apex and Respondent Lovett control, store, or dispose of "solid waste" at the Facility as defined by Section 403.703(32), Fla. Stat., and Fla. Admin. Code Rule 62-701.200(107). Specifically, the solid waste included, but was not limited to, "used oil" as defined by Fla. Admin. Code Rule 62-701.200(122); "waste tires" as defined by Fla. Admin. Code Rule 62-701.200(126); "construction and demolition debris" as defined by Section 403.703(6), Fla. Stat., and Fla. Admin. Code Rule 62-701.200(24); and "Class I waste" as defined by Fla. Admin. Code Rule 62-701.200(13).

31. Used oil is a "pollutant" as defined by Section 376.301(36), Fla. Stat.

32. 1-Methylphenanthrene, TRPH, Arsenic, and Benzene are "hazardous substance[s]" as defined in Section 403.703(12), Fla. Stat.

33. Respondent Apex and Respondent Lovett are "generator[s]" of used oil as defined by Fla. Admin. Code Rule 62-710.210(2) (adopting 40 C.F.R. Part 279.1).

34. Respondents are each a "Person Responsible for Site Rehabilitation" as defined by Fla. Admin. Code Rule 62-780.200(32).

35. The Department is imposing an administrative penalty of less than or equal to $10,000.00 in this Notice of Violation as calculated in accordance with Section 403.121, Fla. Stat.

36. The facts in Count I constitute a violation of Fla. Admin. Code Rule 62-710.401(2), which prohibits a person from discharging used oil into soils. The facts also

constitute a violation of Section 403.708(1)(a), Fla. Stat, which prohibits the placement or disposal of solid waste in or on the land except in a manner approved by the Department. Finally, the facts constitute a violation of Section 403.161(1)(b), Fla. Stat., which makes it a violation to fail to comply with Department rules.

37. The violation in Count I requires the assessment of administrative penalties under Section 403.121(3)(e), Fla. Stat., of $2,000.00 for the unauthorized disposal of solid waste.

38. The facts in Count II constitute a violation of Fla. Admin. Code Rule 62-710.210(2) (adopting 40 C.F.R. Part 279.22(d)), which requires a generator to stop, contain, and immediately clean up releases of used oil. Next, the facts constitute a violation of Section 376.305(1), Fla. Stat., which requires any person discharging a pollutant to immediately contain, remove, and abate the discharge to the satisfaction of the Department. Lastly, the facts constitute a violation of Section 403.161(1)(b), Fla. Stat., which makes it a violation to fail to comply with Department rules.

39. The violation in Count II requires the assessment of administrative penalties under Section 403.121(5), Fla. Stat., of $500.00 for failure to comply with departmental regulatory statute or rule requirement.

40. The facts in Count III constitute a violation of Fla. Admin. Code Rule 62-710.210(2) (adopting 40 C.F.R. Part 279.22(c)) and Fla. Admin. Code Rule 62-710.401(6), which require a generator to store used oil in containers that are clearly marked or labeled with the words "Used Oil." The facts also constitute a violation of

Section 403.161(1)(b), Fla. Stat., which makes it a violation to fail to comply with Department rules.

41. The violation in Count III requires the assessment of an administrative penalty under Section 403.121(5), Fla. Stat., of $500.00 for failure to comply with departmental regulatory statute or rule requirement.

42. The facts in Count IV constitute a violation of Fla. Admin. Code Rule 62-710.401(6), which prohibits the storage of used oil in tanks or containers unless they are double-walled or stored on an oil-impermeable surface and in secondary containment which has a capacity of 110% of the volume of the largest container or tank in the containment structure. The facts also constitute a violation of Section 403.161(1)(b), Fla. Stat., which makes it a violation to fail to comply with Department rules.

43. The violation in Count IV requires the assessment of an administrative penalty under Section 403.121(4)(b), Fla. Stat., of $4,000.00 for failure to install, maintain, or use a required pollution control system or device.

44. The facts in Count V constitute a violation of Fla. Admin. Code Rule 62-701.300(1)(a), which prohibits the storage, processing, or disposal of solid waste except as authorized at a permitted solid waste management facility or a facility exempt from permitting under this chapter. The facts also constitute a violation of Section 403.708(1)(a), Fla. Stat., which prohibits the placement or disposal of solid waste in or on the land except in a manner approved by the Department. Finally, the facts constitute a violation of Section 403.161(1)(b), Fla. Stat., which makes it a violation to fail to comply with Department rules.

45. The violation in Count V requires the assessment of an administrative penalty of $2,000.00 under Section 403.121(3)(e), Fla. Stat., plus an additional $1,000.00 because the waste was Class I waste, for a total administrative penalty of $3,000.00

46. The facts in Count VI constitute a violation of Section 403.087(1), Fla. Stat., which prohibits a stationary installation that is reasonably expected to be a source of water pollution from being operated, maintained, constructed, expanded, or modified without an appropriate and currently valid permit issued by the Department. The facts also constitute a violation of Section 403.161(1)(b), Fla. Stat., which makes it a violation to fail to comply with Department rules.

47. The violation in Count VI requires the assessment of administrative penalties under Section 403.121(5), Fla. Stat., of $500.00 for failure to comply with Department regulatory statutes.

48. The facts in Count VII constitute a violation of Section 403.727(4), Fla. Stat., which makes it a violation to release or threaten to release a hazardous substance. The facts also constitute a violation of Section 403.161(1)(b), Fla. Stat., which makes it a violation to fail to comply with Department regulatory statutes.

49. The violation in Count VII requires the assessment of an administrative penalty under Section 403.121(5), Fla. Stat., of $500.00 for failure to comply with Departmental regulatory statutes.

50. The administrative penalties assessed for Counts I through VII are $11,000.00, but the Department agrees to cap the penalties at $10,000.00 for purposes of this proceeding.

51. The costs and expenses related in Count VIII are reasonable costs and expenses incurred by the Department while investigating this matter, which are recoverable pursuant to Section 403.141(1), Fla. Stat.

ORDERS FOR CORRECTIVE ACTION

The Department has alleged that the activities related in the Findings of Fact constitute violations of Florida law. The Orders for Corrective Action state what you, Respondents, must do in order to correct and redress the violations alleged in this Notice.

The Department will adopt the Orders for Corrective Action as part of its Final Order in this case unless Respondents either file a timely request for a formal hearing or informal proceeding, pursuant to Section 403.121(2)(c), Fla. Stat., or file written notice with the Department opting out of this administrative process, pursuant to 403.121(2)(c), Fla. Stat. (See *Notice of Rights*). If Respondents fail to comply with the corrective actions ordered by the Final Order, the Department is authorized to file suit seeking judicial enforcement of the Department's Order pursuant to Sections 120.69, 403.121, and 403.131, Fla. Stat.

Pursuant to the authority of Sections 403.061(8) and 403.121, Fla. Stat., the Department proposes to adopt in its Final Order in this case the following specific corrective actions that will redress the alleged violations:

52. Respondents shall forthwith comply with all Department rules regarding solid waste, hazardous substances, and used oil management. Respondents shall correct and redress all violations in the time periods required below and shall comply with all

applicable rules in Fla. Admin. Code Rule 62-710.210(2) (adopting 40 C.F.R. Part 279), Fla. Admin. Code Chapter 62-710, and Fla. Admin. Code Chapter 62-780.

53. **Commencing immediately and henceforth**, Respondent Apex and Respondent Lovett shall cease discharging used oil to ground surfaces. Furthermore, Respondents shall take all required and appropriate steps to stop, contain, abate, and immediately clean up all releases at the Facility, including but not limited to, releases of used oil. All assessments and cleanup shall be performed in accordance with Fla. Admin. Code Chapter 62-780. Two copies of all submittals pertaining to assessment and cleanup should be addressed to the Department's Northeast District Hazardous Waste Section at 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

54. **Commencing immediately and henceforth**, Respondent Apex and Respondent Lovett shall label all containers and tanks used for storing used oil with the words "Used Oil."

55. **Within 30 days of the effective date of this Order**, Respondent Apex and Respondent Lovett shall use only double-walled containers for used oil at the Facility or install secondary containment for all used oil containers at the Facility and place all used oil containers on an oil-impermeable surface.

56. **Within 30 days of the effective date of this Order**, Respondent Apex and Respondent Lovett shall remove all solid waste at the Facility and properly dispose of it at a permitted Class I Landfill. In addition, Respondent Apex and Respondent Lovett shall provide the Department's Northeast District Office solid waste staff with disposal receipts **within 45 days of the effective date of this Order**. The submittal should be

addressed to the Department's Northeast District Solid Waste Section at 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

57. Respondents shall conduct site assessment and rehabilitation in accordance with Fla. Admin. Code Chapter 62-780 and the timeframes therein. Respondents shall complete a Site Assessment and submit a Site Assessment Report in accordance with Fla. Admin. Code Rule 62-780.600 for the Facility **by January 11, 2013.** Two copies of all submittals pertaining to assessment and cleanup should be addressed to the Department's Northeast District Hazardous Waste Section at 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

58. Respondents shall continue assessment and remedial activities as required by Fla. Admin. Code Chapter 62-780 until site rehabilitation in accordance with Fla. Admin. Code Chapter 62-780 is achieved and they receive a Site Rehabilitation Completion Order from the Department.

59. **Within 30 days of the effective date of this Order,** Respondents shall:

a. Prepare and implement a complete and accurate Stormwater Pollution Prevention Plan ("SWPPP") as required by Sector M and Sector N of the MSGP [*see* 60 Federal Register 51184-51197 (September 29, 1995) (incorporated by reference in Fla. Admin. Code Rule 62-621.300(5)(a))] and discussed in the Sector M and Sector N Fact Sheet [*see* 60 Federal Register 51145-51170 (Sept. 29, 1995)(incorporated by reference in Fla. Admin. Code Rule 62-621.300(5)(a))].

b. Submit a complete and accurate copy of the SWPPP to the Department.

c. Submit a complete and accurate Notice of Intent to Use Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity (DEP Form 62-621.300(5)(b)) and the $500.00 processing fee required in Fla. Admin. Code Rule 62-4.050(4)(d)(2) to the following address: Florida Department of Environmental Protection; NPDES Stormwater Notices Center, Mail Station 2510; 2600 Blair Stone Road; Tallahassee, Florida, 32399-2400.

60. **Within 90 days of the effective date of this Order,** Respondent Apex and Respondent Lovett shall, jointly and severally, pay $10,000.00 to the Department for the administrative penalties imposed above in Counts I through VII and Respondent Scahill shall pay $500.00 to the Department for the administrative penalties imposed above in Count VII. Payments shall be made by cashier's check or money order payable to the "State of Florida Department of Environmental Protection" and shall include thereon the notations "OGC Case No. 11-0817" and "Ecosystem Management and Restoration Trust Fund." The payments shall be sent to the State of Florida Department of Environmental Protection, Northeast District, 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

61. In addition to the administrative penalties, **within 90 days of the effective date of this Order,** Respondents shall, jointly and severally, pay $29,711.87 to the Department for costs and expenses. Payment shall be made by cashier's check or money order payable to the "State of Florida Department of Environmental Protection" and shall include thereon the notations "OGC Case No. 11-0817" and "Ecosystem Management and Restoration Trust Fund." The payment shall be sent to the State of Florida

Department of Environmental Protection, Northeast District, 7777 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256.

NOTICE OF RIGHTS

Respondents' rights to negotiate, litigate or transfer this action are set forth below.

Right to Negotiate

62. This matter may be resolved if the Department and Respondents enter into a Consent Order, in accordance with Section 120.57(4), Fla. Stat., upon such terms and conditions as may be mutually agreeable.

Right to Request a Hearing

63. Respondents have the right to a formal administrative hearing pursuant to Sections 120.569, 120.57(1), and 403.121(2), Fla. Stat., if Respondents dispute issues of material fact raised by this Notice of Violation, Orders for Corrective Action, and Administrative Penalty Assessment ("Notice"). At a formal hearing, Respondents will have the opportunity to be represented by counsel or other qualified representative, to present evidence and argument on all issues involved, and to conduct cross-examination and submit rebuttal evidence.

64. Respondents have the right to an informal administrative proceeding pursuant to Sections 120.569 and 120.57(2), Fla. Stat., if Respondents do not dispute issues of material fact raised by this Notice. If an informal proceeding is held, Respondents will have the opportunity to be represented by counsel or other qualified representative, to present to the agency written or oral evidence in opposition to the Department's

proposed action, or to present a written statement challenging the grounds upon which the Department is justifying its proposed action.

65. If Respondents desire a formal hearing or an informal proceeding, Respondents must file a written responsive pleading entitled "Request for Administrative Proceeding" within 20 days of receipt of this Notice. The request must be in the form required by Fla. Admin. Code Rule 28-106.2015 and include the following:

(a) The Department's Notice identification number and the county in which the subject matter or activity is located;

(b) The name, address, and telephone number, and facsimile number (if any) of each respondent;

(c) The name, address, telephone number, and facsimile number of the attorney or qualified representative of respondent, if any, upon whom service of pleadings and other papers shall be made;

(d) A statement of when respondent received the Notice; and

(e) A statement requesting an administrative hearing identifying those material facts that are in dispute. If there are none, the request for hearing must so indicate.

A request for hearing is filed when it is <u>received</u> by the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida, 32399-3000.

Right to Mediation

66. If Respondents timely file a request for hearing challenging the Notice, the Respondents have the right to mediate the issues raised in the Notice. If requested, a mediator will be appointed to assist the Department and Respondents reach a resolution

of some or all of the issues. The mediator is chosen from a list of mediators provided by the FCRC Consensus Center ("FCRC"). The FCRC will provide up to eight hours of free mediation services to the Respondents. A mediator cannot require the parties to settle the case. If mediation is unsuccessful, both parties retain their full rights to litigate the issues before an administrative law judge. The Respondents must select the mediator and notify the FCRC within 15 days of receipt of the list of mediators. The mediation process does not interrupt the time frames of the administrative proceedings and the mediation must be completed at least 15 days before the date of the final hearing.

67. The written request to appoint a mediator must be made within 10 days after receipt of the Initial Order from the administrative law judge appointed to hear the case. The request must be received by the FCRC Consensus Center, Attn. Chris Pedersen, 2035 East Paul Dirac Drive, Room 236, Tallahassee, Florida, 32310, (850) 644-6320, cpedersen@fsu.edu. Once the request is timely received, the FCRC will provide the parties with a list of mediators and the necessary information.

Right to Opt Out of the Administrative Proceeding

68. If Respondents do not wish to contest the issues before an administrative law judge, Respondents may file a notice with the Department opting out of the administrative process. Respondents must file its written opt out notice within 20 days after service of the Notice. The written notice to opt out is filed when it is received by the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida 32399-3000.

69. Once the Respondents opt out of the administrative process, the Department may sue the Respondents for injunctive relief, damages, costs and expenses, and civil penalties. If the Respondents opt out of the administrative process, the Department may ask the judge to assess civil penalties in excess of the amounts in this Notice up to $10,000.00 per day per violation. The election to opt out of the administrative process is permanent and once the election is made the administrative process cannot be restarted.

Waivers

70. Respondents will waive the right to a formal hearing or an informal proceeding if either:

a. a request for a formal hearing or informal proceeding is not filed with the Department within 20 days of receipt of this Notice, or

b. a notice opting out of the administrative proceeding is not filed with the Department within 20 days of receipt of this Notice.

These time limits may be varied only by written consent of the Department.

General Provisions

71. The Findings of Fact and Conclusions of Law of this Notice together with the Orders for Corrective Action will be adopted by the Department in a Final Order if Respondents fail to timely file a request for a formal hearing or informal proceeding, pursuant to Section 403.121, Fla. Stat. A Final Order will constitute a full and final adjudication of the matters alleged in this Notice.

72. If Respondents fail to comply with the Final Order, the Department is authorized to file suit in circuit court seeking a mandatory injunction to compel compliance with the Order, pursuant to Sections 120.69, 376.303, 403.121 and 403.131, Fla. Stat. The Department may also seek to recover damages, all costs of litigation including reasonable attorney's fees and expert witness fees, and civil penalties of not more than $10,000.00 per day for each day that Respondents have failed to comply with the Final Order.

73. Copies of Department rules referenced in this Notice may be examined at any Department Office or may be obtained by written request to the District Office.

DATED this 20th day of July, 2012.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Gregory J. Strong
District Director
Northeast District

Copies furnished to:
Jack Chisolm, OGC Enforcement Section
Mail Station 35

EXHIBIT B

From: Radcliff, Bennie
To: Breland, Jabe;
cc: DLE->FWC David Terrones; Bevan, Jamie; DLE->FWC Biagio Angiuli;
Subject: Notice of Violation
Date: Wednesday, August 22, 2012 3:36:59 PM

Jabe,

Per your request: Patrick Gerald Scahill was provided a copy of FDEP Notice of Violation # OGC 11-0817 today without issue. His identity was verified using his Florida Driver's License and the N.O.V was hand delivered at 1355hrs, today's date 08/22/12. Investigator David Terrones participated in the service and should be considered witness to the event.

Please advise should you require further assistance,

Bennie

From: John Herbert
To: DEP_CD
Subject: Pearl Brittan Sewer App Submit
Date: Friday, October 9, 2020 3:58:06 PM
Attachments: 62-604.300_8a_1 Signed.pdf

Pearl Brittan Sewer App Submit

John Herbert, PE | Project Engineer | **NV5**
201 South Bumby Ave | Orlando, FL 32803 | O: 407.896.3317 x00142

Electronic Communications Disclaimer

Florida Department of Environmental Protection

NOTIFICATION/APPLICATION FOR CONSTRUCTING A DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEM

PART I - GENERAL

Subpart A: Permit Application Type

Permit Application Type (mark one only)	EDUs Served	Application Fee*	"X"
Are you applying for an individual permit for a domestic wastewater collection/transmission system? Note: an EDU is equal to 3.5 persons. Criteria for an individual permit are contained in Rule 62-604.600(7), F.A.C.	≥ 10	$500	
	< 10	$300	
Is this a Notice of Intent to use the general permit for wastewater collection/transmission systems? Criteria for qualifying for a general permit are contained in Rule 62-604.600(6), F.A.C. Projects not meeting the criteria in Rule 62-604.600(6), F.A.C., must apply for an individual permit.	N/A	$250	X

*Note: Each non-contiguous project (i.e., projects that are not interconnected or are not located on adjacent streets or in the same neighborhood) requires a separate application and fee.

Subpart B: Instructions

(1) This form shall be completed for all domestic wastewater collection/transmission system construction projects as follows:
- If this is a Notice of Intent to use the general permit, this notification shall be submitted to the Department **at least 30 days prior to initiating construction**.
- If this is an application for an individual permit, the permit must be obtained prior to initiating construction.

(2) One copy of the completed form shall be submitted to the appropriate DEP district office or delegated local program along with the appropriate fee, and one copy of the following supporting documents. Checks should be made payable to the Florida Department of Environmental Protection, or the name of the appropriate delegated local program.

- If this is a Notice of Intent to use the general permit, attach a site plan or sketch showing the size and approximate location of new or altered gravity sewers, pump stations and force mains; showing the approximate location of manholes and isolation valves; and showing how the proposed project ties into the existing or proposed wastewater facilities. The site plan or sketch shall be signed and sealed by a professional engineer registered in Florida.
- If this is an application for an individual permit, one set of plans and specifications shall be submitted with this application, or alternatively, an engineering report shall be submitted. Plans and specifications and engineering reports shall be prepared in accordance with the applicable provisions of Chapters 10 and 20 of *Recommended Standards for Wastewater Facilities*. The plans and specifications or engineering report shall be signed and sealed by a Professional Engineer registered in Florida.

(3) All information shall be typed or printed in ink. Where attached sheets (or other technical documentation) are utilized in lieu of the blank spaces provided, indicate appropriate cross-references on the form. For Items (1) through (4) of Part II of this application form, if an item is not applicable to your project, indicate "NA" in the appropriate space provided.

PART II – PROJECT DOCUMENTATION

(1) Collection/Transmission System Permittee

Name Bradley Zwigard Title Owner
Company Name 2655 Horsepower LLC
Address 8935 Arvida Dr
City Coral Gables State FL Zip 33156
Telephone 561-775-1300 Fax Email john.herbert@nv5.com

(2) General Project Information

Project Name Pearl Britain Plaza
Location: County Marion City Ocala Section 34 Township 14S Range 22E
Project Description and Purpose (including pipe length, range of pipe diameter, total number of manholes, and total number of pump stations):

5 Manholes, 361 LF 8" PVC connecting to existing onsite Manhole that leads to existing onsite Lift Station. Proposed renovations reduce the commercial building by 34,299 SF.

Estimated date for: Start of construction December 2020 Completion of construction December 2021
Connections to existing system or treatment plant Connects to existing MH leading to existing Lift Station

(3) Project Capacity

A = Type of Unit	B = Number of Units	C = Population Per Unit	D = Total Population (Columns B x C)	E = Per Capita Flow	F = Total Average Daily Flow (Columns D x E)	G = Peak hour flow
Single-Family Home						
Mobile Home						
Apartment						
Commercial, Institutional, or Industrial Facility*				See below	9,080 GPD	25.2 GPM
Total						

* Description of commercial, institutional, and industrial facilities and explanation of method used to estimate per capita flow for these facilities:

Reduce existing commercial building space by 34,299 SF.
Site Now includes 150 Seat Restaurants 6,000 gpd
61,600 SF commercial shopping 3,080 gpd
Peak factor of 4 used

(4) Pump Station Data (attached additional sheets as necessary)

		Estimated Flow to the Station (GPD)			
Location	Type	Maximum	Average	Minimum	Operating Conditions [GPM @ FT (TDH)]
NE	Wet Well	25.2	6.31	1	100 gpm @ 55ft

(5) Collection/Transmission System Design Information

A. This information must be completed for all projects by the applicant's professional engineer, and if applicable, those professional engineers in other disciplines who assisted with the design of the project.

If this project has been designed to comply with the standards and criteria listed below, the engineer shall initial in ink before the standards or criteria. If any of the standards or criteria do not apply to this project or if this project has not been designed to comply with the standards or criteria, mark "X" before the appropriate standard or criteria and provide an explanation, including any applicable rule references, in (5)B. below.

Note, if the project has not been designed in accordance with the standards and criteria set forth in Rules 62-604.400(1) and (2), F.A.C., an application for an individual permit shall be submitted. However, if Rules 62-604.400(1) and (2), F.A.C., specifically allow for another alternative that will result in an equivalent level of reliability and public health protection, the project can be constructed using the general permit.

General Requirements

JH 1. The project is designed based on an average daily flow of 100 gallons per capita plus wastewater flow from industrial plants and major institutional and commercial facilities unless water use data or other justification is used to better estimate the flow. The design includes an appropriate peaking factor, which covers I/I contributions and non-wastewater connections to those service lines. [RSWF 11.243]

JH 2. Procedures are specified for operation of the collection/transmission system during construction. [RSWF 20.15]

JH 3. The project is designed to be located on public right-of-ways, land owned by the permittee, or easements and to be located no closer than 100 feet from a public drinking water supply well and no closer than 75 feet from a private drinking water supply well; or documentation is provided in Part II.(5)B., showing that another alternative will result in an equivalent level of reliability and public health protection. [62-604.400(1)(b) and (c), F.A.C.]

JH 4. The project is designed with no physical connections between a public or private potable water supply system and a sewer or force main and with no water pipes passing through or coming into contact with any part of a sewer manhole. [RSFW 38.1 and 48.5]

JH 5. The project is designed to preclude the deliberate introduction of storm water, surface water, groundwater, roof runoff, subsurface drainage, swimming pool drainage, air conditioning system condensate water, non-contact cooling water except as provided by Rule 62-610.668(1), F.A.C., and sources of uncontaminated wastewater, except to augment the supply of reclaimed water in accordance with Rule 62-610.472(3)(c), F.A.C. [62-604.400(1)(d), F.A.C.]

JH 6. The project is designed so that all new or relocated, buried sewers and force mains, are located in accordance with the separation requirements from water mains and reclaimed water lines of Rules 62-604.400(2)(g)(h) and (i) and (3), F.A.C. Note, if the criteria of Rules 62-604.400(2)(g) 4. or (2)(i) 3., F.A.C., are used, describe in Part II.(5)B~~C~~. alternative construction features that will be provided to afford a similar level of reliability and public health protection. [62-604.400(2)(g), (h), and (i) and (3), F.A.C.]

Gravity Sewers

JH 7. The project is designed with no public gravity sewer conveying raw wastewater less than 8 inches in diameter. [RSWF 33.1]

JH 8. The design considers buoyancy of sewers, and appropriate construction techniques are specified to prevent flotation of the pipe where high groundwater conditions are anticipated. [RSWF 33.3}

JH 9. All sewers are designed with slopes to give mean velocities, when flowing full, of not less than 2.0 feet per second, based on Manning's formula using an "n" value of 0.013; or if it is not practicable to maintain these minimum slopes and the depth of flow will be 0.3 of the diameter or greater for design average flow, the owner of the system has been notified that additional sewer maintenance will be required. The pipe diameter and slope are selected to obtain the greatest practical velocities to minimize solids deposition problems. Oversized sewers are not specified to justify flatter slopes. [RSWF 33.41, 33.42, and 33.43]

JH 10. Sewers are designed with uniform slope between manholes. [RWSF 33.44]

X X 11. Where velocities greater than 15 fps are designed, provisions to protect against displacement by erosion and impact are specified. [RSWF 33.45]

X 12. Sewers on 20% slopes or greater are designed to be anchored securely with concrete, or equal, anchors spaced as follows: not over 36 feet center to center on grades 20% and up to 35%; not over 24 feet center to center on grades 35% and up to 50%; and not over 16 feet center to center on grades 50% and over. [RSWF 33.46]

JH 13. Sewers 24 inches or less are designed with straight alignment between manholes. Where curvilinear sewers are proposed for sewers greater than 24 inches, the design specifies compression joints; ASTM or specific pipe manufacturer's maximum allowable pipe joint deflection limits are not exceeded; and curvilinear sewers are limited to simple curves which start and end at manholes. [RSWF 33.5]

JH 14. Suitable couplings complying with ASTM specifications are required for joining dissimilar materials. [RSWF 33.7]

JH 15. Sewers are designed to prevent damage from superimposed loads. [RSWF 33.7]

JH 16. Appropriate specifications for the pipe and methods of bedding and backfilling are provided so as not to damage the pipe or its joints, impede cleaning operations and future tapping, nor create excessive side fill pressures and ovalation of the pipe, nor seriously impair flow capacity. [RSWF 33.81]

JH 17. Appropriate deflection tests are specified for all flexible pipe. Testing is required after the final backfill has been in place at least 30 days to permit stabilization of the soil-pipe system. Testing requirements specify: 1) no pipe shall exceed a deflection of 5%; 2) using a rigid ball or mandrel for the deflection test with a diameter not less than 95% of the base inside diameter or average inside diameter of the pipe, depending on which is specified in the ASTM specification, including the appendix, to which the pipe is manufactured; and 3) performing the test without mechanical pulling devices. [RSWF 33.85]

JH 18. Leakage tests are specified requiring that: 1) the leakage exfiltration or infiltration does not exceed 200 gallons per inch of pipe diameter per mile per day for any section of the system; 2) exfiltration or infiltration tests be performed with a minimum positive head of 2 feet; and 3) air tests, as a minimum, conform to the test procedure described in ASTM C-828 for clay pipe, ASTM C 924 for concrete pipe, ASTM F-1417 for plastic pipe, and for other materials appropriate test procedures. [RSWF 33.93, 33.94, and 33.95]

X 19. If an inverted siphon is proposed, documentation of its need is provided in Part II.(5)B~~C~~. Inverted siphons are designed with: 1) at least two barrels; 2) a minimum pipe size of 6 inches; 3) necessary appurtenances for maintenance, convenient flushing, and cleaning equipment; and 4) inlet and discharge structures having adequate clearances for cleaning equipment, inspection, and flushing. Design provides sufficient head and appropriate pipe sizes to secure velocities of at least 3.0 fps for design average flows. The inlet and outlet are designed so that the design average flow may be diverted to one barrel, and that either barrel may be cut out of service for cleaning. [RSWF 35]

Manholes

JH 20. The project is designed with manholes at the end of each line; at all changes in grade, size, or alignment; at all intersections; and at distances not greater than 400 feet for sewers 15 inches or less and 500 feet for sewers 18 inches to 30 inches, except in the case where adequate modern cleaning equipment is available at distances not greater than 600 feet. [RSWF 34.1]

JH 21. Design requires drop pipes to be provided for sewers entering manholes at elevations of 24 inches or more above the manhole invert. Where the difference in elevation between the incoming sewer and the manhole invert is less than 24 inches, the invert is designed with a fillet to prevent solids deposition. Inside drop connections (when necessary) are designed to be secured to the interior wall of the manhole and provide access for cleaning. Design requires the entire outside drop connection be encased in concrete. [RSWF 34.2]

JH 22. Manholes are designed with a minimum diameter of 48 inches and a minimum access diameter of 22 inches. [RSWF 34.3]

JH 23. Design requires that a bench be provided on each side of any manhole channel when the pipe diameter(s) are less than the manhole diameter and that no lateral sewer, service connection, or drop manhole pipe discharges onto the surface of the bench. [RSWF 34.5]

JH 24. Design requires: 1) manhole lift holes and grade adjustment rings be sealed with non-shrinking mortar or other appropriate material; 2) inlet and outlet pipes be joined to the manhole with a gasketed flexible watertight connection or another watertight connection arrangement that allows differential settlement of the pipe and manhole wall; and 3) watertight manhole covers be used wherever the manhole tops may be flooded by street runoff or high water. [RSWF 34.6]

JH 25. Manhole inspection and testing for watertightness or damage prior to placing into service are specified. Air testing, if specified for concrete sewer manholes, conforms to the test procedures described in ASTM C-1244. [RSWF 34.7]

JH 26. Electrical equipment specified for use in manholes is consistent with Item 46 of this checklist. [RSWF 34.9]

Stream Crossings

X 27. Sewers and force mains entering or crossing streams are designed to be constructed of ductile iron pipe with mechanical joints or so they will remain watertight and free from changes in alignment or grade. Appropriate materials which will not readily erode, cause siltation, damage pipe during placement, or corrode the pipe are specified to backfill the trench. [RSWF 36.21 and 48.5]

X 28. Stream crossings are designed to incorporate valves or other flow regulating devices (which may include pump stations) on the shoreline or at such distances from ~~form~~ the shoreline to prevent discharge in the event the line is damaged. [62-604.400(2)(k)5., F.A.C.]

X 29. Sewers and force mains entering or crossing streams are designed at a sufficient depth below the natural bottom of the stream bed to protect the line. At a minimum, the project is designed with subaqueous lines to be buried at least three feet below the design or actual bottom, whichever is deeper, of a canal and other dredged waterway or the natural bottom of streams, rivers, estuaries, bays, and other natural water bodies; or if it is not practicable to design the project with less than three-foot minimum cover, alternative construction features (e.g. a concrete cap, sleeve, or some other properly engineered device to insure adequate protection of the line) are described in Part II.C. [62-604.400(2)(k)1., F.A.C., and RSWF 36.11]

X 30. Specifications require permanent warning signs be placed on the banks of canals, streams, and rivers clearly identifying the nature and location (including depths below design or natural bottom) of subaqueous crossings and suitably fixed signs be placed at the shore, for subaqueous crossings of lakes, bays, and other large bodies of water, and in any area where anchoring is normally expected. [62-604.400(2)(k)2., F.A.C.]

X 31. Provisions for testing the integrity of subaqueous lines are specified. [62-604.400(2)(k)4., F.A.C.]

X 32. Supports are designed for all joints in pipes utilized for aerial crossings and to prevent overturning and settlement. Expansion jointing is specified between above ground and below ground sewers and force mains. The design considers the impact of floodwaters and debris. [RSWF 37 and 48.5]

X 33. Aerial crossings are designed to maintain existing or required navigational capabilities within the waterway and to reserve riparian rights of adjacent property owners. [62-604.400(2)(k)3., F.A.C.]

Pump Stations

X 34. In areas with high water tables, pump stations are designed to withstand flotation forces when empty. When siting the pump station, the design considers the potential for damage or interruption of operation because of flooding. Pump station structures and electrical and mechanical equipment are designed to be protected from physical damage by the 100-year flood. Pump stations are designed to remain fully operational and accessible during the 25-year flood unless lesser flood levels are appropriate based on local considerations, but not less than the 10-year flood. [62-604.400(2)(e), F.A.C.]

X 35. Pump stations are designed to be readily accessible by maintenance vehicles during all weather conditions. [RSWF 41.2]

X 36. Wet well and pump station piping is designed to avoid operational problems from the accumulation of grit. [RSWF 41.3]

X 37. Dry wells, including their superstructure, are designed to be completely separated from the wet well. Common walls are designed to be gas tight. [RSWF 42.21]

X 38. The design includes provisions to facilitate removing pumps, motors, and other mechanical and electrical equipment. [RSWF 42.22]

X 39. The design includes provisions for: 1) suitable and safe means of access for persons wearing self-contained breathing apparatus are provided to dry wells, and to wet wells; 2) stairway access to wet wells more than 4 feet deep containing either bar screens or mechanical equipment requiring inspection or maintenance; 3) for built-in-place pump stations, a stairway to the dry well with rest landings at vertical intervals not to exceed 12 feet; 4) for factory-built pump stations over 15 feet deep, a rigidly fixed landing at vertical intervals not to exceed 10 feet unless a manlift or elevator is provided; and 5) where a landing is used, a suitable and rigidly fixed barrier to prevent an individual from falling past the intermediate landing to a lower level. If a manlift or elevator is provided, emergency access is included in the design. [RSWF 42.23]

X 40. Specified construction materials are appropriate under conditions of exposure to hydrogen sulfide and other corrosive gases, greases, oils, and other constituents frequently present in wastewater. [RSWF 42.25]

X 41. Except for low-pressure grinder or STEP systems, multiple pumps are specified, and each pump has an individual intake. Where only two units are specified, they are of the same size. Specified units have capacity such that, with any unit out of service, the remaining units will have capacity to handle the design peak hourly flow. [RSWF 42.31 and 42.36]

X 42. Bar racks are specified for pumps handling wastewater from 30 inch or larger diameter sewers. Where a bar rack is specified, a mechanical hoist is also provided. The design includes provisions for appropriate protection from clogging for small pump stations. [RSWF 42.322]

X 43. Pumps handling raw wastewater are designed to pass spheres of at least 3 inches in diameter. Pump suction and discharge openings are designed to be at least 4 inches in diameter. [RSWF 42.33] (Note, this provision is not applicable to grinder pumps.)

X 44. The design requires pumps be placed such that under normal operating conditions they will operate under a positive suction head, unless pumps are suction-lift pumps. [RSWF 42.34]

X 45. The design requires: 1) pump stations be protected from lightning and transient voltage surges; and 2) pump stations be equipped with lighting arrestors, surge capacitors, or other similar protection devices and phase protection. Note, pump stations serving a single building are not required to provide surge protection devices if not necessary to protect the pump station. [62-604.400(2)(b), F.A.C.]

X 46. The design requires 1) electrical systems and components (e.g., motors, lights, cables, conduits, switch boxes, control circuits, etc.) in raw wastewater wet wells, or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors may be present, comply with the National Electrical Code requirements for Class I Group D, Division 1 locations; 2) electrical equipment located in wet wells be suitable for use under corrosive conditions; 3) each flexible cable be provided with a watertight seal and separate strain relief; 4) a fused disconnect switch located above ground be provided for the main power feed for all pump stations; 5) electrical equipment exposed to weather to meet the requirements of weatherproof equipment NEMA 3R or 4; 6) a 110 volt power receptacle to facilitate maintenance be provided inside the control panel for pump stations that have control panels outdoors; and 7) ground fault interruption protection be provided for all outdoor outlets. [RSWF 42.35]

X 47. The design requires a sump pump equipped with dual check valves be provided in dry wells to remove leakage or drainage with discharge above the maximum high water level of the wet well. [RSWF 42.37]

JH 48. Pump station design capacities are based on the peak hourly flow and are adequate to maintain a minimum velocity of 2 feet per second in the force main. [RSWF 42.38]

JH 49. The design includes provisions to automatically alternate the pumps in use. [RSWF 42.4]

X 50. The design requires: 1) suitable shutoff valves be placed on the suction line of dry pit pumps; 2) suitable shutoff and check valves be placed on the discharge line of each pump (except on screw pumps); 3) a check valve be located between the shutoff valve and the pump; 4) check valves be suitable for the material being handled; 5) check valves be placed on the horizontal portion of discharge piping (except for ball checks, which may be placed in the vertical run); 6) all valves be capable of withstanding normal pressure and water hammer; and 7) all shutoff and check valves be operable from the floor level and accessible for maintenance. [RSWF 42.5]

JH 51. The effective volume of wet wells is based on design average flows and a filling time not to exceed 30 minutes unless the facility is designed to provide flow equalization. The pump manufacturer's duty cycle recommendations were utilized in selecting the minimum cycle time. [RSWF 42.62]

X 52. The design requires wet well floors have a minimum slope of 1 to 1 to the hopper bottom and the horizontal area of hopper bottoms be no greater than necessary for proper installation and function of the inlet. [RSWF 42.63]

X 53. For covered wet wells, the design provides for air displacement to the atmosphere, such as an inverted "j" tube or other means. [RSWF 42.64]

X 54. The design provides for adequate ventilation all pump stations; mechanical ventilation where the dry well is below the ground surface; permanently installed ventilation if screens or mechanical equipment requiring maintenance or inspection are located in the wet well. Pump stations are designed with no interconnection between the wet well and dry well ventilation systems. [RSWF 42.71]

X 55. The design requires all intermittently operated ventilation equipment to be interconnected with the respective pit lighting system and the manual lighting/ventilation switch to override the automatic controls. [RSWF 42.73]

X 56. The design requires the fan wheels of ventilation systems be fabricated from non-sparking material and automatic heating and dehumidification equipment be provided in all dry wells. [RSWF 42.74]

X 57. If wet well ventilation is continuous, design provides for at least 12 complete 100% fresh air changes per hour; if wet well ventilation is intermittent, design provides for at least 30 complete 100% fresh air changes per hour; and design requires air to be forced into wet wells by mechanical means rather than solely exhausted from the wet well. [RSWF 42.75]

X 58. If dry well ventilation is continuous, design provides at least 6 complete 100% fresh air changes per hour; and dry well ventilation is intermittent, design provides for at least 30 complete 100% fresh air changes per hour, unless a system of two speed ventilation with an initial ventilation rate of 30 changes per hour for 10 minutes and automatic switch over to 6 changes per hour is used to conserve heat. [RSWF 42.76]

X 59. Pump stations are designed and located on the site to minimize adverse effects from odors, noise, and lighting. [62-604.400(2)(c), F.A.C.]

X 60. The design requires pump stations be enclosed with a fence or otherwise designed with appropriate features to discourage the entry of animals and unauthorized persons. Posting of an unobstructed sign made of durable weather resistant material at a location visible to the public with a telephone number for a point of contact in case of emergency is specified. [62-604.400(2)(d), F.A.C.]

X 61. The design requires suitable devices for measuring wastewater flow at all pump stations. Indicating, totalizing, and recording flow measurement are specified for pump stations with a 1200 gpm or greater design peak flow. [RSWF 42.8]

JH 62. The project is designed with no physical connections between any potable water supplies and pump stations. If a potable water supply is brought to a station, reduced-pressure principle backflow-prevention assemblies are specified. [RSWF 42.9 and 62-555.30(4), F.A.C.]

Additional Items to be Completed for Suction-Lift Pump Stations

X 63. The design requires all suction-lift pumps to be either self-priming or vacuum-priming and the combined total of dynamic suction-lift at the "pump off" elevation and required net positive suction head at design operating conditions not to exceed 22 feet. For self-priming pumps, the design requires: 1) pumps be capable of rapid priming and repriming at the "lead pump on" elevation with self-priming and repriming accomplished automatically under design operating conditions; 2) suction piping not to exceed the size of the pump suction or 25 feet in total length; and 3) priming lift at the "lead pump on" elevation to include a safety factor of at least 4 feet from the maximum allowable priming lift for the specific equipment at design operating conditions. For vacuum-priming pump stations, the design requires dual vacuum pumps capable of automatically and completely removing air from the suction-lift pumps and the vacuum pumps be adequately protected from damage due to wastewater. [RSWF 43.1]

X 64. The design requires: 1) suction-lift pump equipment compartments to be above grade or offset and to be effectively isolated from the wet well to prevent a hazardous and corrosive sewer atmosphere from entering the equipment compartment; 2) wet well access not to be through the equipment compartment and to be at least 24 inches in diameter; 3) gasketed replacement plates be provided to cover the opening to the wet well for pump units to be remove for service; and 4) no valving be located in the wet well. [RSWF 43.2]

Additional Items to be Completed for Submersible Pump Stations

X 65. Submersible pumps and motors are designed specifically for raw wastewater use, including totally submerged operation during a portion of each pump cycle and to meet the requirements of the National Electrical Code for such units. Provisions for detecting shaft seal failure or potential seal failure are included in the design. [RSWF 44.1]

X 66. The design requires submersible pumps be readily removable and replaceable without dewatering the wet well or disconnecting any piping in the wet well. [RSWF 44.2]

X 67. In submersible pump stations, electrical supply, control, and alarm circuits are designed to provide strain relief; to allow disconnection from outside the wet well; and to protect terminals and connectors from corrosion by location outside the wet well or through use of watertight seals. [RSWF 44.31]

X 68. In submersible pump stations, the design requires the motor control center to be located outside the wet well, readily accessible, and protected by a conduit seal or other appropriate measures meeting the requirements of the National Electrical Code, to prevent the atmosphere of the wet well from gaining access to the control center. If a seal is specified, the motor can be removed and electrically disconnected without disturbing the seal. The design requires control equipment exposed to weather to meet the requirements of weatherproof equipment NEMA 3R or 4. [RSWF 44.32]

X 69. In submersible pump stations, the design requires: 1) pump motor power cords be flexible and serviceable under conditions of extra hard usage and to meet the requirements of the National Electrical Code standards for flexible cords in wastewater pump stations; 2) ground fault interruption protection be used to de-energize the circuit in the event of any failure in the electrical integrity of the cable; and 3) power cord terminal fittings be corrosion-resistant and constructed in a manner to prevent the entry of moisture into the cable, provided with strain relief appurtenances, and designed to facilitate field connecting. [RSWF 44.33]

X 70. In submersible pump stations, the design requires all shut-off and check valves be located in a separate valve pit. Provisions to remove or drain accumulated water from the valve pit are included in the design. [RSWF 44.4]

Emergency Operations for Pump Stations

X 71. Pump stations are designed with an alarm system which activates in cases of power failure, sump pump failure, pump failure, unauthorized entry, or any cause of pump station malfunction. Pump station alarms are designed to be telemetered to a facility that is manned 24 hours a day. If such a facility is not available and a 24-hour holding capacity is not provided, the alarm is designed to be telemetered to utility offices during normal working hours and to the home of the responsible person(s) in charge of the lift station during off-duty hours. Note, if an audio-visual alarm system with a self-contained power supply is provided in lieu of a telemetered system, documentation is provided in Part II.(5)B~~C~~. showing an equivalent level of reliability and public health protection. [RSWF 45]

X 72. The design requires emergency pumping capability be provided for all pump stations. For pump stations that receive flow from one or more pump stations through a force main or pump stations discharging through pipes 12 inches or larger, the design requires uninterrupted pumping capability be provided, including an in-place emergency generator. Where portable pumping and/or generating equipment or manual transfer is used, the design includes sufficient storage capacity with an alarm system to allow time for detection of pump station failure and transportation and connection of emergency equipment. [62-604.400(2)(a)1. and 2., F.A.C., and RSWF 46.423 and 46.433]

X 73. The design requires: 1) emergency standby systems to have sufficient capacity to start up and maintain the total rated running capacity of the station, including lighting, ventilation, and other auxiliary equipment necessary for safety and proper operation; 2) special sequencing controls be provided to start pump motors unless the generating equipment has capacity to start all pumps simultaneously with auxiliary equipment operating; 3) a riser from the force main with rapid connection capabilities and appropriate valving be provided for all pump stations to hook up portable pumps; and 4) all pump station reliability design features be compatible with the available temporary service power generating and pumping equipment of the authority responsible for operation and maintenance of the collection/transmission system. [62-604.400(2)(a)3., F.A.C., and RSWF 46.431]

X 74. The design provides for emergency equipment to be protected from operation conditions that would result in damage to the equipment and from damage at the restoration of regular electrical power. [RSWF 46.411, 46.417, and 46.432]

X 75. For permanently-installed internal combustion engines, underground fuel storage and piping facilities are designed in accordance with applicable state and federal regulations; and the design requires engines to be located above grade with adequate ventilation of fuel vapors and exhaust gases. [RSWF 46.414 and 46.415]

X 76. For permanently-installed or portable engine-driven pumps are used, the design includes provisions for manual start-up. [RSWF 46.422]

X 77. Where independent substations are used for emergency power, each separate substation and its associated transmission lines is designed to be capable of starting and operating the pump station at its rated capacity. [RSWF 46.44]

Force Mains

X 78. Force mains are designed to maintain, at design pumping rates, a cleansing velocity of at least 2 feet per second. The minimum force main diameter specified for raw wastewater is not less than 4 inches. [RSWF 48.1]

X 79. The design requires: 1) branches of intersecting force mains be provided with appropriate valves such that one branch may be shut down for maintenance and repair without interrupting the flow of other branches; and 2) stubouts on force mains, placed in anticipation of future connections, be equipped with a valve to allow such connection without interruption of service. [62-604.400(2)(f), F.A.C.]

X 80. The design requires air relief valves be placed at high points in the force main to prevent air locking. [RSWF 48.2]

X 81. Specified force main pipe and joints are equal to water main strength materials suitable for design conditions. The force main, reaction blocking, and station piping are designed to withstand water hammer pressures and stresses associated with the cycling of wastewater pump stations. [RSWF 48.4]

X 82. When the Hazen and Williams formula is used to calculate friction losses through force mains, the value for "C" is 100 for unlined iron or steel pipe for design. For other smooth pipe materials, such as PVC, polyethylene, lined ductile iron, the value for C does not exceed 120 for design. [RSWF 48.61]

X 83. Where force mains are constructed of material, which might cause the force main to be confused with potable water mains, specifications require the force main to be clearly identified. [RSWF 48.7]

X 84. Leakage tests for force mains are specified including testing methods and leakage limits. [RSWF 48.8]

*RSWF = *Recommended Standards for Wastewater Facilities* (1997) as adopted by rule 62-604.300(5)(g), F.A.C.

B. Explanation for Requirements or Standards Marked "X" in II(5)A. Above (Attach additional sheets if necessary):

#11: Design velocities do not exceed 15 fps. #12:No Sewer slopes exceed 20% #19 No inverted siphons are proposed #27-#33: No Stream Crossings proposed #34-47, 50, 52-61, 63-84 Pump Station existing, inflow reduced vs existing, only float changes proposed. forcemain existing.

PART III - CERTIFICATIONS

(1) Collection/Transmission System Permittee

I, the undersigned owner or authorized representative* of Pearl Brittan Plaza am fully aware that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. I agree to retain the design engineer or another professional engineer registered in Florida, to conduct on-site observation of construction, to prepare a certification of completion of construction, and to review record drawings for adequacy. Further, I agree to provide an appropriate operation and maintenance manual for the facilities pursuant to Rule 62-604.500(4), F.A.C., and to retain a professional engineer registered in Florida to examine (or to prepare if desired) the manual. I am fully aware that Department approval must be obtained before this project is placed into service for any purpose other than testing for leaks and testing equipment operation.

Signed _____ Date _____

Name Bradley Zwigard Title Owner

*Attach a letter of authorization.

(2) Owner of Collection/Transmission System

I, the undersigned owner or authorized representative* of Tradewinds Utilites certify that we will be the Owner of this project after it is placed into service. I agree that we will operate and maintain this project in a manner that will comply with applicable Department rules. Also I agree that we will promptly notify the Department if we sell or legally transfer ownership of this project.

Signed Charles deMenzes Date 10-9-2020

Name Charles deMenzes Title President

Company Name Tradewinds Utilites

Address 1552 SW 7th Rd

City Ocala State FL Zip 34471

Telephone 352-622-4949 Fax 352-732-4366 Email utilitiesmanagementteam@gmail.com

* *Attach a letter of authorization.*

(3) Wastewater Facility Serving Collection/Transmission System**

If this is a Notice of Intent to use a general permit, check here:

☐ The undersigned owner or authorized representative* of the _____ wastewater facility hereby certifies that the above referenced facility has the capacity to receive the wastewater generated by the proposed collection system; is in compliance with the capacity analysis report requirements of Rule 62-600.405, F.A.C.; is not under a Department order associated with effluent violations or the ability to treat wastewater adequately; and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

If this is an application for an individual permit, check one:

☐ The undersigned owner or authorized representative* of the _____ wastewater facility hereby certifies that the above referenced facility has and will have adequate reserve capacity to accept the flow from this project and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

☑ The undersigned owner or authorized representative* of the Tradewinds Utilities Inc wastewater facility hereby certifies that the above referenced facility currently does not have, but will have prior to placing the proposed project into operation, adequate reserve capacity to accept the flow from this project and will provide the necessary treatment and disposal as required by Chapter 403, F.S., and applicable Department rules.

Name of Treatment Plant Serving Project Tradewinds WWTF

County Marion City Ocala

DEP permit number FL A010699-005-DW3P Expiration Date 12/31/20

Maximum monthly average daily flow over the last 12 month period .045 MGD Month(s) used 12

Maximum three-month average daily flow over the last 12 month period .042 MGD Month(s) used 12

Current permitted capacity .081 MGD ☐ AADF ☐ MADF ☐ TMADF

Current outstanding flow commitments (including this project) against treatment plant capacity: 0 - No commitments

Signed Charles deMenzes Date 10-9-2020

Name Charles deMenzes Title President

Address 1552 SW 7th Rd

City Ocala, FL 34471 State FL Zip 34471

Telephone 352-622-4949 Fax 352-732-4366 Email _____

* *Attach a letter of authorization.*

** *If there is an intermediate collection system, a letter shall be attached certifying that the intermediate downstream collection system has adequate reserve capacity to accept the flow from this project.*

(4) Professional Engineer Registered in Florida

I, the undersigned professional engineer registered in Florida, certify that I am in responsible charge of the preparation and production of engineering documents for this project; that plans and specifications for this project have been completed; that I have expertise in the design of wastewater collection/transmission systems; and that, to the best of my knowledge and belief, the engineering design for this project complies with the requirements of Chapter 62-604, F.A.C.

(Affix Seal)

Signed _____
Date _____

Name John Herebrt IV Florida Registration No. 84698
Company Name NV5 Inc
Address 201 S. Bumby Ave
City Orlando State FL Zip 32803
Telephone 40737617[illegible] Fax _____ Email john.herbert@nv5.com
Portion of Project for Which Responsible Whole

(Affix Seal)

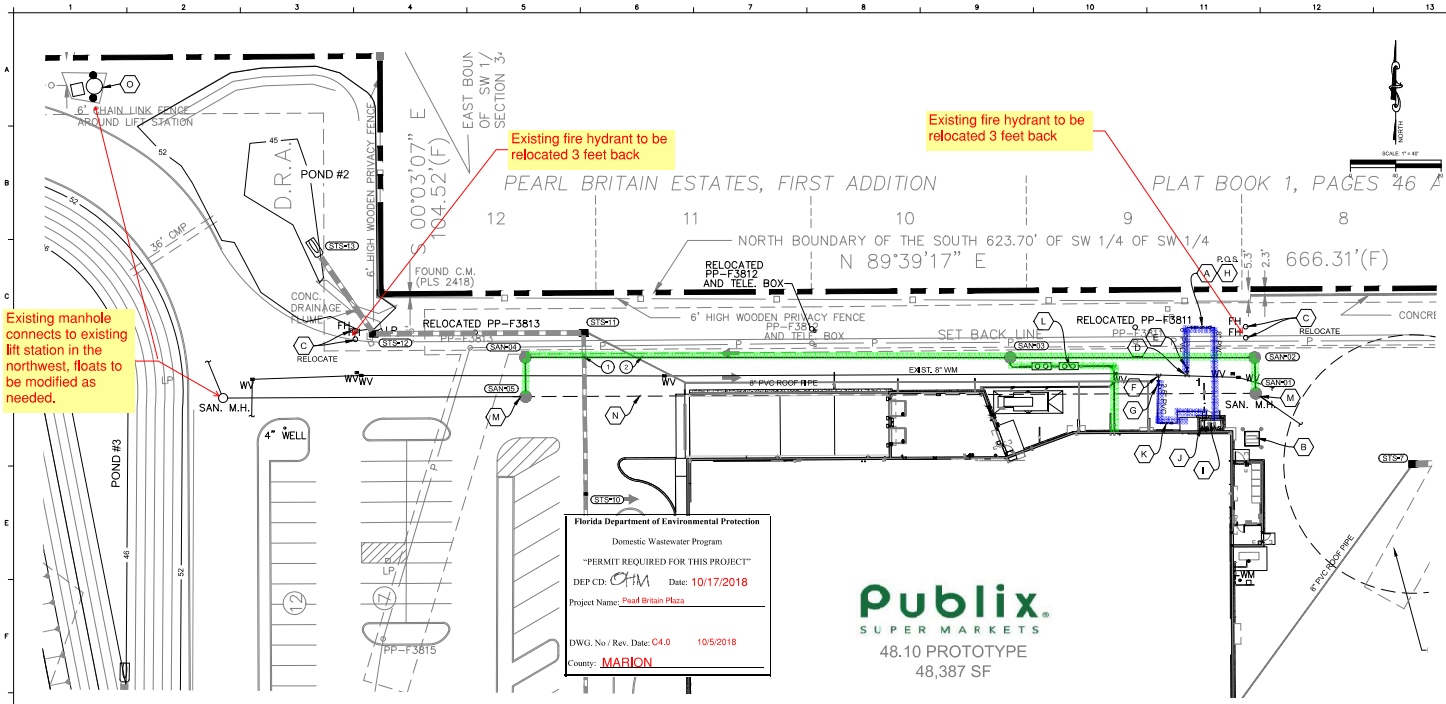
Signed _____
Date _____

Name _____ Florida Registration No. _____
Company Name _____
Address _____
City _____ State _____ Zip _____
Telephone _____ Fax _____ Email _____
Portion of Project for Which Responsible _____

(Affix Seal)

Signed _____
Date _____

Name _____ Florida Registration No. _____
Company Name _____
Address _____
City _____ State _____ Zip _____
Telephone _____ Fax _____ Email _____
Portion of Project for Which Responsible _____



UTILITY NOTE:

1. MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WATER, WASTEWATER, AND RECLAIMED WATER LINES. ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED AT ALL POINTS OF CONNECTION TO AND AT ALL AREAS OF CONFLICT WITH MAINS
2. THE FIRE LINE CONNECTION FOR THE NFPA 13D FIRE SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA AND FLORIDA FIRE PREVENTION CODE 6TH EDITION.
3. BUILDING MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM
4. CONTRACTOR TO FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 6TH EDITION CONCERNING FIRE AND LIFE SAFETY.
5. ALL ROADWAYS, WATER LINE INFRASTRUCTURE AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
6. EXISTING UNDERGROUND UTILITY LOCATIONS ARE BASED ON AS-BUILTS AND SURVEYED SURFACE FEATURES. CONTRACTOR SHALL FIELD VERIFY SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PIPE CROSSING NOTE:

THE GENERAL CONTRACTOR SHALL LOCATE BELL AND SPIGOT OF EACH PIPE SEGMENT AWAY FROM PIPE CROSSING. PIPE CROSSING ELEVATIONS REPRESENT OUTSIDE WALL THICKNESSES AND DOES NOT INCLUDE BELL AND SPIGOT WIDENINGS.

FIRE LINE NOTES:

1. A SEPARATE PERMIT IS REQUIRED PRIOR TO INSTALLATION OF ANY FIRE LINE.
2. INSTALLATION OF ALL UNDERGROUND FIRE LINES SHALL COMPLY WITH THE 2010 EDITION OF NFPA 24.
3. UNDERGROUND FIRE LINES SHALL BE INSTALLED BY AN APPROPRIATELY CERTIFIED FIRE SPRINKLER CONTRACTOR OR A TYPE V UNDERGROUND CONTRACTOR, AS DEFINED AND OUTLINED IN 633.102, 633.521 AND 633.334 F.S.
4. PIPING USED FOR FIRE PROTECTION SERVICE (I.e. FOR FIRE HYDRANTS AND FIRE SPRINKLER SERVICE) THAT IS RUN UNDER DRIVEWAYS SHALL BE BURIED AT A MINIMUM DEPTH OF 36-INCHES.
5. FIRE STORAGE TANK SHALL BE IN COMPLIANCE WITH NFPA 22.

GENERAL NOTES:

1. MAINTENANCE OF ONSITE INFRASTRUCTURE INCLUDING WATER, SEWER AND STORM UTILITIES WILL BE THE RESPONSIBILITY OF THE TENANT
2. ALL ELEV. SHOWN ARE PER NAVD88
3. PERSUANT TO RULE 62-521.400(1)-(n) AND (2), F.A.C., THE STANDBY GENERATOR STORAGE TANK WILL BE INSTALLED GREATER THAT 500-FEET AWAY FROM ANY EXISTING COMMUNITY WATER SUPPLY SYSTEM OR ANY EXISTING ON-TRANSIENT NON-COMMUNITY.

FIRE FLOW REQUIRMENT:

CONSTRUCTION TYPE: (2006)

AREA: 48,387 SF

PER FFPC - TABLE 18.4.5.2.1, FIRE FLOW REQ = 4,750 GPM @ 4HRS

FIRE SPRINKLER REDUCTION = 75%

TOTAL REQ FIRE FLOW = 1,250 GPM

SANITARY SEWER SCHEDULE

STRUCTURE NUMBER	STRUCTURE TYPE	RIM EL	DOWNSTREAM STRUCTURE	INVERTS IN	INVERTS OUT	DOWNSTREAM PIPE LENGTH	PIPE SIZE/ MATERIAL	SLOPE
SAN-01	4' DIA SLOPED CONC MH	55.45	SAN-02	49.97 SE	51.49' W	15.65'	8" PVC	1.00%
SAN-02	4' DIA SLOPED CONC MH	56.31	SAN-03	51.30' S	51.21' W	102.78'	8" PVC	1.00%
SAN-03	4' DIA SLOPED CONC MH	61.88	SAN-04	55.17 E 52.07 S	49.99' W	213.92'	8" PVC	1.16%
SAN-04	4' DIA SLOPED CONC MH	55.14	SAN-05	49.99 E	49.89' S	14.28'	8" PVC	1.16%
SAN-05	4' DIA SLOPED CONC MH	54.99		49.89' N	49.70' W	9.61'	8" PVC	1.16%

PIPE CROSSING SCHEDULE

	TOP PIPE / BOTTOM PIPE	BOTTOM EL / TOP EL	CLEARANCE (FT)
	8" SAN PVC	49.13	1.82'
	18" HP STORM PP	47.31	
	8" SAN PVC	49.21	2.81'
	8" ROOF DRAIN	46.40	

UTILITY LEGEND

- (A) 6" FIRE DCVA WITH MOUNTED FDC WITH CONCRETE PAD
- (B) ELECTRICAL TRANSFORMER PAD, REFER TO ARCH. MEP PLANS FOR EXACT LOCATION
- (C) FIRE HYDRANT ASSEMBLY
- (D) 8"X8" TAPPING SLEEVE
- (E) 8" GATE VALVE
- (F) 8"X2.5" TEE
- (G) 2.5" GATE VALVE
- (H) POINT OF SERVICE
- (I) FIRE RISER ROOM
- (J) 1.5" DOMESTIC BUILDING ENTRY
- (K) 1.5" RPZ WITH 1.5" METER
- (L) 1,250 GALLON GREASE TRAP, SEE MEP PLANS
- (M) CONNECT TO EXIST. SANITARY LINE
- (N) REMOVE 321 LF OF 8" SANITARY LINE
- (O) EXISTING PRIVATE LIFT STATION

CALL 48 HOURS BEFORE YOU DIG IN FLORIDA
ONE CALL TO TELL THEM
1-800-432-4770
IT'S THE LAW
SUNSHINE STATE ONE CALL CENTER OF FLORIDA, INC.

ENGINEER
JOSEPH M. PAGANO, P.E.
P.E. # 0065502
DATE: 10/4/18, 2018

RECORD DRAWING
THE INFORMATION SHOWN ON THIS DRAWING IS BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND/OR OTHERS. NAV5 HAS NOT VERIFIED THE ACCURACY OF THIS INFORMATION AND MAKES NO REPRESENTATIONS REGARDING THE ACCURACY OF THIS INFORMATION.
BY: DATE:

PEARL BRITAIN PLAZA
2857 N.E. 35TH STREET
OCALA, MARION COUNTY, FL
AMERICAN COMMERCIAL REALTY CORP.

MASTER UTILITY PLAN

NAV5
201 S. BUMBY AVE.
ORLANDO, FL
WWW.NAV5.COM
© COPYRIGHT NAV5 2009

SHEET
C4.0

From:	John Herbert
To:	Abouelkheir, Mohamed
Subject:	2 of 2 RE: Pearl Britain Plaza CS 0393344-001
Date:	Monday, October 12, 2020 9:14:19 PM
Attachments:	FDEP SIGNED SEWER PLAN PEARL BRIT.PDF

2- Please submit engineering drawings signed and sealed by a Professional Engineer licensed in the state of Florida as well as indicate the certificate of authorization number of the engineering business, the submitted plans are not signed and sealed, [62-620.320 (1) FAC]
See attached

John Herbert, PE | Project Engineer | **NV5**
201 South Bumby Ave | Orlando, FL 32803 | O: 407.896.3317 x00142

Electronic Communications Disclaimer

From: Abouelkheir, Mohamed [mailto:Mohamed.Abouelkheir@floridadep.gov]
Sent: Monday, October 12, 2020 1:26 PM
To: John Herbert <John.Herbert@nv5.com>
Subject: Pearl Britain Plaza CS 0393344-001

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The application is at the link below.
https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=38.925409.1]&[profile=Permitting_Authorization

Please confirm you have received this email. Submit your response to DEP_CD@dep.state.fl.us ,and refence that you are providing an RAI response to this project. Please also copy myself on the response.

If the plans can't be emailed, you can upload the plans to the Department's ftp site and let us know when you have uploaded by sending us a link, here are the instructions :
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3-Create a folder and call it the name of your project, permit application, document , etc.

4-Now you can copy and paste your document into the folder
5-Once complete please send us at DEP_CD@dep.state.fl.us , Please also copy myself on the response.
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Please let me know if you have any questions,

Best Regards

Mohamed Abouelkheir, MBA
Engineering Specialist
Permitting and Waste Cleanup Program
Florida Department of Environmental Protection
Central District – Orlando
3319 Maguire Blvd. Orlando, FL 32803
Direct: 407-897-2966
Mohamed.Abouelkheir@floridadep.gov
Links: **Waste** | **Rules** | **Permitting** | **Oculus** | **INFO PORTAL**

From: John Herbert
To: Abouelkheir, Mohamed
Subject: RE: 1 of 2 RE: Pearl Britain Plaza CS 0393344-001
Date: Tuesday, October 13, 2020 8:38:17 AM
Attachments: image002.png
62-604.300_8a_1 Signed.pdf

Sorry,

Had multiple files that needed to be combined once the signatures were received.
This should be the correct final copy.

John Herbert, PE | Project Engineer | **NV5**
201 South Bumby Ave | Orlando, FL 32803 | O: 407.896.3317 x00142

Electronic Communications Disclaimer

From: Abouelkheir, Mohamed [mailto:Mohamed.Abouelkheir@floridadep.gov]
Sent: Tuesday, October 13, 2020 8:28 AM
To: John Herbert <John.Herbert@nv5.com>
Subject: RE: 1 of 2 RE: Pearl Britain Plaza CS 0393344-001

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Best Regards

Mohamed Abouelkheir, MBA
Engineering Specialist
Permitting and Waste Cleanup Program
Florida Department of Environmental Protection
Central District – Orlando
3319 Maguire Blvd. Orlando, FL 32803
Direct: 407-897-2966
Mohamed.Abouelkheir@floridadep.gov
Links: **Waste** | **Rules** | **Permitting** | **Oculus** | **INFO PORTAL**

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Sent: Monday, October 12, 2020 9:13 PM
To: Abouelkheir, Mohamed <Mohamed.Abouelkheir@floridadep.gov>
Subject: 1 of 2 RE: Pearl Britain Plaza CS 0393344-001

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604.300(8)(a
See Attached.

John Herbert, PE | Project Engineer | **NV5**
201 South Bumby Ave | Orlando, FL 32803 | O: 407.896.3317 x00142

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3-Create a folder and call it the name of your project, permit application, document , etc.
4-Now you can copy and paste your document into the folder
5-Once complete please send us at DEP_CD@dep.state.fl.us , Please also copy myself on the response.
6-Documents only stay on the FTP site for a limited time .

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Best Regards

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Engineering Specialist
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Florida Department of Environmental Protection
Central District – Orlando
3319 Maguire Blvd. Orlando, FL 32803
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FLORIDA DEPARTMENT OF Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

NOTIFICATION OF ACCEPTANCE OF USE OF A GENERAL PERMIT

PERMITTEE:
Madeleine Humphreys, Authorized Agent
2655 Horsepower, LLC
300 Avenue of the Champions, Suite 140
Palm Beach Garden, FL 33418

Email: mhumphreys@amcomrealty.com

PERMIT NUMBER:	0393344-001-DWC/CG
ISSUE DATE:	October 14, 2020
EXPIRATION DATE:	October 13, 2025
COUNTY:	Marion
PROJECT NAME:	Pearl Britain Plaza
CONNECTED TO:	Tradewinds WWTF
FACILITY ID:	FLA010699

Dear Ms. Humphreys:

This letter acknowledges receipt of your Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System for the subject project. Our office received the Notice on October 9, 2020 and the associated fees on October 12, 2020. This project includes: A) 361 linear feet (LF) of 8-inch PVC gravity sewer, and B) associated manholes, valves and appurtenances.

This is to advise you that the Department does not object to your use of such General Permit.

Please note the attached requirements apply to your use of this General Permit for constructing the proposed domestic wastewater collection/transmission system.

You are further advised that the construction activity must conform to the description contained in your Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System and that any deviation will subject the permittee to enforcement action and possible penalties.

Sincerely,

Mohamed Abouelkheir

Mohamed Abouelkheir, MBA
Engineering Specialist
Permitting and Waste Cleanup Program

cc: Charles Demenzes, President, utilitiesmanagementteam@gmail.com
John Herbert, P.E, John.Herbert@nv5.com
Charles LeGros, Mohamed Abouelkheir, DEP

REQUIREMENTS FOR USE OF THE GENERAL PERMIT FOR DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEMS:

1. This general permit is subject to the general permit conditions of Rule 62-4.540, F.A.C., as applicable. This rule is available at the Department's Internet site at: http://www.dep.state.fl.us/legal/Rules/shared/62-4/62-4.pdf [62-4.540]

2. This general permit does not relieve the permittee of the responsibility for obtaining a dredge and fill permit where it is required. [62-604.600(6)(b)1]

3. This general permit cannot be revised, except to transfer the permit. [62-604.600(6)(b)2]

4. This general permit will expire five years from the date of issuance. If the project has been started and not completed by that time, a new permit must be obtained before the expiration date in order to continue work on the project. [62-4.030]

5. Upon completion of construction of the collection/transmission system project, and before placing the facilities into operation for any purpose other than testing for leaks or testing equipment operation, the permittee shall submit to the Department's Central District Office Form 62-604.300(8)(b), Request for Approval to Place a Domestic Wastewater Collection/Transmission System into Operation. This form is available at the Department's Internet site at: http://www.dep.state.fl.us/water/wastewater/dom/dw-forms.htm. [62-604.700(2)]

Please submit the entire clearance document package in electronic format to DEP_CD@dep.state.fl.us, with a copy to Mohamed.Abouelkheir@floridadep.gov If the file is very large, you may post it to the Wastewater Electronic Applications folder on the following ftp site at:

ftp://ftp.dep.state.fl.us/pub/wastewater/

After posting the document, send an e-mail to DEP_CD@dep.state.fl.us, with a copy to Mohamed.Abouelkheir@floridadep.gov, alerting us that it has been posted. Any submitted drawings (should be sized 11" x 17") and the engineer of record's signed seal and dates on the required document must be legible for acceptance.

For further clarification contact:
(Mohamed Abouelkheir), (407) 897-2966
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

6. The new or modified collection/transmission facilities shall not be placed into service until the Department clears the project for use. [62-604.700(3)]

7. Abnormal events shall be reported to the Department's Central District Office in accordance with Rule 62-604.550, F.A.C. For unauthorized spills of wastewater in excess of 1000 gallons per incident, or where information indicates that public health or the environment may be endangered, oral reports shall be provided to the STATE WATCH OFFICE TOLL FREE NUMBER (800)320-0519 as soon as practical, but no later than 24 hours from the time the permittee or other designee becomes aware of the circumstances. Unauthorized releases or spills less than 1000 gallons per incident are to be reported orally to the Department's Central District Office within 24 hours from the time the permittee, or other designee becomes aware of the circumstances. [62-604.550]

From:	John Herbert
To:	Abouelkheir, Mohamed; Brock Seidel
Cc:	Madeleine Humphreys
Subject:	RE: Pearl Britain Plaza CS 0393344-001
Date:	Tuesday, October 13, 2020 4:13:44 PM
Attachments:	image002.png [Untitled].pdf

Mohamed,

Attached is the authorized agent letter requested for Pearl Britain.

Thank you,

John Herbert, PE | Project Engineer | **NV5**
201 South Bumby Ave | Orlando, FL 32803 | O: 407.896.3317 x00142

Electronic Communications Disclaimer

From: Abouelkheir, Mohamed [mailto:Mohamed.Abouelkheir@floridadep.gov]
Sent: Tuesday, October 13, 2020 1:50 PM
To: Brock Seidel <bseidel@amcomrealty.com>
Cc: John Herbert <John.Herbert@nv5.com>; Madeleine Humphreys <mhumphreys@amcomrealty.com>
Subject: RE: Pearl Britain Plaza CS 0393344-001

Brock

No, the Authorization letter doesn't need to be notarized.

Best Regards

Mohamed Abouelkheir, MBA
Engineering Specialist
Permitting and Waste Cleanup Program
Florida Department of Environmental Protection
Central District – Orlando
3319 Maguire Blvd. Orlando, FL 32803
Direct: 407-897-2966
Mohamed.Abouelkheir@floridadep.gov
Links: **Waste** | **Rules** | **Permitting** | **Oculus** | **INFO PORTAL**

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From: Brock Seidel <bseidel@amcomrealty.com>
Sent: Tuesday, October 13, 2020 1:44 PM
To: Abouelkheir, Mohamed <Mohamed.Abouelkheir@floridadep.gov>
Cc: John Herbert <John.Herbert@nv5.com>; Madeleine Humphreys <mhumphreys@amcomrealty.com>
Subject: FW: Pearl Britain Plaza CS 0393344-001

Mohamed,

Madeleine and I work for American Commercial Realty Corp. ACR is the property management company as well as the developer of this project. Does the Authorization letter need to be notarized?

Spelling: Madeleine Humphreys

Due to the Coronavirus pandemic, the American Commercial Realty office is closed. Our dedicated team is working from their homes, however we may not be able to respond as quickly as we would like under the circumstances. I want to nonetheless assure you that, despite any virus related obstacles, we will always be available to you by email, telephone or video conferencing.

Best Regards,

Brock T. Seidel | **American Commercial Realty Company**
Construction Manager
Office: 561 775 1300 * Direct: 561 515 5578 * Mobile: 574 242 0810
Email: BSeidel@amcomrealty.com

From: John Herbert <John.Herbert@nv5.com>
Sent: Tuesday, October 13, 2020 11:36 AM
To: Brock Seidel <bseidel@amcomrealty.com>
Subject: Pearl Britain Plaza CS 0393344-001

Brock,

Can you get an authorization letter for Madelene to sign for Horsepower?
This is the last piece needed for the permit approval.

Thank you,

John Herbert, PE | Project Engineer | **NV5**
201 South Bumby Ave | Orlando, FL 32803 | O: 407.896.3317 x00142

Electronic Communications Disclaimer

From: Abouelkheir, Mohamed [mailto:Mohamed.Abouelkheir@floridadep.gov]
Sent: Tuesday, October 13, 2020 9:40 AM
To: John Herbert <John.Herbert@nv5.com>
Subject: RE: 1 of 2 RE: Pearl Britain Plaza CS 0393344-001

No worries,
But the application was signed by :

Madelene Homephreus, Director
American Commercial Healty Corp, as Authorized agent for 2655 Horsepower, LLC

I need an authorization letter, and can you please double check the spelling I wrote, to make sure it's the right one to put into the permit,

Please LMK if you have any questions.

Best Regards

Mohamed Abouelkheir, MBA
Engineering Specialist
Permitting and Waste Cleanup Program
Florida Department of Environmental Protection
Central District – Orlando
3319 Maguire Blvd. Orlando, FL 32803
Direct: 407-897-2966
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Sent: Tuesday, October 13, 2020 8:37 AM
To: Abouelkheir, Mohamed <Mohamed.Abouelkheir@floridadep.gov>
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Mohamed Abouelkheir, MBA
Engineering Specialist

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Florida Department of Environmental Protection
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To: Abouelkheir, Mohamed <Mohamed.Abouelkheir@floridadep.gov>
Subject: 1 of 2 RE: Pearl Britain Plaza CS 0393344-001

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See Attached.

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Dep Customer Survey

Dep Customer Survey

Dep Customer Survey

From: Miles Anderson
To: LeGros, Charles; DEP_CD
Subject: Tradewinds WWTF - Response letter 10-21-20
Date: Thursday, October 22, 2020 9:10:37 AM
Attachments: Tradewinds WWTF Response Letter - 10-21-20 S&S.pdf

---

Mr. LeGros,

See attached the response letter 10-21-20 for the Tradewinds WWTF. The operator is doing all he can to get the BOD and TSS readings down and balance the system. This will not happen overnight.. I would believe this will take months.
The actions listed in our Response letter 8-25-20 in comment 2 are being worked on daily.

Sincerely,

Miles Christian Anderson, PE
Miles Christian Anderson Consulting Engineers, Inc.
2403 SE 17th St Suite 502
Ocala, Fl 34471
352-629-5591 - Office
352-629-4402 - Fax
352-572-5776 - Cell

miles.anderson@mca-engineers.com

Miles Christian Anderson Consulting Engineers, Inc.
2403 SE 17th St., Suite 502
Ocala, FL 34471
Phone (352) 629-5591 Fax (352)629-4402
Email: miles.anderson@mca-engineers.com
CIVIL ** STRUCTURAL ** LAND PLANNING ** GOLF COURSE DESIGN

Date: 10-21-20

Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Tradewinds WWTF
Facility Name: Tradewinds WWTF
Facility ID: FLA010699
DEP Application No.: FLA010699-006-DW3P/NR

Dear Sirs/Madam,

Find attached the comments and responses and attachments of spreadsheets, Flow meter specifications and photos for the above referenced renewal permit below:

1. The submitted response and additional information did not provide reasonable assurance that the facility can meet the current total suspended solids and CBOD5 limits, and the pending total nitrogen (TN) effluent limit of 6.0 mg/L annual average for this facility which will be effective October 26, 2020. The Department's compliance assurance program will be contacting you to enter into an agreement with scheduled timeframes for corrective actions to meet these limits in an executed consent order. This agreement will provide the Department with the reasonable assurance necessary to issue the permit renewal. [62-4.070(1)]

RESPONSE: I have been informed by the owner of this facility that the Marion County Utilities and Tradewinds WWTF are in negotiations to decommission the wastewater treatment facility. More specifically the county shall be installing gravity and force mains with needed lift stations to collect and transmission the effluent from Tradewinds WWTF to the county Silver Springs Shores WWTF. The installation of pipes and lift stations shall be expected to be completed within 400 days, starting November 1st 2020.

2. The response provided groundwater nitrate data. The facility is also required to sample the effluent for nitrate annually. Provide these results for the last two years. If this sampling was not preformed, collect a sample now and report the results with your response to this letter. [62-610.510 and 62- 600.650(3)]

RESPONSE: See attached in Exhibit 1-2 the updated spreadsheet showing the nitrate test results taken monthly and averaged yearly.

3. From discussions with the Department's compliance assurance program, it is our understanding the facility plans to install a second compliance flow meter or modify the current

flow metering at the facility. Provide additional information so this change can be incorporated into the new permit, when issued. [62-600.200(25)(b)]

RESPONSE: See in the exhibit 2-2 the Flowmeter proposed to be installed at the plant. Installation shall be complete in the first week of October.

4. Provide documentation (i.e. pictures) that the following corrective actions have been completed so the Department can continue the permit renewal process:

a) The holding pond is overgrown and needs to be cleaned out.

b) Replace missing spray heads and test the operational capability of the spray field. Provide results. [62-620.610(7)]

RESPONSE:

a. See attached pictures of the cleanup activity of the overgrown of the vegetation of the holding pond in Exhibit 3-2. (Photo #1).

b. See attached photos of the spray field disked and leveling area in the south field. See also photos of the spray heads emitting treated effluent in the spray field and the area that the ground is being leveled to stop ponding. See Exhibit 4-2. (Photo #1 - #4).

Sincerely,

Miles Anderson P.E.
Florida Registered Engineer #39385

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY MILES C. ANDERSON, P.E. ON _10-22-20_ USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

File: Tradewinds WWTF Renewal - RESPONSE LETTER 10-21-20

Attachments: Exhibits 1-2; 2-2; 3-2; and 4-2.

Exhibit 1-2

Updated spread sheet, including Nitrate results and lab reports. Test results from 2018 to September 2020.

TRADEWINDS - CBOD, TSS, FECAL COLIFOM, CLORINE RESIDUAL, PH, AND TN GROUNDWATER MONITORING ANNUAL AVERAGE REPORT 2018 -2020 AND NITRATE TESTS RESULTS

YEAR	MONTH	CBOD	TSS	FECAL	PH	TRC	ANNL/AVG TOTAL NITROGEN	MO AVG TOTAL NITROGEN	PHOSPHORUS	GROUND WATER MONITORING WELL	
										NITRADE	TN (as N)
2018	MAY	2	8	1	7.7	>2.2	8.77	19.1	5		
	JUNE	2	5	1	7.6	>2.2	7.78	0.871	6.5	0.8	1.21++
	JULY	2	6	1	7.6	>2.2	7.71	1.93	3.8		
	AUGUST	3.8	27	15	7.6	>2.2	6.71	4.83	4.5	2.35	2.1++
	SEPT	2	4	4	7.6	>2.2	5.35	6.44	5.2		
	OCT	2	6	1	7.7	>2.2	5.5	11.4	4.7	2.51	2.3++
	NOV	2.3	6	1	7.6	>2.2	5.46	4.12	2.1		
	DEC	2	14	1	7.6	>2.2	5.82	7.94	3.4		
2019	JAN	54	29	1	7.7	>2.2	8.12	29	5.4	3.17	3.3++
	FEB	2	9	1	7.7	>2.2	8.08	1.49	2.2		
	MARCH	4.5	12	1	7.7	>2.2	8.66	16	2.9	3.17	3.3++
	APRIL	15.5	62	1	7.8	>2.2	10.29	29	4.8	3.67	4.55++
	Average:	7.84	15.67	2.5	7.66	>2.2	7.35	11.01	4.208	2.61	2.79++
COMPLY LIMITS										10	REPORT
2019	MAY	5.6	26	1	7.8	>2.2	12.21	34	6.4		
	JUNE	22	18	4	7.8	>2.2	15.14	36	4.2		
	JULY	5.6	48	3	7.8	>2.2	24	16.98	2.7		
	AUGUST	3.6	6	3	7.9	>2.2	17.45	10	1.9	2.73	3.4++
	SEPT	<2	2	1	7.9	>2.2	17.91	12	0.93		
	OCT	<2	3	1	8.2	>2.2	18.13	14	1.2	2.13	2.7++
	NOV	<2	4	1	7.9	>2.2	19.95	26	1.9		
	DEC	5	6	1	7.9	>2.2	21.29	24	3.6		
2020	JAN	16	42	1	8.1	>2.2	22.2	40	2.5	1.59	2.4++
	FEB	6.5	35	1	7.9	>2.2	26.3	50	5.5		
	MARCH	25	85	1	7.9	>2.2	29.2	51	9.7		
	APRIL	2	9	1	7.8	>2.2	30.2	41	6.2	1.69	1.6++
	Average:	7.61	23.67	2.61	7.91	>2.2	21.17	29.58	3.89	2.04	2.53++
Total 2018-2020 Average:		7.73	19.67	2.55	7.78	>2.2	14.26	20.30	4.05	2.33	2.66++
2020	MAY	60	23	1	7.8	>2.2	30.7	40	5.6		
	JUNE	4	15	7	7.8	>2.2	31.3	43	5.5		
	JULY	17	20	15	7.9	>2.2	34	57	6.7	1.17	0.83++
	AUGUST	52	57					57	6.8		
	SEPT	48	35					49	6.1		

NITRATE TEST RESULTS:

2018	JAN	0.73	2019	JAN	0.09	2020	JAN	0.1
	FEB	4.47		FEB	1.52		FEB	0.1
	MARCH	3.4		MARCH	0.11		MARCH	0.1
	APRIL	0.41		APRIL	0.15		APRIL	0.1
	MAY	0.11		MAY	0.22		MAY	0.1
	JUNE	0.11		JUNE	0.11		JUNE	0.1
	JULY	0.38		JULY	0.11		JULY	0.1
	AUGUST	0.9		AUGUST	0.11		AUGUST	0.25
	SEPT 26th	6.51		SEPT	no test		SEPT	0.13
	OCT	no test		OCT 29th	0.1		OCT	
	NOV 28th	no test		NOV 13th	0.1		NOV	
	DEC 18th	13.3		DEC 10th	0.1		DEC	
	Average 10 tests	3.032		Average 11 tests	0.25		Average 9 tests	0.12

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **18344**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 01/24/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
18344A	EFA-1	01/24/18	1420	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/24/18	4:43 PM
18344B	EFA-1	01/24/18	1420	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	01/25/18	10:08 AM
				TSS in (1) mg/L by SM2540D	7		01/26/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.73		01/25/18	4:25 PM
18344C	EFA-1	01/24/18	1420	Total Nitrogen in (0.004) mg/L by Calculation	1.4	‡	02/05/18	
				TKN in (0.050) mg/L by EPA351.2	1.2	‡	02/02/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	0.20	‡	02/01/18	
				Total Phosphorus as P in (0.050) mg/L by EPA365.4	3.6	‡	02/02/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

Respectfully Submitted by: REPRINTED 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: February 13, 2018

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **18705**

System Name: **Tradewinds Utilities FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 02/22/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
18705A	Efa-1	02/22/18	1250 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	02/22/18	4:49 PM
18705B	Efa-1	02/22/18	12:50 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	02/22/18	5:09 PM
				TSS in (1) mg/L by SM2540D	7		02/23/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	4.47		02/22/18	4:42 PM
18705C	Efa-1	02/22/18	12:50 PM	Total Nitrogen in (0.004) mg/L by Calculation	1.96	‡	03/08/18	
				TKN in (0.050) mg/L by EPA351.2	1.7	‡	03/07/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	0.26	‡	03/06/18	
				Total Phosphorus as P in (0.050) mg/L by EPA365.4	2.4	‡	03/07/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

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Respectfully Submitted by: REPRINTED 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: March 20, 2018

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **181091**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 03/28/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
181091A	Efa-1	03/28/18	1450	Fecal Coliform in (1 colony) #/100mLs by SM9222D	4	U	03/28/18	4:51 PM
181091B	Efa-1	03/28/18	1450	CBOD(5 day) in (2.0) mg/L by SM5210B	2.9		03/29/18	1:30 PM
				TSS in (1) mg/L by SM2540D	8		03/30/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	3.40		03/29/18	4:25 PM
181091C	Efa-1	03/28/18	1450	Total Nitrogen in (0.004) mg/L by Calculation	9.1	‡	04/12/18	
				TKN in (0.050) mg/L by EPA351.2	1.2	‡	04/11/18	
				Nitrate+Nitrite as N in (0.08) mg/L by SM4500NO3-F	7.9	‡	04/12/18	
				Total Phosphorus as P in (0.050) mg/L by EPA365.4	3.6	‡	04/11/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
Detection limit for fecal coliform elevated due to sample dilution.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
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The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

Respectfully Submitted by: REPRINTED MM 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: April 24, 2018

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **181486**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 04/25/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
181486A	Efa-1	04/25/18	1440	Fecal Coliform in (1 colony) #/100mLs by SM9222D	5		04/25/18	5:18 PM
181486B	Efa-1	04/25/18	1440	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	04/26/18	5:50 PM
				TSS in (1) mg/L by SM2540D	9		04/27/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.41	I	04/26/18	5:37 PM
181486C	Efa-1	04/25/18	1440	Total Nitrogen in (0.004) mg/L by Calculation	1.22	‡	05/10/18	
				TKN in (0.050) mg/L by EPA351.2	1.0	‡	05/07/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	0.22	‡	05/10/18	
				Total Phosphorus as P in (0.050) mg/L by EPA365.4	2.2	‡	05/07/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

Respectfully Submitted by: REPRINTED 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: May 29, 2018

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **182374**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 06/28/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
182374A	Efa-1	06/28/18	1420	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	06/28/18	4:47 PM
182374B	Efa-1	06/28/18	1420	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	06/28/18	4:53 PM
				TSS in (1) mg/L by SM2540D	5		06/29/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.11	I	06/28/18	4:35 PM
182374C	Efa-1	06/28/18	1420	Total Nitrogen in (0.004) mg/L by Calculation	0.871	‡	07/17/18	
				TKN in (0.050) mg/L by EPA351.2	0.80	‡	07/16/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	0.071	‡	07/10/18	
				Total Phosphorus as P in (0.25) mg/L by EPA365.4	6.5	‡	07/16/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

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Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: July 25, 2018

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **182904**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 07/31/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
182904A	Efa-1	07/31/18	1455 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	07/31/18	5:02 PM
182904B	Efa-1	07/31/18	1455 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	08/01/18	2:04 PM
				TSS in (1) mg/L by SM2540D	6		08/03/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.38	I	08/01/18	4:08 PM
182904C	Efa-1	07/31/18	1455 PM	Total Nitrogen in (0.004) mg/L by Calculation	1.93	‡	08/15/18	
				TKN in (0.050) mg/L by EPA351.2	1.6	‡	08/08/18	
				Nitrate+Nitrite as N in (0.004) mg/L by SM4500NO3-F	0.33	‡	08/14/18	
				Total Phosphorus as P in (0.050) mg/L by EPA365.4	3.8	‡	08/08/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
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The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: August 23, 2018

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **183542**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 08/28/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
183542A	Efa-1	08/28/18	1105 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	15		08/28/18	2:58 PM
183542B	Efa-1	08/28/18	1105 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	3.8		08/29/18	4:51 PM
				TSS in (1) mg/L by SM2540D	27		08/31/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.90		08/28/18	4:46 PM
183542C	Efa-1	08/28/18	1105 AM	Total Nitrogen in (0.05) mg/L by Calculation	4.38	‡	09/12/18	
				TKN in (0.050) mg/L by EPA351.2	3.4	‡	09/10/18	
				Nitrate+Nitrite as N in (0.04) mg/L by SM4500NO3-F	0.98	‡	09/04/18	
				Total Phosphorus as P in (0.050) mg/L by EPA365.4	4.5	‡	09/10/18	

‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

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Respectfully Submitted by: PRINTED MM 8-2620
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: September 24, 2018

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **184062**

System Name: **Tradewinds Fla010699**
Sampler Name: Steve McGee
Date Sample Received: 09/26/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
184062B	Efa-1	09/26/18	1500	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	09/27/18	4:16 PM
				TSS in (1) mg/L by SM2540D	4		09/28/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	6.51		09/27/18	4:26 PM
184062C	Efa-1	09/26/18	1500	Total Nitrogen in (0.05) mg/L by Calculation	6.44	‡	10/11/18	
				TKN in (0.050) mg/L by EPA351.2	0.64	‡	10/09/18	
				Nitrate+Nitrite as N in (0.04) mg/L by SM4500NO3-F	5.8	‡	10/09/18	
				Total Phosphorus as P in (0.10) mg/L by EPA365.4	5.2	‡	10/09/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

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This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: PRINT 7474 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: October 19, 2018

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **185015**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 11/28/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
185015A	Efa-1	11/28/18	1440	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	11/28/18	4:57 PM
185015B	Efa-1	11/28/18	1440	CBOD(5 day) in (2.0) mg/L by SM5210B	2.3		11/29/18	4:02 PM
				TSS in (1) mg/L by SM2540D	6		11/30/18	
185015C	Efa-1	11/28/18	1440	Total Nitrogen in (0.05) mg/L by Calculation	4.12	‡	12/11/18	
				TKN in (0.050) mg/L by EPA351.2	3.6	‡	12/07/18	
				Nitrate+Nitrite as N in (0.04) mg/L by SM4500NO3-F	0.52	‡	12/04/18	
				Total Phosphorus as P in (0.050) mg/L by EPA365.4	2.1	‡	12/07/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

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Respectfully Submitted by: PRINTED MM 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: December 21, 2018

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **185244**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 12/18/18

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
185244A	Efa-1	12/18/18	1440	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	12/18/18	4:40 PM
185244B	Efa-1	12/18/18	1440	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	12/19/18	1:07 PM
				TSS in (1) mg/L by SM2540D	14		12/21/18	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	13.3		12/19/18	4:08 PM
185244C	Efa-1	12/18/18	1440	Total Nitrogen in (0.04) mg/L by Calculation	7.94	‡	01/03/19	
				TKN in (0.085) mg/L by EPA351.2	0.34	‡	01/03/19	
				Nitrate+Nitrite as N in (0.04) mg/L by SM4500NO3-F	7.6	‡	12/31/18	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	3.4	‡	01/03/19	
185244D	Influent	12/18/18	1440	CBOD(5 day) in (2.0) mg/L by SM5210B	177		12/19/18	1:07 PM
				TSS in (1) mg/L by SM2540D	494		12/21/18	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: [illegible]RINTED 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: January 9, 2019

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **19388**

System Name: **Tradewinds FLA010697**
Sampler Name: Steve McGee
Date Sample Received: 01/31/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
19388A	Efa-1	01/31/19	1450	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/31/19	4:57 PM
19388B	Efa-1	01/31/19	1450	CBOD(5 day) in (2.0) mg/L by SM5210B	54.0	J	01/31/19	4:54 PM
				TSS in (1) mg/L by SM2540D	29		02/01/19	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.09	I	01/31/19	4:39 PM
19388C	Efa-1	01/31/19	1450	Total Nitrogen in (0.04) mg/L by Calculation	29	‡	02/07/19	
				TKN in (0.85) mg/L by EPA351.2	29	‡	02/06/19	
				Nitrate+Nitrite as N in (0.04) mg/L by SM4500NO3-F	0.04	U ‡	02/05/19	
				Total Phosphorus as P in (0.11) mg/L by EPA365.4	5.7	‡	02/06/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
J - Estimated value; value reported may be lower than true value due to complete oxygen depletion.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

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Respectfully Submitted by: _____ mm 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: February 13, 2019

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **19763**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 02/27/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
19763A	Efa-1	02/27/19	1150 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	02/27/19	4:14 PM
19763B	Efa-1	02/27/19	1150 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	02/27/19	4:33 PM
				TSS in (1) mg/L by SM2540D	9		03/01/19	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	1.52		02/27/19	4:04 PM
19763C	Efa-1	02/27/19	1150 AM	Total Nitrogen in (0.04) mg/L by Calculation	1.49	‡	03/11/19	
				TKN in (0.085) mg/L by EPA351.2	1.2	‡	03/06/19	
				Nitrate+Nitrite as N in (0.04) mg/L by SM4500NO3-F	0.29	‡	03/04/19	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	2.2	‡	03/06/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

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This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: PRINTED MJM 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: March 14, 2019

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **191090**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 03/26/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
191090A	Efa-1	03/26/19	1350	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	03/26/19	5:00 PM
191090B	Efa-1	03/26/19	1350	CBOD(5 day) in (2.0) mg/L by SM5210B	4.5		03/27/19	1:29 PM
				TSS in (1) mg/L by SM2540D	12		03/29/19	
				Nitrate as N in (0.05) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.11	I	03/26/19	4:22 PM
191090C	Efa-1	03/26/19	1350	Total Nitrogen in (0.42) mg/L by Calculation	16	‡	04/09/19	
				TKN in (0.42) mg/L by EPA351.2	16	‡	04/02/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U ‡	03/29/19	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	2.9	‡	04/02/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: REPRINT 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: April 12, 2019

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **191557**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 04/24/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
191557A	EFA-1	04/24/19	1350	Fecal Coliform in (1 colony) #/100mLs by SM9222D	100		04/24/19	5:10 PM
191557B	EFA-1	04/24/19	1350	CBOD(5 day) in (2.0) mg/L by SM5210B	15.5		04/26/19	9:58 AM
				TSS in (1) mg/L by SM2540D	62		04/26/19	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.15	I	04/26/19	9:24 AM
191557C	EFA-1	04/24/19	1350	Total Nitrogen in (0.85) mg/L by Calculation	29	‡	05/07/19	
				TKN in (0.85) mg/L by EPA351.2	29	‡	05/02/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U ‡	04/29/19	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	4.8	‡	05/02/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: PRINT 7m 8.26.20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: May 13, 2019

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **192003**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 05/29/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
192003A	Efa-1	05/29/19	1250 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	05/29/19	4:40 PM
192003B	Efa-1	05/29/19	1250 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	5.6		05/29/19	4:38 PM
				TSS in (1) mg/L by SM2540D	26		05/31/19	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.22	I	05/30/19	4:31 PM
192003C	Efa-1	05/29/19	1250 PM	Total Nitrogen in (0.085) mg/L by Calculation	34	‡	06/11/19	
				TKN in (0.85) mg/L by EPA351.2	34	‡	06/05/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U J ‡	06/07/19	
				Total Phosphorus as P in (0.28) mg/L by EPA365.4	6.4	‡	06/05/19	

J - The matrix spike/duplicate recovery for NOx for 192003 was outside control criteria @ 83 & 85%.
Recoveries in the Laboratory Control Sample (LCS), which indicates the analytical batch was in control.
The matrix spike/duplicate outlier suggests a potential low bias in this matrix. Sample was qualified.
U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: [illegible] 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: June 17, 2019

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **192396**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 06/26/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
192396A	Efa-1	06/26/19	1255 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	4		06/26/19	5:01 PM
192396B	Efa-1	06/26/19	1255 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	22.0		06/26/19	4:31 PM
				TSS in (1) mg/L by SM2540D	18		06/28/19	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	06/26/19	4:31 PM
192396C	Efa-1	06/26/19	1255 PM	Total Nitrogen in (0.18) mg/L by Calculation	36	‡	07/05/19	
				TKN in (0.85) mg/L by EPA351.2	36	‡	07/02/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U ‡	07/01/19	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	4.2	‡	07/02/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

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This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: PRINTED ZMM 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: July 8, 2019

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **192814**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 07/30/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
192814A	Efa-1	07/30/19	1255	Fecal Coliform in (1 colony) #/100mLs by SM9222D	3		07/30/19	4:42 PM
192814B	Efa-1	07/30/19	1255	CBOD(5 day) in (2.0) mg/L by SM5210B	5.6		07/31/19	11:54 AM
				TSS in (1) mg/L by SM2540D	48		08/02/19	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.11	I	07/31/19	4:11 PM
192814C	Efa-1	07/30/19	1255	Total Nitrogen in (0.18) mg/L by Calculation	24	‡	08/08/19	
				TKN in (0.85) mg/L by EPA351.2	24	‡	08/07/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U ‡	08/05/19	
				Total Phosphorus as P in (0.11) mg/L by EPA365.4	2.7	‡	08/07/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: August 13, 2019

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **193261**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 08/28/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
193261A	Efa-1	08/28/19	1400	Fecal Coliform in (1 colony) #/100mLs by SM9222D	3		08/28/19	4:08 PM
193261B	Efa-1	08/28/19	1400	CBOD(5 day) in (2.0) mg/L by SM5210B	3.6		08/29/19	11:04 AM
				TSS in (1) mg/L by SM2540D	6		08/30/19	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.11	I	08/29/19	4:17 PM
193261C	Efa-1	08/28/19	1400	Total Nitrogen in (0.18) mg/L by Calculation	10	‡	09/11/19	
				TKN in (0.085) mg/L by EPA351.2	1.1	‡	09/06/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	9.0	‡	09/06/19	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	1.9	‡	09/06/19	

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

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Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: September 16, 2019

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **193659**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 09/25/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
193659A	Efa-1	09/25/19	1340	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U J	09/25/19	4:56 PM
193659B	Efa-1	09/25/19	1340	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	09/25/19	4:21 PM
				TSS in (1) mg/L by SM2540D	2		09/27/19	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.11	I	09/26/19	4:16 PM
193659C	Efa-1	09/25/19	1340	Total Nitrogen in (0.18) mg/L by Calculation	12	‡	10/04/19	
				TKN in (0.42) mg/L by EPA351.2	12	‡	10/02/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U ‡	10/03/19	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	0.93	‡	10/02/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
J - Estimated value; presence of chlorine.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: October 9, 2019

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **194078**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 10/29/19

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
194078A	Efa-1	10/29/19	1205 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	10/29/19	4:52 PM
194078B	Efa-1	10/29/19	1205 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0	U	10/30/19	9:53 AM
				TSS in (1) mg/L by SM2540D	3		11/01/19	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	10/30/19	4:22 PM
194078C	Efa-1	10/29/19	1205 PM	Total Nitrogen in (0.18) mg/L by Calculation	14	‡	11/12/19	
				TKN in (0.42) mg/L by EPA351.2	14	‡	11/06/19	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U ‡	11/08/19	
				Total Phosphorus as P in (0.055) mg/L by EPA365.4	1.2	‡	11/06/19	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: PRINT MM 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: November 18, 2019

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **20249**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 01/22/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
20249A	Efa-1	01/22/20	1300	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	01/22/20	4:48 PM
20249B	Efa-1	01/22/20	1300	CBOD(5 day) in (2.0) mg/L by SM5210B	16.0		01/23/20	9:24 AM
				TSS in (1) mg/L by SM2540D	42		01/24/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	01/23/20	4:24 PM
20249C	Efa-1	01/22/20	1300	Total Nitrogen in (0.18) mg/L by Calculation	40	‡	02/04/20	
				TKN in (0.85) mg/L by EPA351.2	40	‡	02/03/20	
				Nitrate+Nitrite as N in (0.9) mg/L by SM4500NO3-F	0.9	U ‡	01/24/20	
				Total Phosphorus as P in (0.11) mg/L by EPA365.4	2.5	‡	02/03/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: February 7, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **20731**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 02/25/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
20731A	Efa-1	02/25/20	1250 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U J	02/25/20	4:53 PM
20731B	Efa-1	02/25/20	1250 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	6.5		02/26/20	11:45 AM
				TSS in (1) mg/L by SM2540D	35		02/28/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	02/25/20	4:09 PM
20731C	Efa-1	02/25/20	1250 PM	Total Nitrogen in (0.18) mg/L by Calculation	50	‡	03/12/20	
				TKN in (3.4) mg/L by EPA351.2	50	‡	03/04/20	
				Nitrate+Nitrite as N in (0.88) mg/L by SM4500NO3-F	0.88	U ‡	03/09/20	
				Total Phosphorus as P in (0.11) mg/L by EPA365.4	5.5	‡	03/04/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
J - Estimated value; presence of chlorine.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: March 30, 2020

Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **201140**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 03/19/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
201140A	Eff-1	03/19/20	1255 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	03/19/20	4:20 PM
201140B	Efa-1	03/19/20	12:55 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	25.0		03/19/20	4:36 PM
				TSS in (1) mg/L by SM2540D	85		03/20/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	03/19/20	4:34 PM
201140C	Efa-1	03/19/20	12:55 PM	Total Nitrogen in (0.18) mg/L by Calculation	51	‡	04/02/20	
				TKN in (3.4) mg/L by EPA351.2	50	‡	03/25/20	
				Nitrate+Nitrite as N in (0.88) mg/L by SM4500NO3-F	0.88	U ‡	03/31/20	
				Total Phosphorus as P in (0.11) mg/L by EPA365.4	9.7	‡	03/25/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: April 13, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **201607**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 04/22/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
201607A	Efa-1	04/22/20	1230 PM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	04/22/20	4:48 PM
201607B	Efa-1	04/22/20	1230 PM	CBOD(5 day) in (2.0) mg/L by SM5210B	2.0		04/23/20	9:57 AM
				TSS in (1) mg/L by SM2540D	9		04/24/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	04/23/20	4:11 PM
201607C	Efa-1	04/22/20	1230 PM	Total Nitrogen in (0.075) mg/L by Calculation	41	‡	05/06/20	
				TKN in (1.7) mg/L by EPA351.2	41	‡	04/29/20	
				Nitrate+Nitrite as N in (0.88) mg/L by SM4500NO3-F	0.88	U ‡	05/01/20	
				Total Phosphorus as P in (0.11) mg/L by EPA365.4	6.2	‡	04/29/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: May 13, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report

Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **201892**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 05/13/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
201892A	Efa-1	05/13/20	1140 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	05/13/20	4:55 PM
201892B	Efa-1	05/13/20	1140 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	60.0	J	05/13/20	4:41 PM
				TSS in (1) mg/L by SM2540D	23		05/15/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.17	I	05/14/20	4:20 PM
201892C	Efa-1	05/13/20	1140 AM	Total Nitrogen in (0.075) mg/L by Calculation	40	‡	05/26/20	
				TKN in (1.7) mg/L by EPA351.2	40	‡	05/20/20	
				Nitrate+Nitrite as N in (0.88) mg/L by SM4500NO3-F	0.88	U ‡	05/22/20	
				Total Phosphorus as P in (0.11) mg/L by EPA365.4	5.6	‡	05/20/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
J - Estimated value; value reported may be lower than true value due to complete oxygen depletion.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: PRINT MM 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: June 2, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **202438**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 06/24/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
202438A	Efa-1	06/24/20	0950 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	75	B	06/24/20	3:36 PM
202438B	Efa-1	06/24/20	0950 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	4.0		06/24/20	3:29 PM
				TSS in (1) mg/L by SM2540D	15		06/26/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	06/24/20	4:04 PM
202438C	Efa-1	06/24/20	0950 AM	Total Nitrogen in (0.075) mg/L by Calculation	43	‡	07/06/20	
				TKN in (8.0) mg/L by EPA351.2	43	‡	07/01/20	
				Nitrate+Nitrite as N in (0.50) mg/L by SM4500NO3-F	0.50	U ‡	06/29/20	
				Total Phosphorus as P in (1.0) mg/L by EPA365.4	5.5	‡	07/01/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
B - Result based upon colony count outside the acceptable range.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: PRINT 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: July 7, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **202783**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 07/16/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
202783A	Efa-1	07/16/20	1020 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	93	B	07/16/20	5:11 PM
202783B	Efa-1	07/16/20	1020 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	17.0		07/16/20	4:34 PM
				TSS in (1) mg/L by SM2540D	20		07/17/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	07/16/20	4:28 PM
202783C	Efa-1	07/16/20	1020 AM	Total Nitrogen in (0.075) mg/L by Calculation	57	‡	07/30/20	
				TKN in (16) mg/L by EPA351.2	57	‡	07/22/20	
				Nitrate+Nitrite as N in (0.50) mg/L by SM4500NO3-F	0.50	U ‡	07/29/20	
				Total Phosphorus as P in (1.0) mg/L by EPA365.4	6.7	‡	07/22/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
B - Result based upon colony count outside the acceptable range.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: August 7, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **202783**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 07/16/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
202783A	Efa-1	07/16/20	1020 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	93	B	07/16/20	5:11 PM
202783B	Efa-1	07/16/20	1020 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	17.0		07/16/20	4:34 PM
				TSS in (1) mg/L by SM2540D	20		07/17/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.10	U	07/16/20	4:28 PM
202783C	Efa-1	07/16/20	1020 AM	Total Nitrogen in (0.075) mg/L by Calculation	57	‡	07/30/20	
				TKN in (16) mg/L by EPA351.2	57	‡	07/22/20	
				Nitrate+Nitrite as N in (0.50) mg/L by SM4500NO3-F	0.50	U ‡	07/29/20	
				Total Phosphorus as P in (1.0) mg/L by EPA365.4	6.7	‡	07/22/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
B - Result based upon colony count outside the acceptable range.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: _____ 8-26-20
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: August 7, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **203527**

System Name: **Tradewinds Fla010699**
Sampler Name: Steve McGee
Date Sample Received: 08/25/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
203527A	Efa-1	08/25/20	1110 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	4	U	08/25/20	4:33 PM
203527B	Efa-1	08/25/20	1110 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	52.0	J	08/26/20	11:44 AM
				TSS in (1) mg/L by SM2540D	57		08/28/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.25	I	08/25/20	4:31 PM
203527C	Efa-1	08/25/20	1110 AM	Total Nitrogen in (0.12) mg/L by Calculation	57	‡	09/10/20	
				TKN in (8.0) mg/L by EPA351.2	57	‡	08/31/20	
				Nitrate+Nitrite as N in (0.50) mg/L by SM4500NO3-F	0.50	U ‡	08/31/20	
				Total Phosphorus as P in (1.0) mg/L by EPA365.4	6.8	‡	08/31/20	

Detection limit for fecal coliform elevated due to sample dilution.
U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
J - Estimated value; value reported may be lower than true value due to complete oxygen depletion.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.
Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

Respectfully Submitted by: Michael P. Morse
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: September 15, 2020

Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Laboratory Analytical Report
Florida DOH Laboratory Certification # E83265

Steve General Maintenance
Attn: Steve McGee
3660 SE 173rd Terrace
Ocklawaha, Florida 32179

Submission Number: **204102**

System Name: **Tradewinds FLA010699**
Sampler Name: Steve McGee
Date Sample Received: 09/29/20

Sample Number	Sample Location	Date Collected	Time Collected	Parameter / (mdl) Units / Method	Result	DQ	Analysis Date	Analysis Time
204102A	EFA-1	09/29/20	1020 AM	Fecal Coliform in (1 colony) #/100mLs by SM9222D	1	U	09/29/20	4:56 PM
204102B	EFA-1	09/29/20	1020 AM	CBOD(5 day) in (2.0) mg/L by SM5210B	48.0		09/30/20	9:31 AM
				TSS in (1) mg/L by SM2540D	35		10/02/20	
				Nitrate as N in (0.10) mg/L by EPA353.2 Calc ((NO3+NO2)-NO2)	0.13	I	09/29/20	3:46 PM
204102C	EFA-1	09/29/20	1020 AM	Total Nitrogen in (0.12) mg/L by Calculation	49	‡	10/12/20	
				TKN in (16) mg/L by EPA351.2	49	‡	10/02/20	
				Nitrate+Nitrite as N in (0.50) mg/L by SM4500NO3-F	0.50	U ‡	10/06/20	
				Total Phosphorus as P in (1.0) mg/L by EPA365.4	6.1	‡	10/02/20	

U - The compound was analyzed, but not detected; < laboratory method detection limit.
‡ - Analysis performed by AEL # E82574 E84589 E82001 E82535.
I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier
The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 355-2383.

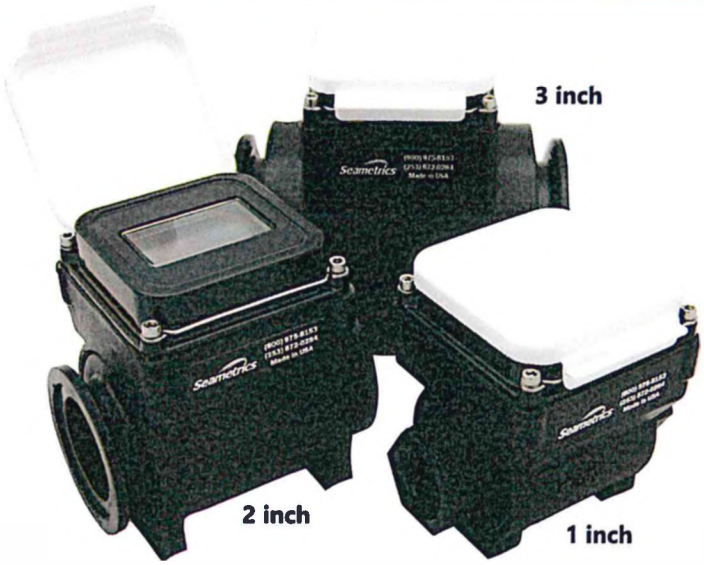
Respectfully Submitted by: Michael Morse
Lisa K. Saupp, Charles B. Saupp, or Michael Morse Technical Director
Date: October 13, 2020

Exhibit 2-2

Flowmeter specifications for: SEAMETRICS WMP-Series 104

WMP-Series
PLASTIC-BODIED MAGMETER

Seametrics
Precision Flow Measurement
An ONICON Brand



APPLICATIONS

Industrial wastewater discharge

Grey water

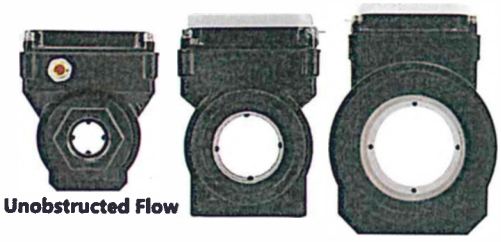
Well monitoring

Irrigation

Mining

Features

- No moving parts
- Minimal straight pipe required
- Battery powered
- Built-in rate & total indicator
- Corrosion resistant
- Pulse output (WMP101 only)



Contact Your Supplier

The WMP-Series is a full-bore, plastic-bodied electromagnetic flow meter designed for flow and usage monitoring applications in 1, 2 and 3 inch pipe. The polypropylene flow tube offers corrosion resistance to a wide range of chemicals and fertilizers. It is light weight and easy to install or remove from the pipe for inspection.

With no moving parts, the magmeter permits unobstructed flow, minimizing flow disturbances and straight pipe requirements. The WMP-Series can be used in piping configurations where there is little space between the meter and an elbow or valve. The WMP-Series is resistant to wear from sand and debris found in ground or surface water. Since there are no bearings or propeller to wear out, maintenance and repair costs are kept to a minimum and it tolerates high flows without damage.

A hinged polyethylene cover is included that protects from dust and UV rays, while permitting easy access to the flow rate and total display. The electronics housing can be fitted with cross-drilled screws and seal wire for tamper-evidence. Flow rate and total can be displayed in a variety of units, customer-selected and factory-set.

The **WMP101** is externally powered via a 5-pin connector cable (20ft/6m) which also provides pulse output for use with a variety of Seametrics and other displays and controls for remote reading, data logging, pulse-to-analog conversion, and telemetry applications.

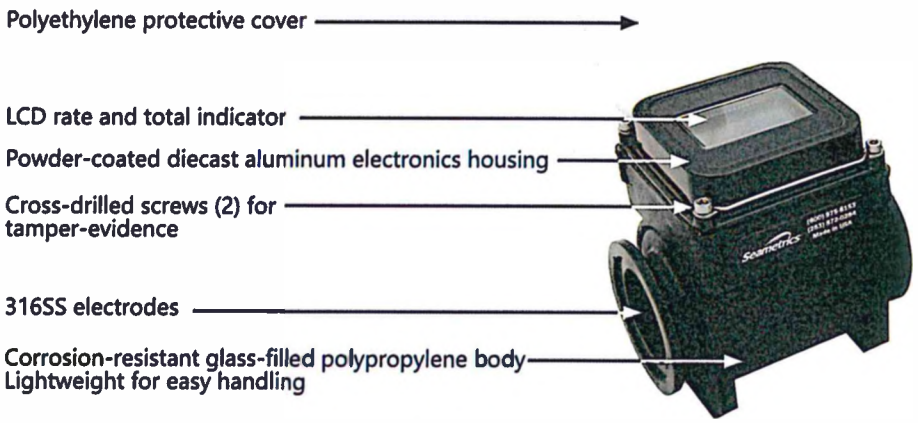
The **WMP104** is a battery-operated unit for use when pulse output is not required. The standard batteries are user replaceable with an approximate 1 year life depending on usage. An extended battery life option offers an estimated 2-4 year life depending on usage.

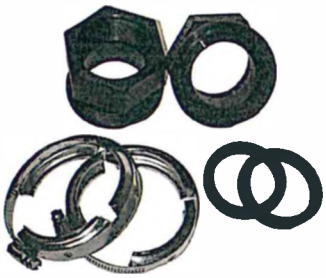
In the event of DC power loss, or when changing batteries, the WMP will retain internal settings and flow total.

ISO 9001:2008

PROUDLY MADE IN THE USA

Features





Seametrics Fitting Kit for 2 & 3 inch model

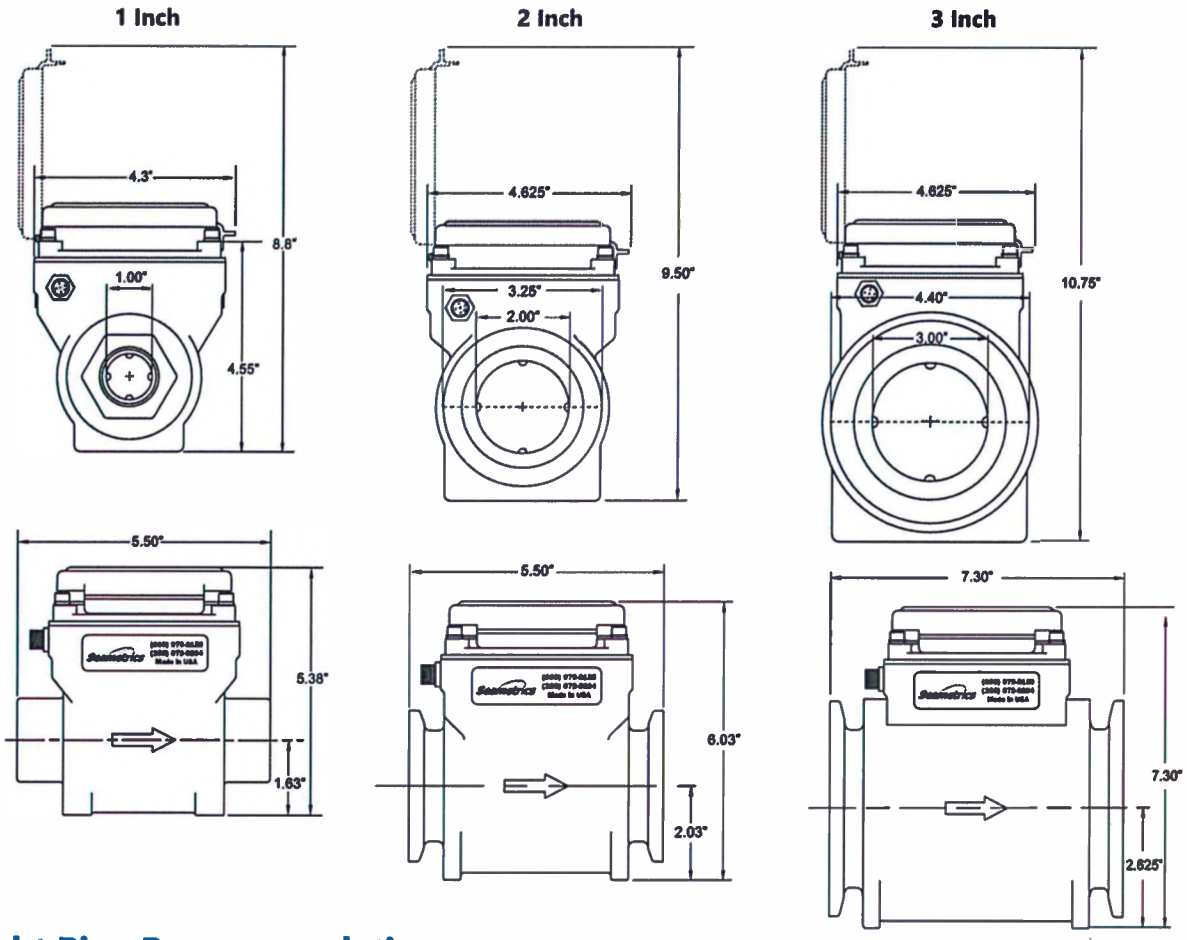
Specifications*

Pipe Size		1, 2, or 3 inch full port			
Fittings		1 inch NPTF, 2 or 3 inch flange clamps with 2 or 3 inch NPTF fitting kit			
Pressure		150 psi or 10.3 bar working pressure @ 70° F			
Operating Temperature Range		Operating: 10° to 130° F (-12° to 54° C), Non-operating: -40° to 176° F (-40° to 80° C)			
Accuracy		±1% of reading (between 10% and 100% of maximum flow) ±3% of reading (between cutoff and 10% of maximum flow)			
Flow Range	**Minimum**	**1":** 2.3 gpm (0.145 l/s)	**2":** 6 gpm (0.38 l/s)	**3":** 14 gpm (0.88 l/s)	
	Maximum	**1":** 110 gpm (6.94 l/s)	**2":** 300 gpm (18.9 l/s)	**3":** 670 gpm (42.3 l/s)	
Materials	**Body**	Glass-filled polypropylene			
	Electrodes	316 stainless steel			
	Electronics Housing	Power coated diecast aluminum			
	Display Cover	Polyethylene			
Display		**Rate**		**Total**	
	Digits	6		8	
	Units	Gallons/Minute, Million Gallons/Day, Cubic Feet/Second, Cubic Feet/Minute, Liters/Second, Liters/Minute, Million Liters/Day, Cubic Meters/Minute, Cubic Meters/Hour		Acre-Feet, Acre-Inch, Gallons, Gallons x 1000, Cubic Feet, Liters, Megaliters, Cubic Meters, Cubic Meters x 1000	
Security		Cross-drilled screws and tamper-evident seal (optional)			
Power	**WMP101**	10–30 Vdc @ 60 mA maximum (15 mA average) Note: Using an unregulated power supply >18 Vdc may damage the meter due to AC line input voltage fluctuation.			
	WMP104	6 - AA 1.5V lithium cells, replaceable. Estimated life is 1 year depending on usage (standard) 2 - C 3.6V lithium batteries, replaceable. Estimated life is 2–4 years depending on usage (extended battery life opt)			
Pulse Output Signal (WMP101 only)		Current sinking pulse, opto-isolated, 32 Vdc maximum @ 10mA maximum			
Pulse Rate (WMP101 only)	**Low Frequency (-PxU)**	1 unit/pulse out, pulse width of 10 ms, depending on unit selection			
	High Frequency (-HF)	**1"**	**2"**	**3"**	Pulse width 1.1 ms, min–max frequency, 3–150 Hz
	Pulse/Gal	80	30	13	
	Pulse/Liter	21.14	7.93	3.44	
Empty Pipe Detection		Hardware/software, conductivity based			
Conductivity		>20 microSiemens/cm			
Environmental		NEMA 3X, IP64			
Electrical Connection (WMP101 only)		5-pin male circular connector, mates to industry standard cable			

**Specifications subject to change • Please consult our website for current data (seametrics.com).*

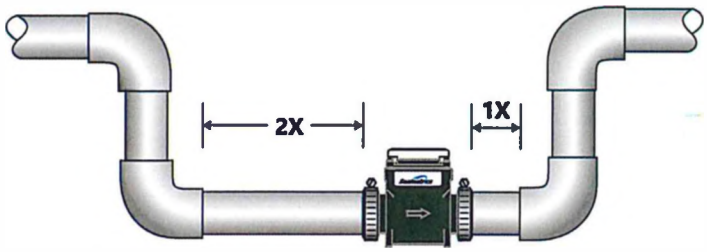
Dimensions

Dimensions shown without the Seametrics WMP Fitting Kit.



Straight Pipe Recommendations

Minimal straight pipe required between elbows. For other piping configurations, see instruction manual or consult factory.



Flow Range

	1"		2"		3"	
	Gal/Min	Liter/Sec	Gal/Min	Liter/Sec	Gal/Min	Liter/Sec
Minimum	2.3	0.145	6	0.38	14	0.88
Maximum	110	6.94	300	18.9	670	42.3

How to Order

MODEL

External Power = WMP101

Battery Power = WMP104

SIZE

1" = -100

2" = -200

3" = -300

OPTIONS

Tamper-evident seal, screws, and wire = -32

Extended Battery Life = -133
(WMP104 Only)

*High frequency output = -HF
(WMP101 Only)

BSP fittings = -93

*See specifications for default.

UNITS

Rate		*Total*	
Gal/Min	= GPM	Gal	= G
Liters/Sec	= LPS	Gal x 1000	= GT
Liter/Min	= LPM	Cubic Feet	= CF
Cu Ft/Sec	= CFS	Acre Inch	= AI
Cu Ft/Min	= CFM	Acre Feet	= AF
Cu Met/Min	= CMM	Liter	= L
Cu Met/Hr	= CMH	Mega Liters	= ML
Mil Gal/Day	= MGD	Cubic Meters	= CM
Mil Lit/Day	= MLD	Cu Met x 1000	= CMT

Consult factory for additional units.

ACCESSORIES

Remote 4-20 mA (analog) signal = AO55W *(-HF Option Required, WMP101 Only)*

Remote Rate and Total Indicator (DC powered) = FT430W *(-HF Option Required, WMP101 Only)*

Remote Rate and Total Indicator (Loop powered) = FT440W *(-HF Option Required, WMP101 Only)*

Remote Data Logger = DL76W *(WMP101 Only)*

2" Fitting Kit, FNPT Flange Clamps = 101222

2" Fitting Kit, BSP Flange Clamps = 102203

3" Fitting Kit, FNPT Flange Clamps = 102073

3" Fitting Kit, BSP Flange Clamps = 102204

Exhibit 3-2

Photos of Holding Pond treated with weed killer 10-20-20 (photo #1)

#1



Holding pond - Vegetation removed
of weeds killed.

Exhibit 4-2

Photos of Tradewinds WWTF spray field disked and leveled area in south section of field (photos 1 and 2 of disked and leveled area, and photos 3 south field looking to the north and 4 of spray field heads south field looking north at replaced missing spray head, all spray heads emitting treated effluent)

#1



#2



#3



#4



FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

February 5, 2021

Charles DeMenzes, President
Tradewinds Utilities Inc.
2925 NE 43rd Pl
Ocala, Florida 34478
charlie@altfo.com

Re: Tradewinds WWTF
DW Facility ID #FLA010699
OGC Case No: 20-1413
Marion County

Dear Mr. DeMenzes:

Enclosed is a Consent Order ("Order") prepared by the Department for resolution of the referenced enforcement case. Please review this document and within 10 days of receipt, either: 1) return a signed copy to the Department or 2) provide comments and suggested changes. Once fully executed, a copy of the final document will be forwarded to you.

Should you have any questions or comments, please contact Carolyn Hall at 407-897-4114 or via e-mail at Carolyn.X.Hall@FloridaDEP.gov.

Sincerely,

Aaron Watkins, Director
Central District

Enclosure: Consent Order

cc: utilitiesmanagementteam@gmail.com

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	)	IN THE OFFICE OF THE CENTRAL DISTRICT
v.	)	OGC FILE NO. 20-1413
TRADEWINDS UTILITIES, INC	)	

CONSENT ORDER

This Consent Order ("Order") is entered into between the State of Florida Department of Environmental Protection ("Department") and Tradewinds Utilities Inc ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and Respondent admits the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to protect Florida's air and water resources and to administer and enforce the provisions of Chapter 403, Florida Statutes ("F.S."), and the rules promulgated and authorized in Title 62, Florida Administrative Code ("F.A.C."). The Department has jurisdiction over the matters addressed in this Order.

2. Respondent is a person within the meaning of Section 403.031(5), F.S.

3. Respondent is the owner and is responsible for the operation of the Tradewinds WWTF, an existing 0.081 million gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids with existing 0.081 MGD annual average daily flow permitted capacity slow-rate restricted public access reuse system. R-001 consists of a three-day clay-lined holding pond and a 2.34-acre sprayfield ("Facility"). The Facility is operated under Wastewater Permit No. FLA010699 ("Permit"), which was issued on December 22, 2015 and will expire on December 21,2020. The Facility is located at 2925 NE 43rd Place, Ocala, in Marion County, Florida, Latitude: 29°13' 54.37" North, Longitude: 82°5' 48.28" West, Parcel: 15845-

000-02, 15845-000-00 ("Property"). Respondent owns the Property on which the Facility is located.

4. The department finds that the following violation(s) occurred:

a) During an inspection on July 14, 2020 the sprayfield has several missing spray heads affecting the even loading of the sprayfield, which is a violation of Chapter 62-620.610(7) F.A.C.

b) During an inspection on July 14, 2020 the clay lined holding pond was not maintained which is a violation of Chapter 62-610.523 (6) F.A.C.

c) The facility has chronic effluent violations that generated a significant out of compliance with TSS limits exceeding five out of six months, which is a violation of Chapter 62-610.420 (b) F.A.C.

d) The facility is not meeting the requirements of Administrative Order AO-SS-16-016**.** The biannual status reports are not being submitted and do not accurately address the facilities ability to meet new Total Nitrogen limits currently not being met. This is a violation of Section 403.161 (1)(b) F.S.

Having reached a resolution of the matter Respondent and the Department mutually agree and it is

ORDERED:

5. Respondent shall comply with the following corrective actions within the stated time periods:

a) Effective immediately, the Respondent shall continue to monitor the sprayfield and maintain the spray heads until connection to Marion County Utilities is complete.

b) Effective immediately, the Respondent shall continue to maintain all vegetation from the holding pond to maintain storage capacity until connection to Marion County Utilities is complete.

c) Respondent shall comply with the interim limit ("Interim Limit"), the discharge monitoring, and reporting requirements in the table below for discharges to the

sprayfield system at the Facility. All of the other parameter limits in the Permit remain the same and Respondent shall comply with all of the other conditions of the Permit. The Interim Limit shall become effective upon the first day of the month following the effective date of this Consent Order. The Interim Limit shall remain in effect until December 31, 2022.

			Reclaimed Water Limitations		Monitoring Requirements			
Parameter	Units	Max./ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Solids, Total Suspended	mg/L	Max Max Max Max	**33.0** **45.0** **55.0** **70.0**	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Nitrogen, Nitrate, Total (as N)	mg/L	Max	**18.0**	Annual Average	Annually	Grab	EFA-1	See I.**Error ! Reference source not found.**. 6
Nitrogen, Total	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.**Error ! Reference source not found.**. 7

6. Within 30 days of the effective date of this Order, Respondent shall retain the services of a professional engineer, registered in the State of Florida, to accomplish all of the following:

a) Designing modifications of the Facility collection systems to connect to Marion County Utilities Regional/ transmission System.

b) Completing an application for a Department wastewater permit to construct the modifications listed in subparagraph (a).

c) Overseeing the construction of the modifications to the Facility, effluent disposal system, or collection system.

d) Submitting to the Department a Certification of Completion, prepared and sealed by a professional engineer registered in the State of Florida, stating that modifications to the Facility, effluent disposal system, and collection system have been constructed in accordance with the provisions of the Permit.

e) In the event the Department requires additional information to process the permit application described in subparagraph (c) of this paragraph, providing a written response containing the information requested by the Department within 90 days of the date of the request.

7. Within 60 days of the effective date of the Order, Respondent shall submit to the Department an Abandonment Plan for the facility and the effluent disposal system. Proper abandonment includes pumping the plant dry, disinfection of the plant's components, disconnecting the force mains, disconnecting the electrical systems, ensuring that water does not collect in the plant, removal of the plant, removing the drain plugs or installing permanent drains which will ensure that water does not collect in the plant. If the plant is to be demolished on-site, the bottom pad needs to be broken in pieces to provide percolation. All sludge and debris shall be disposed at an approved site.

8. Within 400 days of the effective date of this Order, Respondent shall complete the proper abandonment of the facility and the effluent disposal system.

9. Every calendar quarter after the effective date of this Order, Respondent shall submit in writing to the Department a report containing information concerning the status and progress of projects being completed under this Order, information as to compliance or noncompliance with the applicable requirements of this Order including construction requirements and effluent limitations, and any reasons for noncompliance. These reports shall also include a projection of the work to be performed pursuant to this Order during the 12-

month period which will follow the report. These reports shall be submitted to the Department within 30 days following the end of the quarter.

10. Notwithstanding the time periods described in the paragraphs above, Respondent shall complete all corrective actions required by paragraphs 5 and 6 within 400 days of the effective date of this order or the current applicable Wastewater Permit expiration date (whichever comes first), and be in full compliance with Rule 62-600, F.A.C., regardless of any intervening events or alternative time frames imposed in this Order**.**

11. Within 30 days of the effective date of this Order, Respondent shall pay the Department $2,250.00 in settlement of the regulatory matters addressed in this Order. This amount includes $2,000.00 for civil penalties and $250.00 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Order. The civil penalty in this case includes 1 violation that each warrant a penalty of $2,000.00 or more.

12. Respondent agrees to pay the Department stipulated penalties in the amount of $1000.00 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 5 and 6 of this Order. The Department may demand stipulated penalties at any time after violations occur. Respondent shall pay stipulated penalties owed within 30 days of the Department's issuance of written demand for payment and shall do so as further described in paragraphs 10 and 11, below. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any terms of this Order. Any stipulated penalties assessed under this paragraph shall be in addition to the civil penalties agreed to in paragraph # of this Order.

13. Respondent shall make all payments required by this Order by cashier's check, money order or on-line payment. Cashier's check or money order shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Order and the notation "Water Quality Assurance Trust Fund." Online payments by e-check can be made by going to the DEP Business Portal at:

http://www.fldepportal.com/go/pay/. It will take a number of days after this order is final and effective filed with the Clerk of the Department before ability to make online payment is available.

14. Except as otherwise provided, all submittals and payments required by this Order shall be sent to Compliance Assurance Program, Department of Environmental Protection, Central District, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803-3767 or by email at DEP_CD@dep.state.fl.us.

15. Respondent shall allow all authorized representatives of the Department access to the Facility and the Property at reasonable times for the purpose of determining compliance with the terms of this Order and the rules and statutes administered by the Department.

16. In the event of a sale or conveyance of the Facility or of the Property upon which the Facility is located, if all of the requirements of this Order have not been fully satisfied, Respondent shall, at least 30 days prior to the sale or conveyance of the Facility or Property, (a) notify the Department of such sale or conveyance, (b) provide the name and address of the purchaser, operator, or person(s) in control of the Facility, and (c) provide a copy of this Order with all attachments to the purchaser, operator, or person(s) in control of the Facility. The sale or conveyance of the Facility or the Property does not relieve Respondent of the obligations imposed in this Order.

17. If any event, including administrative or judicial challenges by third parties unrelated to Respondent, occurs which causes delay or the reasonable likelihood of delay in complying with the requirements of this Order, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of Respondent and could not have been or cannot be overcome by Respondent's due diligence. Neither economic circumstances nor the failure of a contractor, subcontractor, materialman, or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines shall be considered circumstances beyond the control of Respondent (unless the cause of the contractor's late performance was also beyond the contractor's control). Upon occurrence of an event causing delay, or upon

becoming aware of a potential for delay, Respondent shall notify the Department by the next working day and shall, within seven calendar days notify the Department in writing of (a) the anticipated length and cause of the delay, (b) the measures taken or to be taken to prevent or minimize the delay, and (c) the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended. The agreement to extend compliance must identify the provision or provisions extended, the new compliance date or dates, and the additional measures Respondent must take to avoid or minimize the delay, if any. Failure of Respondent to comply with the notice requirements of this paragraph in a timely manner constitutes a waiver of Respondent's right to request an extension of time for compliance for those circumstances.

18. The Department, for and in consideration of the complete and timely performance by Respondent of all the obligations agreed to in this Order, hereby conditionally waives its right to seek judicial imposition of damages or civil penalties for the violations described above up to the date of the filing of this Order. This waiver is conditioned upon Respondent's complete compliance with all of the terms of this Order.

19. This Order is a settlement of the Department's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Order is not a settlement of any criminal liabilities which may arise under Florida law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law. Entry of this Order does not relieve Respondent of the need to comply with applicable federal, state, or local laws, rules, or ordinances.

20. The Department hereby expressly reserves the right to initiate appropriate legal action to address any violations of statutes or rules administered by the Department that are not specifically resolved by this Order.

21. Respondent is fully aware that a violation of the terms of this Order may subject Respondent to judicial imposition of damages, civil penalties up to $10,000.00 per day per violation, and criminal penalties.

22. Respondent acknowledges and waives its right to an administrative hearing pursuant to sections 120.569 and 120.57, F.S., on the terms of this Order. Respondent also acknowledges and waives its right to appeal the terms of this Order pursuant to section 120.68, F.S.

23. Electronic signatures or other versions of the parties' signatures, such as .pdf or facsimile, shall be valid and have the same force and effect as originals. No modifications of the terms of this Order will be effective until reduced to writing, executed by both Respondent and the Department, and filed with the clerk of the Department.

24. The terms and conditions set forth in this Order may be enforced in a court of competent jurisdiction pursuant to sections 120.69 and 403.121, F.S. Failure to comply with the terms of this Order constitutes a violation of section 403.161(1)(b), F.S.

25. This Consent Order is a final order of the Department pursuant to section 120.52(7), F.S., and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, F.S. Upon the timely filing of a petition, this Consent Order will not be effective until further order of the Department.

Persons who are not parties to this Consent Order, but whose substantial interests are affected by it, have a right to petition for an administrative hearing under sections 120.569 and 120.57, Florida Statutes. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition concerning this Consent Order means that the Department's final action may be different from the position it has taken in the Consent Order.

The petition for administrative hearing must contain all of the following information:

a) The OGC Number assigned to this Consent Order;

b) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding;

c) An explanation of how the petitioner's substantial interests will be affected by the Consent Order;

d) A statement of when and how the petitioner received notice of the Consent Order;

e) Either a statement of all material facts disputed by the petitioner or a statement that the petitioner does not dispute any material facts;

f) A statement of the specific facts the petitioner contends warrant reversal or modification of the Consent Order;

g) A statement of the rules or statutes the petitioner contends require reversal or modification of the Consent Order; and

h) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Consent Order.

The petition must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000 within 21 days of receipt of this notice. A copy of the petition must also be mailed at the time of filing to the District Office at Central District, 3319 Maguire Blvd., Orlando, FL 32803. Failure to file a petition within the 21-day period constitutes a person's waiver of the right to request an administrative hearing and to participate as a party to this proceeding under sections 120.569 and 120.57, Florida Statutes. Before the deadline for filing a petition, a person whose substantial interests are affected by this Consent Order may choose to pursue mediation as an alternative remedy under section 120.573, Florida Statutes. Choosing mediation will not adversely affect such person's right to request an administrative hearing if mediation does not result in a settlement. Additional information about mediation is provided in section 120.573, Florida Statutes and Rule 62-110.106(12), Florida Administrative Code.

26. Rules referenced in this Order are available at https://softlive.dep.state.fl.us/ogc/ogc/content/rules

FOR THE RESPONDENT:

_____ _____
Charles Demenzes Date
Owner of Tradewinds Utilities Inc.

DONE AND ORDERED this ___ day of _____, 2021, in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

_____
Aaron Watkins
District Director
Central District

Filed, on this date, pursuant to section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date

Copies furnished to:

Lea Crandall, Agency Clerk
Mail Station 35

From:	Desai, Anil
To:	Judy, Dennise; Clayton, Trey
Cc:	Bryant, Lewis; Watt, Christina; LeGros, Charles; Brewer, Lindsey; Burson, Lu
Subject:	RE: Tradewinds WWTF Decommissioning and Force Main
Date:	Wednesday, September 1, 2021 11:03:00 AM
Attachments:	image002.jpg image003.png image004.png image005.png image006.png

---

Hi Trey,

I am not sure about the timeframe for the decommissioning of the plant but before the plant is shut down, please collect the last set of groundwater samples and submit the results to the Department as usual.

After last groundwater sampling event, please abandon all monitor wells in accordance with the requirements of Rule 62-532.500(5) Florida Administrative code and submit the well abandonment logs to the Department. Typically the facility will have to hire a registered drilling contractor in Florida, who will obtain all necessary permits, and then abandon all wells. The drilling contractor will issue the well abandonment logs to the facility and that information needs to be submitted to the Department.

Please feel free to contact me if you still have any questions.

Sincerely,

FL-DEP-LOGO

Anil K. Desai, P.G.
Professional Geologist III
Florida Department of Environmental Protection
Permitting and Waste Cleanup Program
Suite 232, 3319 Maguire Blvd., Orlando, FL 32803-3767
Direct 407-897-4116
Central District 407-897-4100
Anil.Desai@floridaDEP.gov
Helpful Links: Waste | Rules | Permitting | Oculus | MAP Direct WCU | INFO PORTAL

Looking to file a Notice, Registration, or Self-certification?You can even

submit a permit application and make a payment! Try DEP's Business Portal.
It's easy and quick.
Just click the button.



From: Judy, Dennise <Dennise.Judy@FloridaDEP.gov>
Sent: Tuesday, August 31, 2021 2:08 PM
To: Clayton, Trey <Trey.Clayton@kimley-horn.com>
Cc: Bryant, Lewis <Lewis.Bryant@kimley-horn.com>; Watt, Christina <Christina.Watt@kimley-horn.com>; LeGros, Charles <Charles.LeGros@dep.state.fl.us>; Desai, Anil <Anil.Desai@FloridaDEP.gov>
Subject: RE: Tradewinds WWTF Decommissioning and Force Main

Hi, Trey, let me get a couple other folks involved in this response. Chuck LeGros will have more information on what they might need with the CS permit, like an abandonment plant, and Lindsey Brewer or Anil Desai will be able to give you some input on those monitoring wells.

In fact, at the moment I seem to be having some connectivity issues (I hope this reply goes through ok!) so I am gong to defer to them completely. You are in good hands!

Regards,



Dennise Judy
Environmental Consultant
Permitting and Waste Cleanup
407-897-4154
Dennise.Judy@FloridaDEP.gov

From: Clayton, Trey <Trey.Clayton@kimley-horn.com>
Sent: Tuesday, August 31, 2021 2:03 PM
To: Judy, Dennise <Dennise.Judy@FloridaDEP.gov>
Cc: Bryant, Lewis <Lewis.Bryant@kimley-horn.com>; Watt, Christina <Christina.Watt@kimley-horn.com>

Subject: Tradewinds WWTF Decommissioning and Force Main

Dennise,

We are currently working on plans for Marion County Utilities to decommission the Tradewinds WWTF (FLA010699)(previously owned by Marion utilities) and construct a new lift station and force main. What permit would be required by the County other than form 62-604.300 (WW Collection System) and Form 62-257.900 (Demolition/Asbestos)? Would it be possible for the Contractor to submit Form 62-257.900? Also what sampling requirements will be required by the County after demolition, especially in regards to the GWM wells?

Regards,

Trey Clayton, P.E.
Kimley-Horn | 101 E Silver Springs Boulevard, Suite 400, Ocala, FL 34470
Office: 352-438-3000 | Direct: 352-438-3016

Celebrating 13 years as one of FORTUNE's 100 Best Companies to Work For

1) THE PURPOSE OF THIS ASBUILT SURVEY IS TO SHOW THE RECENTLY INSTALLED IMPROVEMENTS FOR PEARL BRITAIN PLAZA PUBLIX LOCATED IN OCALA, FLORIDA.
2) PLAN INFORMATION SHOWN ON THIS ASBUILT SURVEY WAS DERIVED FROM CONSTRUCTION DRAWINGS ENTITLED "MAJOR SITE PLAN PEARL BRITAIN PLAZA PUBLIX AT NEC OF NE 25TH & NE 35TH STREET OCALA, FLORIDA", PREPARED BY NV5, REVISED 3/18/2021.
3) SHADED INFORMATION IS SHOWN FOR ORIENTATION PURPOSES ONLY AND MAY NOT BE CONSTRUCTED AT THIS TIME.
4) ELEVATIONS SHOWN HEREON ARE BASED ON PROVIDED DATA.
5) COPIES OF THIS SURVEY ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER LISTED HEREON.
6) NO ADDITIONS OR DELETIONS TO THIS SURVEY MAY BE PERFORMED BY ANYONE OTHER THAN THE SURVEYOR AND MAPPER LISTED HEREON.
7) INFORMATION BASED ON PROVIDED CONTROL REPRESENTED AS STATE PLANE COORDINATES AND MARION COUNTY DATUM.

NORTH

SCALE: 1" = 40'

0 40 80

SANITARY SEWER AS-BUILTS

SAN-04
RIM:~~54.61~~ 55.03*
SUMP:~~45.66~~
INV IN:~~47.71~~ 8" PVC 47.86*
INV OUT:~~47.66~~ 8" PVC 47.83*

D DETAIL C5.2

SAN-03
RIM:~~49.92~~ 55.54*
SUMP:~~47.10~~
INV IN:~~49.15~~ 8" PVC 49.01*
INV OUT:~~49.10~~ 8" PVC 48.91*

SAN-02
RIM:~~55.25~~ 55.15*
SUMP:~~49.95~~
INV IN:~~50.90~~ 8" PVC 49.77*
INV OUT:~~50.85~~ 8" PVC 49.69*

FH FDC

16 LF 8"PVC SAN @ ~~0.63%~~ 0.75%*

212 LF 8"PVC SAN @ ~~0.66%~~ 0.50%*

120 LF 8"PVC SAN @ 0.57%*

20* 14 LF 8"PVC SAN @ 1.10%* ~~0.87%~~

SAN-05
RIM:~~54.99~~ 54.93*
SUMP:~~45.56~~
INV IN:~~47.56~~ 8" PVC 47.71*

SAN-01
RIM:~~56.45~~ 55.56*
SUMP:~~48.98~~
INV IN:~~52.93~~ 8" PVC 50.79*
INV OUT:~~50.98~~ 8" PVC 49.99*

Publix SUPER MARKETS

SYSTEM DETAILS LOCATED C8.0

GRADE UP INTO EXISTING @ 5:1

SEWER AS-BUILT LEGEND

SS-SANITARY SEWER
SS-CO=STORM CLEAN OUT
SS-CL=STRUCTURE CENTER LINE
SS-DF=DRAIN FIELD
SS-GT=GREASE TRAP
SS-IP=INVERT OF PIPE
SS-IS=INVERT OF STRUCTURE
SS-LS=LIFT STATION
SS-MH=SEWER MANHOLE
SS-PE=PIPE (END)
SS-PS=PUMP STATION (TRANSFER)
SS-S=STRUCTURE
SS-SD=DOUBLE SERVICE
SS-SPT=SEPTIC TANK
SS-SS=SINGLE SERVICE
SS-ST=STRUCTURE TOP
SS-TOP=TOP OF PIPE
SS-Y=WYE

AS-BUILT DRAWING

*XX.XX (oval) INDICATES AS-BUILT INFORMATION

I HEREBY CERTIFY THAT THE AS-BUILT INFORMATION SHOWN HEREON WAS MADE UNDER MY DIRECT SUPERVISION ON 8/19/2021
I FURTHER CERTIFY THAT THIS AS-BUILT SURVEY MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

JOHN C. COUNTS JR.
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 4480

FOR THE FIRM:
GRADEWORKS, LLC LB 7946
851 NW 24TH CT, SUITE 101
OCALA, FL 34475
(352) 840-0086

THIS CERTIFICATION IS INVALID UNLESS SIGNED AND SEALED BY THE ABOVE LICENCED SURVEYOR.

JOB #: 16011.20
PRJ. MGR.: FAP
DESIGNER: JJH
CHECKED: JPM

ENGINEER
FRANKLIN A. FORTIER, P.E.
FL. LIC. #69092

DATE: Aug. 19, 2021

NO.	DATE	REVISIONS
1	9/24/20	PUBLIX REVIEW CHANGES FROM 1.30.20 PLANS

MAJOR SITE PLAN
PEARL BRITAIN PLAZA
NEC OF NE 25TH & NE 35TH STREET
OCALA, MARION COUNTY, FL
FOR
AMERICAN COMMERCIAL REALTY CORP.

EAST GRADE PLAN

NV5
201 S. BUMBY AVE.
ORLANDO, FL
(407) 896-3317
WWW.NV5.COM
CERTIFICATE OF AUTHORIZATION # 29065

SHEET
C5.2

1) THE PURPOSE OF THIS ASBUILT SURVEY IS TO SHOW THE RECENTLY INSTALLED IMPROVEMENTS FOR PEARL BRITAIN PLAZA PUBLIX LOCATED IN OCALA, FLORIDA.
2) PLAN INFORMATION SHOWN ON THIS ASBUILT SURVEY WAS DERIVED FROM CONSTRUCTION DRAWINGS ENTITLED "MAJOR SITE PLAN PEARL BRITAIN PLAZA PUBLIX AT NEC OF NE 25TH & NE 35TH STREET OCALA, FLORIDA", PREPARED BY NV5, REVISED 3/18/2021.
3) SHADED INFORMATION IS SHOWN FOR ORIENTATION PURPOSES ONLY AND MAY NOT BE CONSTRUCTED AT THIS TIME.
4) ELEVATIONS SHOWN HEREON ARE BASED ON PROVIDED DATA.
5) COPIES OF THIS SURVEY ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER LISTED HEREON.
6) NO ADDITIONS OR DELETIONS TO THIS SURVEY MAY BE PERFORMED BY ANYONE OTHER THAN THE SURVEYOR AND MAPPER LISTED HEREON.
7) INFORMATION BASED ON PROVIDED CONTROL REPRESENTED AS STATE PLANE COORDINATES AND MARION COUNTY DATUM.

NORTH

SCALE: 1" = 40'

0 40 80

SANITARY SEWER AS-BUILTS

SAN-04
RIM:~~54.61~~ 55.03*
SUMP:~~45.66~~
INV IN:~~47.71~~ 8" PVC 47.86*
INV OUT:~~47.66~~ 8" PVC 47.83*

D DETAIL C5.2

SAN-03
RIM:~~49.92~~ 55.54*
SUMP:~~47.10~~
INV IN:~~49.15~~ 8" PVC 49.01*
INV OUT:~~49.10~~ 8" PVC 48.91*

SAN-02
RIM:~~55.25~~ 55.15*
SUMP:~~49.95~~
INV IN:~~50.90~~ 8" PVC 49.77*
INV OUT:~~50.85~~ 8" PVC 49.69*

FH FDC

16 LF 8"PVC SAN @ ~~0.63%~~ 0.75%*

212 LF 8"PVC SAN @ ~~0.66%~~ 0.50%*

120 LF 8"PVC SAN @ 0.57%*

20* 14 LF 8"PVC SAN @ 1.10%* ~~0.87%~~

SAN-05
RIM:~~54.99~~ 54.93*
SUMP:~~45.56~~
INV IN:~~47.56~~ 8" PVC 47.71*

SAN-01
RIM:~~56.45~~ 55.56*
SUMP:~~48.98~~
INV IN:~~52.93~~ 8" PVC 50.79*
INV OUT:~~50.98~~ 8" PVC 49.99*

Publix SUPER MARKETS

SYSTEM DETAILS LOCATED C8.0

GRADE UP INTO EXISTING @ 5:1

SEWER AS-BUILT LEGEND

SS-SANITARY SEWER
SS-CO=STORM CLEAN OUT
SS-CL=STRUCTURE CENTER LINE
SS-DF=DRAIN FIELD
SS-GT=GREASE TRAP
SS-IP=INVERT OF PIPE
SS-IS=INVERT OF STRUCTURE
SS-LS=LIFT STATION
SS-MH=SEWER MANHOLE
SS-PE=PIPE (END)
SS-PS=PUMP STATION (TRANSFER)
SS-S=STRUCTURE
SS-SD=DOUBLE SERVICE
SS-SPT=SEPTIC TANK
SS-SS=SINGLE SERVICE
SS-ST=STRUCTURE TOP
SS-TOP=TOP OF PIPE
SS-Y=WYE

AS-BUILT DRAWING

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JOB #: 16011.20
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MAJOR SITE PLAN
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EAST GRADE PLAN

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(407) 896-3317
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CERTIFICATE OF AUTHORIZATION # 29065

SHEET
C5.2

FLORIDA DEPARTMENT OF
Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Interim Secretary

Receipt for Notification Submission

September 07, 2021

FRANKLIN PORTER

TRADEWINDS WWTF - FLA010699
2925 NE 43RD PL
OCALA, FL

This is to acknowledge that your Request for Approval to Place a Domestic Wastewater Collection/Transmission System into Operation was received on **September 07, 2021**.

The form and supporting information fulfills the requirements to request approval from DEP to place the domestic wastewater collection/transmission system into operation and that the project as described below has been constructed in accordance with the associated DEP Permit Number and related plans and materials.

DEP may contact you for additional information. If you indicated substantial deviations and you do not hear from your district office, your project may be placed into service 10 days from the date of this letter. If you did NOT indicate substantial deviations and you do not hear from your district office, your project may be placed into service 3 days from the date of this letter.

This Clearance Notification Process does not relieve you from the responsibility of obtaining other permits or authorizations from other agencies (federal, state, city, etc.) that may be required for the project.

In support of your notification you provided the following information:

Construction Permit Number:	0393344-001-DWC/CG
Project Name:	Pearl Britain Plaza
Project Location:	2647 NE 35th St, Ocala, FL 34479
Permittee:	Madelene Humphreys
Collection System Owner:	Tradewinds WWTF
Treatment Facility:	TRADEWINDS WWTF - FLA010699
Clearance Type:	Total Clearance
Submitter Indicated Substantial Deviations?:	No
Substantial Deviations (when applicable):	

Attachments:
File Description: Asbuilts
File Name: P1750 Pearl Britain Sewer Asbuilts.pdf
File Hash: 5f299fd6b9d6a3b91b470ef14e86a03c3eeefe48a78d684723b5eb3f302f9918
Attachments:
File Description: Signed Application
File Name: 62-604.3008b Clouseout Signed.pdf
File Hash: 9236f1ed21242dcb0759ae13481a98ea3557069825fc0c7dc5f404e1d5757412

All files related to your facility may be viewed at our Departmental Information Portal:
https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/FLA010699/facility!search
Please allow up to three (3) business days for the above documents to appear.

Staff will notify you of any additional information that may be required to complete your notification.

The Office for your project is:
Central District
DEP_CD@dep.state.fl.us

Please contact this Office for any questions regarding your project.

From: Bates, Brian
To: LeGros, Charles
Cc: Rad, Alejandro
Subject: RE: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning
Date: Thursday, May 26, 2022 3:04:41 PM
Attachments: image001.png
image003.png
image004.png
image005.png
_MC-seal-4C-Rev-19_cba48ea3-e87b-450b-b0b9-d5aeaa4a09a8.png
Tradewinds Wastewater Plant Abandonment Plan 05_26_22.docx

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Hello Charles,

Attached is the revised Tradewinds Wastewater Plant Abandonment Plan.
Please let me know if you require additional information or have any questions.

Thank you,
Brian Bates

Brian P. Bates, P.E.
Senior Engineer
Utilities

Marion County Board of County Commissioners
11800 SE US Hwy 441
Belleview, FL 34420
Main: 352-307-6000 | Direct: 352-307-6164 | Cell: 352-512-4936

Empowering Marion for Success!

Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

From: LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Sent: Wednesday, May 25, 2022 8:59 AM
To: Bates, Brian <Brian.Bates@marionfl.org>
Subject: RE: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

CAUTION: THIS MESSAGE IS FROM AN EXTERNAL SENDER
This email originated from outside the organization. Do not click links, open attachments, or share any information unless you recognize the sender and know the content is safe. Report suspicious emails using the "Phish Alert" button in Outlook or contact the Helpdesk.

Thank you for the update.

From: Bates, Brian <Brian.Bates@marionfl.org>
Sent: Wednesday, May 25, 2022 7:01 AM
To: LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Subject: RE: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Good Morning Charles,

Contractor has finished up the jack and bore under the railroad, next will be lift station construction then abandonment of package plant. Contractor is experiencing some material delivery and manpower delays.

You will have improved Abandonment Plan soon.

Brian P. Bates, P.E.
Senior Engineer
Utilities

Marion County Board of County Commissioners
11800 SE US Hwy 441
Belleview, FL 34420
Main: 352-307-6000 | Direct: 352-307-6164 | Cell: 352-512-4936

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From: LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Sent: Tuesday, May 24, 2022 10:01 AM

To: Bates, Brian <Brian.Bates@marionfl.org>
Subject: FW: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

CAUTION: THIS MESSAGE IS FROM AN EXTERNAL SENDER
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See well abandonment approval from our groundwater section (once taken offline).

Is the facility close to being taken offline?

From: Desai, Anil <Anil.Desai@FloridaDEP.gov>
Sent: Friday, May 20, 2022 9:56 AM
To: LeGros, Charles <Charles.LeGros@dep.state.fl.us>; Courneya, Alex <Alex.Courneya@FloridaDEP.gov>; : Bates, Brian <Brian.Bates@marionfl.org>
Cc: Hall, Carolyn X <Carolyn.X.Hall@FloridaDEP.gov>; Phillips, Reggie <Reggie.Phillips@FloridaDEP.gov>; Burson, Lu <Lu.Burson@dep.state.fl.us>
Subject: RE: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

Chuck,

They have only one compliance well MWC-1 and the groundwater quality is in compliance. This monitor well can be abandoned per the requirements stipulated in Rule 62-532.500(5) FAC by a Florida Registered driller and the well abandonment report to be provided by the drilling contractor shall be submitted to my attention.

Thanks,

Anil K. Desai, P.G.
Professional Geologist III
Florida Department of Environmental Protection
Permitting and Waste Cleanup Program
Suite 232, 3319 Maguire Blvd., Orlando, FL 32803-3767
Direct 407-897-4116
Central District 407-897-4100
Anil.Desai@floridaDEP.gov
Helpful Links: Waste | Rules | Permitting | Oculus | MAP Direct WCU | INFO PORTAL

Looking to file a Notice, Registration, or Self-certification?You can even submit a permit application and make a payment! Try DEP's Business Portal.

It's easy and quick.
Just click the button.



From: LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Sent: Friday, May 20, 2022 8:58 AM
To: Desai, Anil <Anil.Desai@FloridaDEP.gov>; Courneya, Alex <Alex.Courneya@FloridaDEP.gov>
Cc: Hall, Carolyn X <Carolyn.X.Hall@FloridaDEP.gov>; Phillips, Reggie <Reggie.Phillips@FloridaDEP.gov>
Subject: FW: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

Tradewinds WWTF FLA010699 was in formal enforcement and was taken over by the county. Marion County is connecting the facility and looking for guidance on abandonment of the monitoring well(s). I let them know the well(s) need to be abandoned by a licensed well driller and the abandonment report submitted to the Department.

Can you please review well data and see if OK to abandon?

Chuck

From: Bates, Brian <Brian.Bates@marionfl.org>
Sent: Friday, May 20, 2022 6:22 AM
To: LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Cc: Rad, Alejandro <Alejandro.Rad@marionfl.org>
Subject: RE: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Good Morning Charles,

We are working to improve the Abandonment Plan.

I wanted to double check on the monitoring well abandonment, early in the project it was thought we needed to keep the monitoring well in place in order to continue monitoring for up to a year.

Should we abandon the monitoring well at the end of this project?

Thanks for the help,
Brian

Brian P. Bates, P.E.
Senior Engineer
Utilities

Marion County Board of County Commissioners
11800 SE US Hwy 441
Belleview, FL 34420
Main: 352-307-6000 | Direct: 352-307-6164 | Cell: 352-512-4936

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From: LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Sent: Tuesday, May 10, 2022 9:35 AM
To: Bates, Brian <Brian.Bates@marionfl.org>
Cc: Rad, Alejandro <Alejandro.Rad@marionfl.org>; Smicherko, David <David.Smicherko@FloridaDEP.gov>; Desai, Anil <Anil.Desai@FloridaDEP.gov>; LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Subject: FW: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

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Brian,

Sorry it has taken while to look at this but the submitted abandonment plan is incomplete. Can you have them address the following?

On #3 where will the liquids go? This should say pumped to FDEP wastewater treatment facility at a minimum. It would be preferable if the facility was listed. I would assume it would be silver springs

shores.

On 4 where will the sand and grit go? Will go to biosolids treatment facility for dewatering and disposal or just sent to class I landfill?

Where will the digestor biosolids material go to? I would assume silver springs shores or DEP approved biosolids treatment facility? Which one?

The facility has groundwater monitoring wells. FDEP approval for abandoning the monitoring wells needs to be approved (Anil Desai, FDEP). Then the wells need to be abandoned by a licensed well driller and the abandonment report submitted to the Department. The plan needs to indicate that.

The abandonment plan should indicate the DEP compliance section will be contacted for a close out inspection once the facility has been abandoned.

I have attached some guidance on submitting an abandonment plan.

Please let me know if you have any questions.

Charles LeGros
FDEP
(407) 897-4158

From: Bates, Brian <Brian.Bates@marionfl.org>
Sent: Wednesday, May 4, 2022 6:34 AM
To: DEP_CD <DEP_CD@dep.state.fl.us>
Cc: LeGros, Charles <Charles.LeGros@dep.state.fl.us>; Rad, Alejandro <Alejandro.Rad@marionfl.org>
Subject: PERMIT NUMBER: 0409298-001-DWC/CM; PROJECT NAME: Tradewinds WRF Decommissioning

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Please find attached the Wastewater Abandonment Plan for the subject project.
Also please note Jody Kirkman is a Mr. not a Ms. as shown on the permit.

Thank you,
Brian Bates

Brian P. Bates, P.E.
Senior Engineer
Utilities

Marion County Board of County Commissioners
11800 SE US Hwy 441
Belleview, FL 34420
Main: 352-307-6000 | Direct: 352-307-6164 | Cell: 352-512-4936

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Dep Customer Survey

Dep Customer Survey

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

September 21, 2022

Tradewinds Utilities Inc
Charles DeMenzes
2925 NE 43rd Place
Ocala, Florida 34478
charlie@altfo.com

SUBJECT: Department of Environmental Protection v. Tradewinds Utilities Inc.,
OGC File No.: 20-1413
FLA010699

Mr. DeMenzes:

The State of Florida Department of Environmental Protection ("Department") finds that Tradewinds Utilities Inc ("Respondent") had chronic effluent limit violations that were significantly out of compliance for total suspended solids, did not demonstrate the ability to meet the AO-SS-16-016 total nitrogen limits through biannual status reports, and did not maintain the clay lined holding pond and spray heads on the spray field in violation of Rule 62-620 F.A.C. and 62-610 F.A.C.. Before sending this letter, the Department requested that the Respondent undertake certain actions to resolve the violation(s). These actions have since been completed by completing connection to Marion County Utilities. However, due to the nature of the violation(s), the Respondent remains subject to civil penalties. The Respondent is also responsible for costs incurred by the Department during the investigation of this matter.

The Department's Offer

Based on the violations described above, the Department is seeking $ 2,000.00 in civil penalties and $ 250.00 for costs and expenses the Department has incurred in investigating this matter, which amounts to a total of $ 2,250.00.

Respondent's Acceptance

If you wish to accept this offer and fully resolve the enforcement matter pending against the Respondent, please sign this letter and return it to the Department at Central District, 3319 Maguire Blvd., suite 232, Orlando, Florida 32803 by **October 7,2022**. The Department will then countersign it and file it with a designated clerk of the

Department. Once the document is filed with the designated clerk, it will constitute a final order of the Department pursuant to Section 120.52(7), F.S. and will be effective unless a request for an administrative hearing is filed by a third party in accordance with Chapter 120, F.S. and the attached Notice of Rights.

By accepting this offer you, Charles DeMenzes:

(1) certify that you are authorized and empowered to negotiate, enter into, and accept the terms of this offer in the name and on behalf of Respondent;

(2) acknowledge and waive Respondent's right to an administrative hearing pursuant to Sections 120.569 and 120.57, F.S., on the terms of this offer, once final;

(3) acknowledge and waive Respondent's right to an appeal pursuant to Section 120.68, F.S.; and

(4) acknowledge that payment of the above amount does not constitute a waiver of the Department's right, if any, to recover emergency response related costs and expenses for this matter.

The Department acknowledges that the Respondent's acceptance of this offer does not constitute an admission of liability for the violation(s) referenced above.

Respondent's Performance

After signing and returning this document to the Department,

(1) Respondent must pay $ 2,250.00 in full by **October 31, 2022**.
(2) Respondent shall make all payments required by this Order by cashier's check, money order or on-line payment. Cashier's check or money order shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Order and the notation "Water Quality Assurance Trust Fund." Online payments by e-check can be made by going to the DEP Business Portal at: http://www.fldepportal.com/go/pay/
It will take a number of days after this order is final, effective and filed with the Clerk of the Department before ability to make online payment is available.

The Department may enforce the terms of this document, once final, and seek to collect monies owed pursuant to Sections 120.69 and 403.121, F.S.

Until clerked by the Department, this letter is only a settlement offer and not a final agency action. Consequently, neither the Respondent nor any other party may request an administrative hearing to contest this letter pursuant to Chapter 120, F.S. Once this letter is clerked and becomes a final order of the Department, as explained above, the

attached Notice of Rights will apply to parties, other than the Respondent, whose interests will be substantially affected.

Electronic signatures or other versions of the parties' signatures, such as .pdf or facsimile, shall be valid and have the same force and effect as originals. No modifications of the terms of this Order will be effective until reduced to writing, executed by both Respondent and the Department, and filed with the clerk of the Department.

Please be aware that if the Respondent declines to respond to the Department's offer, the Department will assume that the Respondent is not interested in resolving the matter and will proceed accordingly.

If you have any questions, please contact Carolyn Hall at 407-897-4114 or at Carolyn.Hall@floridaDEP.gov.

Sincerely,

On behalf of:

Aaron Watkins
District Director
Central District

FOR THE RESPONDENT:

I, _____ [Type or Print Name], **HEREBY ACCEPT THE TERMS OF THE SETTLEMENT OFFER IDENTIFIED ABOVE.**

By: _____ Date: _____
[Signature]

Title: _____
[Type or Print]

FOR DEPARTMENT USE ONLY

DONE AND ORDERED this ___ day of _____, 2022, in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

_____
Aaron Watkins
District Director
Central District

Filed, on this date, pursuant to section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date

Attachments: Notice of Rights

Final clerked copy furnished to:
Lea Crandall, Agency Clerk (lea.crandall@dep.state.fl.us)

NOTICE OF RIGHTS

Persons who are not parties to this Order, but whose substantial interests are affected by it, have a right to petition for an administrative hearing under Sections 120.569 and 120.57, Florida Statutes. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition concerning this Order means that the Department's final action may be different from the position it has taken in the Order.

The petition for administrative hearing must contain all of the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000 or received via electronic correspondence at Agency_Clerk@floridadep.gov, within 21 days of receipt of this notice. A copy of the petition must also be mailed at the time of filing to the District Office at the address indicated above. Failure to file a petition within the 21-day period constitutes a person's waiver of the right to request an administrative hearing and to participate as a party to this proceeding under Sections 120.569 and 120.57, Florida Statutes. Mediation under Section 120.573, Florida Statutes, is not available in this proceeding.

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

October 6, 2022

Charles DeMenzes, Owner
Tardewinds Utilities Inc
2925 NE 43rd Place
Ocala, Florida 34478
charlie@altfo.com

Re: Tradewinds WWTF
DW Facility ID #FLA010699
OGC Case #20-1413

Dear Mr. DeMenzes:

Enclosed is the executed Consent Order to resolve the above referenced case. This copy is for your records.

Should you have any questions or comments, please contact Carolyn Hall at 407-897-4114 or via e-mail at Carolyn.Hall@floridaDEP.gov

Your cooperation in this matter will be appreciated.

Sincerely,

On behalf of:
Aaron Watkins
Director, Central District

Enclosure

cc: Lea Crandall, OGC
Daun Festa, Central District

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

September 21, 2022

Tradewinds Utilities Inc
Charles DeMenzes
2925 NE 43rd Place
Ocala, Florida 34478
charlie@altfo.com

SUBJECT: Department of Environmental Protection v. Tradewinds Utilities Inc.,
OGC File No.: 20-1413
FLA010699

Mr. DeMenzes:

The State of Florida Department of Environmental Protection ("Department") finds that Tradewinds Utilities Inc ("Respondent") had chronic effluent limit violations that were significantly out of compliance for total suspended solids, did not demonstrate the ability to meet the AO-SS-16-016 total nitrogen limits through biannual status reports, and did not maintain the clay lined holding pond and spray heads on the spray field in violation of Rule 62-620 F.A.C. and 62-610 F.A.C.. Before sending this letter, the Department requested that the Respondent undertake certain actions to resolve the violation(s). These actions have since been completed by completing connection to Marion County Utilities. However, due to the nature of the violation(s), the Respondent remains subject to civil penalties. The Respondent is also responsible for costs incurred by the Department during the investigation of this matter.

The Department's Offer

Based on the violations described above, the Department is seeking $ 2,000.00 in civil penalties and $ 250.00 for costs and expenses the Department has incurred in investigating this matter, which amounts to a total of $ 2,250.00.

Respondent's Acceptance

If you wish to accept this offer and fully resolve the enforcement matter pending against the Respondent, please sign this letter and return it to the Department at Central District, 3319 Maguire Blvd., suite 232, Orlando, Florida 32803 by **October 7,2022.** The Department will then countersign it and file it with a designated clerk of the

RECEIVED
OCT 05 2022
DEP Central District

Department. Once the document is filed with the designated clerk, it will constitute a final order of the Department pursuant to Section 120.52(7), F.S. and will be effective unless a request for an administrative hearing is filed by a third party in accordance with Chapter 120, F.S. and the attached Notice of Rights.

By accepting this offer you, Charles DeMenzes:

(1) certify that you are authorized and empowered to negotiate, enter into, and accept the terms of this offer in the name and on behalf of Respondent;

(2) acknowledge and waive Respondent's right to an administrative hearing pursuant to Sections 120.569 and 120.57, F.S., on the terms of this offer, once final;

(3) acknowledge and waive Respondent's right to an appeal pursuant to Section 120.68, F.S.; and

(4) acknowledge that payment of the above amount does not constitute a waiver of the Department's right, if any, to recover emergency response related costs and expenses for this matter.

The Department acknowledges that the Respondent's acceptance of this offer does not constitute an admission of liability for the violation(s) referenced above.

Respondent's Performance

After signing and returning this document to the Department,

(1) Respondent must pay $ 2,250.00 in full by **October 31, 2022.**

(2) Respondent shall make all payments required by this Order by cashier's check, money order or on-line payment. Cashier's check or money order shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Order and the notation "Water Quality Assurance Trust Fund." Online payments by e-check can be made by going to the DEP Business Portal at: http://www.fldepportal.com/go/pay/
It will take a number of days after this order is final, effective and filed with the Clerk of the Department before ability to make online payment is available.

The Department may enforce the terms of this document, once final, and seek to collect monies owed pursuant to Sections 120.69 and 403.121, F.S.

Until clerked by the Department, this letter is only a settlement offer and not a final agency action. Consequently, neither the Respondent nor any other party may request an administrative hearing to contest this letter pursuant to Chapter 120, F.S. Once this letter is clerked and becomes a final order of the Department, as explained above, the

attached Notice of Rights will apply to parties, other than the Respondent, whose interests will be substantially affected.

Electronic signatures or other versions of the parties' signatures, such as .pdf or facsimile, shall be valid and have the same force and effect as originals. No modifications of the terms of this Order will be effective until reduced to writing, executed by both Respondent and the Department, and filed with the clerk of the Department.

Please be aware that if the Respondent declines to respond to the Department's offer, the Department will assume that the Respondent is not interested in resolving the matter and will proceed accordingly.

If you have any questions, please contact Carolyn Hall at 407-897-4114 or at Carolyn.Hall@floridaDEP.gov.

Sincerely,

On behalf of:

Aaron Watkins
District Director
Central District

FOR THE RESPONDENT:

I, Charles deMenzes [Type or Print Name], **HEREBY ACCEPT THE TERMS OF THE SETTLEMENT OFFER IDENTIFIED ABOVE.**

By: [Signature] Date: 10-5-22

Title: Charles deMenzes
[Type or Print]

FOR DEPARTMENT USE ONLY

DONE AND ORDERED this 6 day of October, 2022, in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

on behalf of

Aaron Watkins
District Director
Central District

Filed, on this date, pursuant to section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

October, 6, 2022
Date

Attachments: Notice of Rights

Final clerked copy furnished to:
Lea Crandall, Agency Clerk (lea.crandall@dep.state.fl.us)

NOTICE OF RIGHTS

Persons who are not parties to this Order, but whose substantial interests are affected by it, have a right to petition for an administrative hearing under Sections 120.569 and 120.57, Florida Statutes. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition concerning this Order means that the Department's final action may be different from the position it has taken in the Order.

The petition for administrative hearing must contain all of the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000 or received via electronic correspondence at Agency_Clerk@floridadep.gov, within 21 days of receipt of this notice. A copy of the petition must also be mailed at the time of filing to the District Office at the address indicated above. Failure to file a petition within the 21-day period constitutes a person's waiver of the right to request an administrative hearing and to participate as a party to this proceeding under Sections 120.569 and 120.57, Florida Statutes. Mediation under Section 120.573, Florida Statutes, is not available in this proceeding.

From: Spencer, Anitra L
To: Hall, Carolyn
Cc: Seyfert, Jason; Festa, Daun
Subject: OGC Payment Received – OGC 20-1413 - TRADEWINDS UTILITIES, INC.; DEP VS.
Date: Friday, October 21, 2022 10:13:48 AM
Attachments: image002.png
image001.png

Greetings,

We received notification of electronic payment in amount $2,250.00 today, for OGC 20-1413 - TRADEWINDS UTILITIES, INC.; DEP VS.

Thank you,

Anitra L. Spencer
Florida Department of Environmental Protection
Central Division/Business Program
Operations Review Specialist
Anitra.L.Spencer@FloridaDEP.gov
Office: 407-897-4121

From: no-reply@dep.state.fl.us <no-reply@dep.state.fl.us>
Sent: Friday, October 21, 2022 9:21 AM
To: debbie@alternativephone.com
Cc: DEP_CD <DEP_CD@dep.state.fl.us>; OGC_ESSAOrderPayment <OGC_ESSAOrderPayment@floridadep.gov>
Subject: FDEP Penalty Payment(s) Receipt

DEP Logo

FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Receipt for Payment

October 21, 2022

OGC Number:	**201413**
Receipt Number:	**153417**
Payment(s) made by:	**Deborah Dillon**
Address:	**PO Box 5220**
City, State Zip:	**Ocala, FL 34478**

On behalf of:

Responsible Party:	**TRADEWINDS UTILITIES INC.** **CHARLES DEMENZES**
Address:	**2925 NE 43RD PLACE** **OCALA, FL 34478, US**

Thank you for making your scheduled DEP Order Payment(s).

You have paid $2,250.00. This represents payment of the following scheduled Order Payment(s):

Payment Due Date: 10/31/2022	**$2,250.00**
Total Paid	**$2,250.00**

If you have any questions, please contact the Office of General Counsel at (850) 245-2268 or by e-mail at OGC_ESSAOrderPayment@dep.state.fl.us.

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

October 31, 2022

Charles DeMenzes, Owner
Tradewinds Utilities Inc
2925 NE 43rd Place
Ocala, Florida 34478
charlie@altfo.com

Re: Tradewinds WWTF
DW Facility ID #FLA010699
OGC Case #20-1413
Marion County

Dear Mr. DeMenzes:

The purpose of this letter is to inform you that the Department's enforcement case against Tradewinds Utilities Inc. has been closed. A records review conducted on October 26, 2022, found that the requirements of Consent Order OGC File No.: 20-1413 have been satisfied.

The Department appreciates your efforts and cooperation in bringing this facility into compliance with state and federal rules. Should you have any questions or comments, please contact Carolyn Hall at 407-897-4114 or via e-mail at Carolyn.Hall@floridadep.gov.

Sincerely,

Aaron Watkins,
Director, Central District

Init/init

cc: Laurie Roughton, OGC
Daun Festa, Central District
Carolyn Hall, Central District

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

December 2, 2022

Charles DeMenzes, Owner
Tradewinds Utilities Inc
2925 NE 43rd Place
Ocala, Florida 34478
charlie@altfo.com

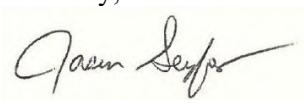
Re: Tradewinds WWTF
DW Facility ID #FLA010699
Marion County

Dear Mr. DeMenzes:

Department personnel conducted an inspection of the above-referenced facility on November 15, 2022. Based on the information provided during and after the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records, and any non-compliance items which may have been identified at the time of the inspection have been corrected.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Carolyn Hall at 407-897-4114 or via e-mail at Carolyn.Hall@FloridaDEP.gov.

Sincerely,



Jason Seyfert, Environmental Administrator
Central District
Florida Department of Environmental Protection

Enclosure: Inspection Report, Inspection Photo Log

cc: Carolyn Hall, Central District
Charles Legros, Central District
Reuben Law randkenvironmental@outlook.com
Bates, Brian Brian.Bates@marionfl.org

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTEWATER COMPLIANCE INSPECTION REPORT

Facility Name and Physical Address	WAFR ID	County	Entry Date	Entry Time
Tradewinds WWTF 2925 NE 43rd Pl. Ocala, FL 34479	FLA010699 **Facility Phone #** 352-622-4949	Marion	11/15/2022 **Exit Date** 11/15/2022	12:40 pm **Exit Time** 12:45 pm

LAT	29	°	13	'	54.37	"
LONG	82	°	5	'	48.28	"

Name(s) of Field Representatives(s) and Title	Operator Certification #	Email	Phone
Reuben Law	B-0012483	randkenvironmental@outlook.com	352-661-8952

Name & Address of Permittee / Designated Rep.	Title	Email	Phone
Charles Demenzes	Owner	charlie@altfo.com	352-622-4949

Inspection Type					Samples Taken(Y/N): N	Sample ID#: N/A	Samples Split (Y/N) : N
	R	I					

X **Domestic** ☐ **Industrial**

FACILITY COMPLIANCE AREAS EVALUATED

IC = In Compliance; MC = Minor Out of Compliance; NC = Out of Compliance; SC = Significant out of Compliance; NA = Not Applicable; NE = Not Evaluated
Significant Non-Compliance Criteria Should be Reviewed when Out of Compliance Ratings Are Given in Areas Marked by a "♦ "

	PERMITS/ORDERS		SELF MONITORING PROGRAM		FACILITY OPERATIONS		EFFLUENT/DISPOSAL
NE	1. ♦ Permit	NE	3. Laboratory	IC	6. Facility Site Review	NE	9. ♦ Effluent Quality
NE	2. ♦ Compliance Schedules	NE	4. Sampling	NA	7. Flow Measurement	NE	10. ♦ Effluent Disposal
		NE	5. ♦ Records & Reports	NE	8.♦ Operation & Maintenance	NE	11. Biosolids
						NE	12. ♦ Groundwater
NA	14. Other					NA	13. ♦ SSO Survey

Facility and/or Order Compliance Status:	X In-Compliance	☐ Out-Of -Compliance	☐ Significant-Out-Of-Compliance

Recommended Actions: **Compliance Letter**

Name(s) and Signature(s) of Inspector(s)	District Office/Phone Number	Date
Carolyn Hall	CD 407-897-4114	11/22/2022

Name and Signature of Reviewer	District Office/Phone Number	Date
Jason Seyfert	CD 407-897-4344	12/1/2022

Single Event Violations (*SNC SEVs)				
Check for Yes	**Evaluation Area**	**Description**	**Finding Description**	**Finding ID**
☐	Permit	Effluent Violations - Unapproved Bypass	Wastewater was diverted from a portion of the treatment process without department approval.	**UNBY**
☐	*Permit	Permit Violations - Discharge Without a Valid Permit	The facility was operating without a permit or with an expired permit.	**UPHI**
☐	Permit	Permit Violations - Failure to Submit Timely Permit Renewal Application	The permittee failed to submit an application to renew the existing permit at least 180 days prior to expiration.	**PFSA**
☐	Laboratory	Management Practice Violations - Laboratory Not Certified	The laboratory was not certified by the Florida Department of Health and therefore is not certified to meet NELAC standards.	**LNCE**
☐	Sampling	Monitoring Violations - Analysis not Conducted	The facility failed to collect and/or analyze samples as required by permit or enforcement action.	**ANCV**
☐	Sampling	Monitoring Violations - Failure to Monitor for Toxicity Requirements	The facility failed to collect and/or analyze routine or follow-up toxicity samples.	**FTOX**
☐	Records and Reports	Management Practice Violations - Failure to Develop Adequate SPCC Plan	The facility failed to develop or maintain their Spill Prevention Control and Countermeasures (SPCC) plan.	**FSPC**
☐	Records and Reports	Management Practice Violations - Failure to Maintain Records	The facility failed to maintain records for the required retention period.	**FMRR**
☐	Records and Reports	Reporting Violations - Failure to Notify	The permittee failed to notify the department of any event or activity that requires notification as required by permit or rule.	**RSWP**
☐	Records and Reports	Reporting Violations - Failure to Submit DMRs	The permittee failed to submit any DMR required by rule, permit, or enforcement action in a timely manner.	**FDMR**
☐	Records and Reports	Reporting Violations - Failure to submit required report (non-DMR, non-pretreatment)	The facility failed to submit any report required by rule, permit, enforcement action or inspection activity except for DMRs.	**FRPT**
☐	Facility Site Review	Management Practice Violations - Improper Land Application (non-503, non-CAFO)	The land application system was not being maintained.	**LASN**
☐	Flow Measurement	Monitoring Violations - No Flow Measurement Device	The facility failed to install a flow measurement device, an approved flow measurement device, or a working flow measurement device.	**NOFL**
☐	Operation and Maintenance	Management Practice Violations - Improper Operation and Maintenance	The facility failed to follow their operation and maintenance plan/manual or their Biosolids Nutrient Management Plan.	**IONM**
☐	Operation and Maintenance	Management Practice Violations - Inflow/Infiltration (I/I)	The facility had an inflow and infiltration problem causing collection system issues and/or operational issues.	**ININ**
☐	Operation and Maintenance	Management Practice Violations - No Licensed/Certified Operator	The facility was being operated without a certified operator or by an operator that is not licensed for the size of plant.	**ONCO**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent acute toxicity has been documented through follow-up tests.	**EATX**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent chronic toxicity has been documented through follow-up tests.	**ECTX**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent acute or chronic toxicity has been documented in the effluent through the use of routine and follow-up tests.	**ETOX**
☐	Effluent Quality	Effluent Violations - Narrative Effluent Violation	The facility violated a permit or enforcement narrative effluent limit.	**XNEV**
☐	*Effluent Quality	Effluent Violations - Reported Fish Kill	The facility had a discharge of wastewater that resulted in a fish kill.	**XFSH**
☐	Sanitary Sewer Overflow Survey	WW SSO - Discharge to Waters	A sewage spill from any components of a collection/transmission system or from a treatment plant reached surface waters including stormwater conveyance system or drainage ditch.	**SSO1**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to Maintain Records or Meet Record Keeping Requirements	The facility failed to keep routine documentation and reporting records of spills, and/or operation and maintenance activities on the collection/transmission system.	**SSO2**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to monitor	The facility failed to collect and/or analyze bacteriological samples for sewage spills that reached surface waters.	**SSO3**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to report violation that may endanger public health 122.41(l)(7)	The facility failed to report a sewage spill within 24 hours of discovery.	**SSO4**
☐	Sanitary Sewer Overflow Survey	WW SSO - Improper Operation and Maintenance	The facility failed to perform routine preventative maintenance to keep the collection/transmission system in good working order.	**SSO5**
☐	Sanitary Sewer Overflow Survey	WW SSO - Overflow to Dry Land	A sewage spill from any part of a collection/transmission system or treatment plant that did not make it to surface waters, i.e., stormwater collection system, drainage ditch, stream, pond, or lake.	**SSO6**

Facility Treatment Summary:
An existing 0.081-million-gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids. R-001 consists of a three-day clay-lined holding pond and a 2.34 acre sprayfield located approximately at latitude 29°13' 59" N, longitude 82°5' 45" W.

1. ♦Permit: Not Evaluated

Current Permit available on-site?	See Observation
Date Permit issued	December 22,2015
Date Permit Expires	December 21, 2020
Permit Renewal Application due by	See Observation
Administrative or Judicial Orders?	Administrative Order

1.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned.

1.2 Observation: The facility is within the Silver Springs BMAP, AO-SS-16-016.

2. ♦Compliance Schedules: Not Evaluated

Compliance Schedule in Permit met?	See Observation
Compliance Schedules in Order are being met?	See Observation

2.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

3. Laboratory: Not Evaluated

Contract Lab Name and Certification #	See Observation
Facility NELAC Certification #	See Observation

3.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned
Additional Comments:

4. Sampling: Not Evaluated

Sampling conducted during inspection?	See Observation
Sampling observed during inspection?	See Observation
Sampling conducted at locations identified by the permit?	See Observation
Safe access to sampling locations?	See Observation

4.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

5. ♦**Records and Reports:** Not Evaluated

Documents/Records reviewed	Time frame
Discharge Monitoring Reports (DMRs)	See Observation

5.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

6. Facility Site Review: In-Compliance

6.1 Observation: The WWTF has been abandoned and demoed. See photo log.

7. Flow Measurement: Not Evaluated

Flow meter present and location as per permit?	See Observation
Easy access to flow meter?	See Observation
Date of last flow meter calibration	See Observation

7.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

8. ♦**Operation and Maintenance:** Not Evaluated

Facility being operated as per permit?	See Observation

8.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

9. ♦**Effluent Quality:** Not Evaluated

DMRs review period	See Observation
Any exceedances?	See Observation

9.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

10. ♦**Effluent Disposal:** Not Evaluated

Facility discharging?	No
Discharge location(s) as per permit?	See Observation

10.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned. The holding pond has been filled in. The sprayfield is no longer in operation.

11. Biosolids: Not Evaluated

11.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

12. ♦Groundwater Quality: Not Evaluated

DMRs review period	See Observation
Any exceedances?	See Observation
All monitoring wells accessible, secured & locked?	See Observation

12.1 Observation: MWC-1 was not evaluated for abandonment.

13. ♦SSO Survey: Not Evaluated

Does the facility have an Operation and Maintenance Manual for their collection system?	See Observation
Does the facility track spills in their collection system?	See Observation
Does the facility have procedures for minimizing spills?	See Observation
Are those procedures included in the Operation and Maintenance Manual or in a separate document?	See Observation
How often is the manual updated?	See Observation

13.1 Observation: The facility has connected to Marion County Utilities. The WWTF has been abandoned

14. Other: Not Applicable

14.1 Observation: This section is not applicable.

Florida Department of Environmental Protection

Inspection Photo Log



Permit No.: FLA010699
Facility/Site Name: Tradewinds WWTF

Photo #: DSCN7211
Date: 11/15/202
Time: 12:40 PM
Captured by: Sean Boyles

Details:

Confirmation of demo of WWTF.

Florida Department of Environmental Protection

Inspection Photo Log



Permit No.: FLA010699
Facility/Site Name: Tradewinds WWTF

Photo #: DSCN7712
Date: Nov 15, 2022
Time: 12:45 PM
Captured by: Sean Boyles

Details:

Confirmation of demo of WWTF.

From: LeGros, Charles
To: DEP_CD
Cc: Courneya, Alex; Hall, Carolyn
Subject: FW: Tradewinds well abandonment report
Date: Tuesday, February 14, 2023 1:12:21 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
Completion.pdf
2925 NE 43rd Pl - Google Maps.pdf

Please insert into oculus under wastewater construction/operation incoming correspondence FLA010699

From: Bates, Brian <Brian.Bates@marionfl.org>
Sent: Tuesday, February 14, 2023 1:03 PM
To: LeGros, Charles <Charles.LeGros@dep.state.fl.us>
Subject: Tradewinds

EXTERNAL MESSAGE
This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Chuck,
The last thing we had to do was properly abandon an existing monitoring well on our Tradewinds WWTP Abandonment project.
Attached is the completion report.
Please let me know if you need additional information or have any questions.
Thank you,

Brian P. Bates, P.E.
Senior Engineer
Utilities

Marion County Board of County Commissioners
11800 SE US Hwy 441
Belleview, FL 34420
Main: 352-307-6000 | Direct: 352-307-6164 | Cell: 352-512-4936

Empowering Marion for Success!

Under Florida law, emails to our organization are public records. If you do not want your email reviewed in response to a public records request, contact this office by phone.

From: Dana Scott <dana@pdsflorida.com>
Sent: Tuesday, February 14, 2023 10:15 AM
To: Bates, Brian <Brian.Bates@marionfl.org>; PDS Accounting <accounting@pdsflorida.com>
Subject: RE: NEW INV # 32480

CAUTION: THIS MESSAGE IS FROM AN EXTERNAL SENDER

This email originated from outside the organization. Do not click links, open attachments, or share any information unless you recognize the sender and know the content is safe. Report suspicious emails using the “Phish Alert” button in Outlook or contact the Helpdesk.

Brian,
Attached is the well completion report for you.
Thanks,

Dana Scott
Accounting Administrator
Preferred Drilling Solutions, Inc
727-561-7477 ext 107
dana@pdsflorida.com
www.pdsflorida.com
8820 66th Street North, Pinellas Park, FL 33782

From: Bates, Brian <Brian.Bates@marionfl.org>
Sent: Monday, February 13, 2023 2:29 PM
To: PDS Accounting <accounting@pdsflorida.com>
Subject: RE: NEW INV # 32480
Dana,
Invoice has been forwarded for processing. Would y6ou please forward a copy of completion report submitted to FDEP?
Thank you,

Brian P. Bates, P.E.
Senior Engineer
Utilities

Marion County Board of County Commissioners
11800 SE US Hwy 441
Belleview, FL 34420
Main: 352-307-6000 | Direct: 352-307-6164 | Cell: 352-512-4936

Empowering Marion for Success!

Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

From: PDS Accounting <accounting@pdsflorida.com>
Sent: Wednesday, February 8, 2023 7:11 AM
To: Bates, Brian <Brian.Bates@marionfl.org>
Subject: NEW INV # 32480

CAUTION: THIS MESSAGE IS FROM AN EXTERNAL SENDER
This email originated from outside the organization. Do not click links, open attachments, or share any information unless you recognize the sender and know the content is safe. Report suspicious emails using the “Phish Alert” button in Outlook or contact the Helpdesk.

Brian,
Attached is the invoice for the Tradewinds WWTF FLA #010699 site.
Thanks,

Dana Scott
Accounting Administrator
Preferred Drilling Solutions, Inc

727-561-7477 **ext 107**
dana@pdsflorida.com
www.pdsflorida.com
8820 66th Street North, Pinellas Park, FL 33782

STATE OF FLORIDA WELL COMPLETION REPORT

☐ Southwest
☐ Northwest
☒ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
☒ Delegated Authority (If Applicable) **MARION**

PLEASE, FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)

Date Stamp
Received:
Feb 8, 2023 4:27 pm
Official Use Only

1.*Permit Number **923565** *CUP/WUP Number _____ *DID Number _____ 62-524 Delineation No. _____

2.*Number of permitted wells constructed, repaired, or abandoned **1** *Number of permitted wells not constructed, repaired, or abandoned **1**

3.*Owner's Name **Tradewinds Utilities Inc** 4.*Completion Date **01/20/2023** 5. Florida Unique ID _____

6. **2925 NE 43RD PL** **OCALA** **34479**
*Well Location - Address, Road Name or Number, City, ZIP

7. *County **Marion** *Section **34** Land Grant _____ *Township **14** *Range **22**

8. Latitude **29 13 53.55** Longitude **82 05 48.66**

9. Data Obtained From: ___GPS __X__Map ___Survey Datum: ___NAD 27 __X__NAD 83 ___WGS 84

10.*Type of Work: ___Construction ___Repair ___Modification X Abandonment

11.*Specify Intended Use(s) of Well(s):
___Domestic ___Landscape Irrigation ___Agricultural Irrigation ___Site Investigation
___Bottled Water Supply ___Recreation Area Irrigation ___Livestock ___Monitoring
___Public Water Supply (Limited Use/DOH) ___Nursery Irrigation ___Test
___Public Water Supply (Community or Non-Community/DEP) ___Commercial/Industrial ___Earth-Coupled Geothermal
___Class I Injection ___Golf Course Irrigation ___HVAC Supply
Class V Injection: ___Recharge ___ Commercial/Industrial Disposal ___Aquifer Storage and Recovery ___Drainage ___HVAC Return
Remediation: ___Recovery ___Air Sparge ___Other (Describe) _____
X Other (Describe) **PLUGGED**

12.*Drill Method: ___Auger ___Cable Tool ___Rotary ___Combination (Two or More Methods) ___Jetted ___Sonic
___Horizontal Drilling ___Hydraulic Point (Direct Push) X Other **PLUGGED BY APPROVED METHOD**

13.*Measured Static Water Level **12.0** ft. Measured Pumping Water Level ___ ft. After ___ Hours at ___ GPM

14.*Measuring Point (Describe) _____ Which is ___ ft. ___Above ___Below Land Surface *Flowing: ___Yes ___No

15.*Casing Material: ___Black Steel ___Galvanized X PVC ___Stainless Steel ___Not Cased ___Other _____

16.*Total Well Depth **30.0** ft. Cased Depth **30.0** ft. *Open Hole: From ___ To ___ ft. *Screen: From ___ To ___ ft. Slot Size ___

17.*Abandonment: X Other (Explain) PLUGGED
2"From 0.00 ft. To 30.00 ft. No. of Bags 0.60 Seal Material (Check One): X Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

18.*Surface Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

19.*Primary Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

20.*Liner Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

21.*Telescope Casing Diameter and Depth:
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___
Dia ___ in. From ___ ft. To ___ ft. No. of Bags ___ Seal Material (Check One): ___Neat Cement ___Bentonite ___Other ___

22. Pump Type (If Known):
___Centrifugal ___Jet ___Submersible ___Turbine
Horsepower ___ Pump Capacity (GPM) ___
Pump Depth ___ ft. Intake Depth ___ ft.

23. Chemical Analysis (When Required):
Iron ___ ppm Sulfate ___ ppm Chloride ___ ppm
___Laboratory Test ___Field Test Kit

24. Water Well Contractor:

*Contractor Name **Gregory W Campbell** *License Number **2613** E-mail Address **shannon@pdsflorida.com**

*Contractor's Signature **Digitally Signed** *Driller's Name (Print or Type) **Henry Colston**
(I certify that the information provided in this report is accurate and true.)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE: (352) 796-7211 or (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1429
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712
(U.S. Highway 90, 10 miles west of Tallahassee)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 or (800) 226-1066 (Florida only)
WWW.MYSUWANNEERIVER.COM

***DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
From	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	

Comments: Finish: PLUGGED
Plugged MWC-1

***Detailed Site Map of Well Location**



Give distances from all reference points or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well.

Google Maps

2925 NE 43rd Pl

Tradewinds WWTF



Imagery ©2022 Maxar Technologies, U.S. Geological Survey, Map data ©2022 20 ft

NOTICE OF APPLICATION FOR AUTHORITY TO TRANSFER WATER AND WASTEWATER CERTIFICATES OF AUTHORIZATION TO ANOTHER REGULATED UTILITY

DOCKET NO. 20220063-WS

APPLICATION FOR TRANSFER OF WATER AND WASTEWATER FACILITIES OF TRADEWINDS UTILITIES, INC., WATER CERTIFICATE 405-W, AND WASTEWATER CERTIFICATE 342-S TO CSWR-FLORIDA UTILITY OPERATING COMPANY, LLC, IN MARION COUNTY

DATE OF CUSTOMER NOTICE - 04/04/2023

Notice is hereby given that CSWR-Florida Utility Operating Company, LLC ("Central States Water Resources") has filed an Application for Approval of Transfer of the Water and Wastewater Systems of Tradewinds Utilities, Inc. in Marion County, Florida, pursuant to Section 360.071, Florida Statutes, and Rule 25-30.037, Florida Administrative Code.

Central States Water Resources is not requesting a change to rates, classifications, charges, or rules and regulations; therefore, your current rates will not be affected by this transfer. The Tradewinds Utilities water and wastewater systems provide service to Tradewinds Village, Countryside Estates, Pearl Britain Plaza, Pearl Britain Estates, part of the George S. Mayo Subdivision and the surrounding community in the following described service territory in Marion County, Florida:

The following is a simplified legal description of the Utility's service territory. For the full legal description, please contact Central States Water Resources at the contact information below.

LEGAL DESCRIPTION

A portion of Sections 34 and 35, Township 14 South, Range 22 East, Marion County, Florida.

Common Street Names Affected by Transfer: NE 25th Avenue, NE 42nd Place, NE 45th Street, NE 25th Terrace, NE 44th Street, NE 43rd Place, NE 27th Court, NE 44th Place, NE 33rd Avenue, NE 34th Court, NE 30th Court, NE 32nd Circle, NE 41st Place, NE 35th Avenue Road, NE 36th Avenue, NE 44th Lane, NE 42nd Lane, NE 42nd Street, NE 41st Street, NE 40th Place, NE 40th Street

For more information concerning this notice, please contact the Utility at the address below:

Central States Water Resources 1650 Des Peres
Rd., Suite 303 St. Louis, MO 63131
Office: (314) 736-4672
Fax: (314) 736-4743
Email address: regulatory@cswrgroup.com

Any objection to the application must be filed with the Office of Commission Clerk, Florida Public Service Commission, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, no later than thirty (30) days after the last date that the notice was mailed or published, whichever is later.

RECEIVED
APR 10 2023
DEP Central District

CSWR-Florida UOC
1630 Des Peres RD, Suite 140
St. Louis, MO 63131

AUTO MIXED AADC 750
CWC0330A *** 7000000053 00.0001.0053 53/1

DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD STE 232
ORLANDO FL 32803-3767

EXHIBIT 4

CLASS "A" OR "B"

WATER AND/OR WASTEWATER UTILITIES
(Gross Revenue of More Than $200,000 Each)

ANNUAL REPORT

OF

WS350-17-AR

OFFICIAL COPY
Public Service Commission
Do Not Remove From This Office

Tradewinds Utilities, Inc
PO Box 5220
Ocala, FL 34478-5220

WS350
Certificate Number(s)

Submitted To The

STATE OF FLORIDA

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED December 31, 2017

Form PSC/ECR 003-W (Rev. 12/99)

GENERAL INSTRUCTIONS

1. Prepare this report in conformity with the 1996 National Association of Regulatory Utility Commissioners Uniform System of Accounts for Water and/or Wastewater Utilities (USOA).

2. Interpret all accounting words and phrases in accordance with the USOA.

3. Complete each question fully and accurately, even if it has been answered in a previous annual report. Enter the word "None" where it truly and completely states the fact.

4. For any question, section, or page which is not applicable to the respondent, enter the words "Not Applicable". Do not omit any pages.

5. Where dates are called for, the month and day should be stated as well as the year.

6. All schedules requiring dollar entries should be rounded to the nearest dollar unless otherwise specifically indicated.

7. Complete this report by means which result in a permanent record, such as by computer or typewriter.

8. If there is not enough room on any schedule, an additional page or pages may be added; provided the format of the added schedule matches the format of the schedule with not enough room. Such a schedule should reference the appropriate schedules, state the name of the utility, and state the year of the report.

9. If it is necessary or desirable to insert additional statements for the purpose of further explanation of schedules, such statement should be made at the bottom of the page or an additional page inserted. Any additional pages should state the name of the utility, the year of the report, and reference the appropriate schedule.

10. For water and wastewater utilities with more than one rate group and/or system, water and wastewater pages should be completed for each rate group and/or system group. These pages should be grouped together and tabbed by rate group and/or system.

11. All other water and wastewater operations not regulated by the Commission and other regulated industries should be reported as "Other than Reporting Systems".

12. Financial information for multiple systems charging rates which are covered under the same tariff should be reported as one system. However, the engineering data must be reported by individual system.

13. For water and wastewater utilities with more than one system, one (1) copy of workpapers showing the consolidation of systems for the operating sections, should be filed with the annual report.

14. The report should be filled out in quadruplicate and the original and two copies returned by March 31, of the year following the date of the report. The report should be returned to:

Florida Public Service Commission
Division of Economic Regulation
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

The fourth copy should be retained by the utility.

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
EXECUTIVE SUMMARY			
Certification	E-1	Business Contracts with Officers, Directors and Affiliates	E-7
General Information	E-2	Affiliation of Officers and Directors	E-8
Directory of Personnel Who Contact the FPSC	E-3	Businesses which are a Byproduct, Coproduct or Joint Product Result of Providing Service	E-9
Company Profile	E-4	Business Transactions with Related Parties. Part I and II	E-10
Parent / Affiliate Organization Chart	E-5		
Compensation of Officers & Directors	E-6		
FINANCIAL SECTION			
Comparative Balance Sheet - Assets and Other Debits	F-1	Unamortized Debt Discount / Expense / Premium	F-13
Comparative Balance Sheet - Equity Capital and Liabilities	F-2	Extraordinary Property Losses	F-13
Comparative Operating Statement	F-3	Miscellaneous Deferred Debits	F-14
Year End Rate Base	F-4	Capital Stock	F-15
Year End Capital Structure	F-5	Bonds	F-15
Capital Structure Adjustments	F-6	Statement of Retained Earnings	F-16
Utility Plant	F-7	Advances from Associated Companies	F-17
Utility Plant Acquisition Adjustments	F-7	Other Long Term Debt	F-17
Accumulated Depreciation	F-8	Notes Payable	F-18
Accumulated Amortization	F-8	Accounts Payable to Associated Companies	F-18
Regulatory Commission Expense - Amortization of Rate Case Expense	F-9	Accrued Interest and Expense	F-19
Nonutility Property	F-9	Miscellaneous Current & Accrued Liabilities	F-20
Special Deposits	F-9	Advances for Construction	F-20
Investments and Special Funds	F-10	Other Deferred Credits	F-21
Accounts and Notes Receivable - Net	F-11	Contributions In Aid of Construction	F-22
Accounts Receivable from Associated Companies	F-12	Accumulated Amortization of CIAC	F-22
Notes Receivable from Associated Companies	F-12	Reconciliation of Reported Net Income with Taxable Income for Federal Income Taxes	F-23
Miscellaneous Current & Accrued Assets	F-12		

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
WATER OPERATION SECTION			
Water Listing of System Groups	W-1	CIAC Additions / Amortization	W-8
Year End Water Rate Base	W-2	Water Operating Revenue	W-9
Water Operating Statement	W-3	Water Utility Expense Accounts	W-10
Water Utility Plant Accounts	W-4	Pumping and Purchased Water Statistics, Source Supply	W-11
Basis for Water Depreciation Charges	W-5	Water Treatment Plant Information	W-12
Analysis of Entries in Water Depreciation Reserve	W-6	Calculation of ERC's	W-13
Contributions In Aid of Construction	W-7	Other Water System Information	W-14
WASTEWATER OPERATION SECTION			
Wastewater Listing of System Groups	S-1	Contributions In Aid of Construction	S-7
Year End Wastewater Rate Base	S-2	CIAC Additions / Amortization	S-8
Wastewater Operating Statement	S-3	Wastewater Operating Revenue	S-9
Wastewater Utility Plant Accounts	S-4	Wastewater Utility Expense Accounts	S-10
Basis for Wastewater Depreciation Charges	S-5	Calculation of ERC's	S-11
Analysis of Entries in Wastewater Depreciation Reserve	S-6	Wastewater Treatment Plant Information	S-12
		Other Wastewater System Information	S-13

EXECUTIVE SUMMARY

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

CERTIFICATION OF ANNUAL REPORT

I HEREBY CERTIFY, to the best of my knowledge and belief:

YES	NO		
X		1.	The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission.
X		2.	The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.
X		3.	There have been no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices that could have a material effect on the the financial statement of the utility.
X		4.	The annual report fairly represents the financial condition and results of operations of the respondent for the period presented and other information and statements presented in the the report as to the business affairs of the respondent are true, correct and complete for the period for which it represents.

Items Certified

1.	2.	3.	4.
X	X	X	X

Charles deMenzes

(Signature of Chief Executive Officer of the utility) *

1.	2.	3.	4.

(Signature of Chief Financial Officer of the utility) *

* Each of the four items must be certified YES or NO. Each item need not be certified by both officers. The items being certified by the officer should be indicated in the appropriate area to the left of the signature.

NOTICE: Section 837.06, Florida Statutes, provides that any person who knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his duty shall be guilty of a misdemeanor of the second degree.

ANNUAL REPORT OF

YEAR OF REPORT
December 31, 2017

Tradewinds Utilities, Inc — County: Marion

(Exact Name of Utility)

List below the exact mailing address of the utility for which normal correspondence should be sent:
PO Box 5220
Ocala, FL 34478-5220

Telephone: 352 622-4949
E Mail Address: charlie@altfo.com
WEB Site:

Sunshine State One-Call of Florida, Inc. Member Number MIR598

Name and address of person to whom correspondence concerning this report should be addressed:
Charles deMenzes
PO Box 5220
Ocala, FL 34478
Telephone: 352 622-4949

List below the address of where the utility's books and records are located:
1552 SW 7th Road
Ocala, FL 34470

Telephone: 352 622-4949

List below any groups auditing or reviewing the records and operations:

Date of original organization of the utility: February 11, 1983

Check the appropriate business entity of the utility as filed with the Internal Revenue Service

Individual	Partnership	Sub S Corporation	1120 Corporation
		X	

List below every corporation or person owning or holding directly or indirectly 5% or more of the voting securities of the utility:

	Name	Percent Ownership
1.	Charles deMenzes Revocable Trust	100%

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

DIRECTORY OF PERSONNEL WHO CONTACT THE FLORIDA PUBLIC SERVICE COMMISSION

NAME OF COMPANY REPRESENTATIVE (1)	TITLE OR POSITION (2)	ORGANIZATIONAL UNIT TITLE (3)	USUAL PURPOSE FOR CONTACT WITH FPSC
Charles deMenzes	President	Tradewinds Utilities, Inc.	All Utility Matters
Deborah Dillon	Vice President	Tradewinds Utilities, Inc.	All Utility Matters

(1) Also list appropriate legal counsel, accountants and others who may not be on general payroll.
(2) Provide individual telephone numbers if the person is not normally reached at the company.
(3) Name of company employed by if not on general payroll.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPANY PROFILE

Provide a brief narrative company profile which covers the following areas:

A. Brief company history.
B. Public services rendered.
C. Major goals and objectives.
D. Major operating divisions and functions.
E. Current and projected growth patterns.
F. Major transactions having a material effect on operations.

A. The company was organized to provide potable water service to various subdivisions in Marion County

B. The company provides wastewater treatement and distribution services to customers in its certicated area.

C. The primary goal of the Company is to continue rendering quality service to its existing customers.

D. The Company provides water treatement and distribution services, only in Marion County

E. The Company expects to continue an average growth rate of approximately .05%

F. None

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

PARENT / AFFILIATE ORGANIZATION CHART

Current as of December 31, 2017

Complete below an organizational chart that show all parents, subsidiaries and affiliates of the utility.
The chart must also show the relationship between the utility and affiliates listed on E-7, E-10(a) and E-10(b).

Tradewinds Utilities, Inc

MIRA International, Inc

Tradewinds Utilities, Inc and Mira International, Inc have common ownership

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPENSATION OF OFFICERS

For each officer, list the time spent on respondent as an officer compared to time spent on total business activities and the compensation received as an officer from the respondent.

NAME (a)	TITLE (b)	% OF TIME SPENT AS OFFICER OF THE UTILITY (c)	OFFICERS' COMPENSATION (d)
Charles deMenzes	President	60%	$
Deborah Dillon	Vice President	60%	$ 30,000

COMPENSATION OF DIRECTORS

For each director, list the number of director meetings attended by each director and the compensation received as a director from the respondent.

NAME (a)	TITLE (b)	NUMBER OF DIRECTORS' MEETINGS ATTENDED (c)	DIRECTORS' COMPENSATION (d)
Charles deMenzes	Chairman/Pres	1	$
Deborah Dillon	Sec/Treasurer	1	20,000

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

BUSINESS CONTRACTS WITH OFFICERS, DIRECTORS AND AFFILIATES

List all contracts, agreements, or other business arrangements* entered into during the calendar year (other than compensation related to position with Respondents) between the Respondent and officer and director listed on page E-6. In addition, provide the same information with respect to professional services for each firm, partnership, or organization with which the officer or director is affiliated.

NAME OF OFFICER, DIRECTOR OR AFFILIATE (a)	IDENTIFICATION OF SERVICE OR PRODUCT (b)	AMOUNT (c)	NAME AND ADDRESS OF AFFILIATED ENTITY (d)
MIRA International, Inc	See E-10(a)		

* Business Agreement, for this schedule, shall mean any oral or written business deal which binds the concerned parties for products or services during the reporting year or future years. Although the Respondent and/or other companies will benefit from the arrangement, the officer or director is, however, acting on his behalf or for the benefit of other companies or persons.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

AFFILIATION OF OFFICERS AND DIRECTORS

For each of the officials listed on page E-6, list the principal occupation or business affiliations or connections with any other business or financial organizations, firms, or partnerships. For purposes of this part, an official will be considered to have an affiliation with any business or financial organization, firm or partnership in which he is an officer, director, trustee, partner, or a person exercising similar functions.

NAME (a)	PRINCIPAL OCCUPATION OR BUSINESS AFFILIATION (b)	AFFILIATION OR CONNECTION (c)	NAME AND ADDRESS OF AFFILIATION OR CONNECTION (d)
Charles deMenzes	Management Company	Chairman/President	MIRA International, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	CFAT, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	BFF Corp 1552 SW 7th Road, Ocala
Charles deMenzes	Phone Company	Chairman	Alternative Phone, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Francis Marion Military Academy (Charter Public Sch)	Chairman/President	3443 SW 20th St Ocala, FL

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

BUSINESSES WHICH ARE A BY-PRODUCT, COPRODUCT OR JOINT-PRODUCT RESULT OF PROVIDING WATER OR WASTEWATER SERVICE

Complete the following for any business which is conducted as a byproduct, coproduct, or joint product as a result of providing water and / or wastewater service. This would include any business which requires the use of utility land and facilities. Examples of these types of businesses would be orange groves, nurseries, tree farms, fertilizer manufacturing, etc. This would not include any business for which the assets are properly included in Account 121 - Nonutility Property along with the associated revenue and expenses segregated out as nonutility also.

	ASSETS		**REVENUES**		**EXPENSES**	
BUSINESS OR SERVICE CONDUCTED (a)	**BOOK COST OF ASSETS (b)**	**ACCOUNT NUMBER (c)**	**REVENUES GENERATED (d)**	**ACCOUNT NUMBER (e)**	**EXPENSES INCURRED (f)**	**ACCOUNT NUMBER (g)**
None	$		$		$	

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

BUSINESS TRANSACTIONS WITH RELATED PARTIES

List each contract, agreement, or other business transaction exceeding a cumulative amount of $500 in any on year, entered into between the Respondent and a business or financial organization, firm, or partnership named on pages E-2 and E-6, identifying the parties, amounts, dates and product, and asset, or service involved.

Part I. Specific Instructions: Services and Products Received or Provided

1. Enter in this part all transactions involving services and products received or provided.

2. Below are some types of transactions to include:
   - -management, legal and accounting services
   - -computer services
   - -engineering & construction services
   - -repairing and servicing of equipment
   - -material and supplies furnished
   - -leasing of structures, land, and equipment
   - -rental transactions
   - -sale, purchase or transfer of various products

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION SERVICE AND/OR NAME OF PRODUCT (b)	CONTRACT OR AGREEMENT EFFECTIVE DATES (c)	ANNUAL CHARGES (P)urchased (S)old (d)	ANNUAL CHARGES AMOUNT (e)
MIRA International, Inc	Billing,Computer Service	On-going	P	$
	Admin Services			33,750
	Payroll, Meter Reading			152,106
	Insurance, Office Space			17,250
	Materials, Supplies			17,860
	Repair, Service Equip			10,124
	Customer Relations			
	Customer Service			
	Annual PSC Reporting			8,000
	Hospitalization Benefits			25,000

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

BUSINESS TRANSACTIONS WITH RELATED PARTIES (Cont'd)

Part II. Specific Instructions: Sale, Purchase and Transfer of Assets

1. Enter in this part all transactions relating to the purchase, sale, or transfer of assets.

2 Below are examples of some types of transactions to include:
- -purchase, sale or transfer of equipment
- -purchase, sale or transfer of land and structures
- -purchase, sale or transfer of securities
- -noncash transfers of assets
- -noncash dividends other than stock dividends
- -write-off of bad debts or loans

3. The columnar instructions follow:

(a) Enter name of related party or company.
(b) Describe briefly the type of assets purchased, sold or transferred.
(c) Enter the total received or paid. Indicate purchase with "P" and sale with "S".
(d) Enter the net book value for each item reported.
(e) Enter the net profit or loss for each item reported. (column (c) - column (d))
(f) Enter the fair market value for each item reported. In space below or in a supplemental schedule, describe the basis used to calculate fair market value.

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION OF ITEMS (b)	SALE OR PURCHASE PRICE (c)	NET BOOK VALUE (d)	GAIN OR LOSS (e)	FAIR MARKET VALUE (f)
None		$	$	$	$

FINANCIAL SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	UTILITY PLANT			
101-106	Utility Plant	F-7	$ 2,294,485.01	$ 2,309,664.01
108-110	Less: Accumulated Depreciation and Amortization	F-8	1,495,371.00	1,544,356.00
	Net Plant		$ 799,114.01	$ 765,308.01
114-115	Utility Plant Acquisition adjustment (Net)	F-7	-	-
116 *	Other Utility Plant Adjustments			
	Total Net Utility Plant		$ 799,114.01	$ 765,308.01
	OTHER PROPERTY AND INVESTMENTS			
121	Nonutility Property	F-9	$ -	$ -
122	Less: Accumulated Depreciation and Amortization		-	-
	Net Nonutility Property		$ -	$ -
123	Investment in Associated Companies	F-10		
124	Utility Investments	F-10		
125	Other Investments	F-10		
126-127	Special Funds	F-10		
	Total Other Property & Investments		$ -	$ -
	CURRENT AND ACCRUED ASSETS			
131	Cash		$ 5,346.63	$ 522.31
132	Special Deposits	F-9	-	-
133	Other Special Deposits	F-9	-	-
134	Working Funds			
135	Temporary Cash Investments			
141-144	Accounts and Notes Receivable, Less Accumulated		(264.83)	(264.83)
	Provision for Uncollectible Accounts	F-11	42,365.51	36,635.36
145	Accounts Receivable from Associated Companies	F-12		
146	Notes Receivable from Associated Companies	F-12		
151-153	Material and Supplies			
161	Stores Expense			
162	Prepayments			
171	Accrued Interest and Dividends Receivable			
172 *	Rents Receivable			
173 *	Accrued Utility Revenues			
174	Miscellaneous Current and Accrued Assets	F-12		
	Total Current and Accrued Assets		$ 47,447.31	$ 36,892.84

* Not Applicable for Class B Utilities

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED DEBITS			
181	Unamortized Debt Discount & Expense	F-13	$ 2,098	$ 1,424
182	Extraordinary Property Losses	F-13		
183	Preliminary Survey & Investigation Charges		-	-
184	Clearing Accounts		-	-
185 *	Temporary Facilities		-	-
186	Miscellaneous Deferred Debits	F-14	-	-
187 *	Research & Development Expenditures		-	-
190	Accumulated Deferred Income Taxes		-	-
	Total Deferred Debits		$ 2,098	$ 1,424
	TOTAL ASSETS AND OTHER DEBITS		$ 848,659	$ 803,625

* Not Applicable for Class B Utilities

NOTES TO THE BALANCE SHEET

The space below is provided for important notes regarding the balance sheet.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	EQUITY CAPITAL			
201	Common Stock Issued	F-15	$ 200	$ 200
204	Preferred Stock Issued	F-15	-	-
202,205 *	Capital Stock Subscribed			
203,206 *	Capital Stock Liability for Conversion			
207 *	Premium on Capital Stock			
209 *	Reduction in Par or Stated Value of Capital Stock			
210 *	Gain on Resale or Cancellation of Reacquired Capital Stock			
211	Other Paid - In Capital		880,287	483,287
212	Discount On Capital Stock			
213	Capital Stock Expense			
214-215	Retained Earnings	F-16	(283,494)	(286,706)
216	Reacquired Capital Stock			
218	Proprietary Capital (Proprietorship and Partnership Only)			
	Total Equity Capital		$ 596,993	$ 196,781
	LONG TERM DEBT			
221	Bonds	F-15		
222 *	Reacquired Bonds			
223	Advances from Associated Companies	F-17	-	-
224	Other Long Term Debt	F-17	212,891	510,069
	Total Long Term Debt		$ 212,891	$ 510,069
	CURRENT AND ACCRUED LIABILITIES			
231	Accounts Payable		20,369	20,369
232	Notes Payable	F-18		-
233	Accounts Payable to Associated Companies	F-18	11,084	
234	Notes Payable to Associated Companies	F-18	-	-
235	Customer Deposits		26,151	27,241
236	Accrued Taxes	W/S-3	13,125	12,133
237	Accrued Interest	F-19		
238	Accrued Dividends			
239	Matured Long Term Debt			
240	Matured Interest			
241	Miscellaneous Current & Accrued Liabilities	F-20	581	581
	Total Current & Accrued Liabilities		$ 71,310	$ 60,324

* Not Applicable for Class B Utilities

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED CREDITS			
251	Unamortized Premium On Debt	F-13	$ -	$ -
252	Advances For Construction	F-20	-	-
253	Other Deferred Credits	F-21	-	-
255	Accumulated Deferred Investment Tax Credits			
	Total Deferred Credits		$ -	$ -
	OPERATING RESERVES			
261	Property Insurance Reserve		$ 1,639	$ 771
262	Injuries & Damages Reserve			
263	Pensions and Benefits Reserve			
265	Miscellaneous Operating Reserves			
	Total Operating Reserves		$ 1,639	$ 772
	CONTRIBUTIONS IN AID OF CONSTRUCTION			
271	Contributions in Aid of Construction	F-22	$ 863,171	$ 867,335
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	(791,468)	(831,656)
	Total Net C.I.A.C.		$ 71,703	$ 35,679
	ACCUMULATED DEFERRED INCOME TAXES			
281	Accumulated Deferred Income Taxes - Accelerated Depreciation		$	$
282	Accumulated Deferred Income Taxes - Liberalized Depreciation			
283	Accumulated Deferred Income Taxes - Other			
	Total Accumulated Deferred Income Tax		$ -	$ -
	TOTAL EQUITY CAPITAL AND LIABILITIES		$ 954,536	$ 803,625

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPARATIVE OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR * (e)
	UTILITY OPERATING INCOME			
400	Operating Revenues	F-3(b)	$ 390,330	$ 399,615
469, 530	Less: Guaranteed Revenue and AFPI	F-3(b)	-	-
	Net Operating Revenues		$ 390,330	$ 399,615
401	Operating Expenses	F-3(b)	$ 308,684	$ 335,973
403	Depreciation Expense:	F-3(b)	$ 48,814	$ 48,985
	Less: Amortization of CIAC	F-22	20,075	20,104
	Net Depreciation Expense		$ 28,739	$ 28,881
406	Amortization of Utility Plant Acquisition Adjustment	F-3(b)	-	-
407	Amortization Expense (Other than CIAC)	F-3(b)	-	(674)
408	Taxes Other Than Income	W/S-3	23,995	31,116
409	Current Income Taxes	W/S-3	-	-
410.10	Deferred Federal Income Taxes	W/S-3	-	-
410.11	Deferred State Income Taxes	W/S-3	-	-
411.10	Provision for Deferred Income Taxes - Credit	W/S-3	-	-
412.10	Investment Tax Credits Deferred to Future Periods	W/S-3	-	-
412.11	Investment Tax Credits Restored to Operating Income	W/S-3	-	-
	Utility Operating Expenses		$ 361,418	$ 395,296
	Net Utility Operating Income		$ 28,912	$ 4,319
469, 530	Add Back: Guaranteed Revenue and AFPI	F-3(b)	-	-
413	Income From Utility Plant Leased to Others		-	-
414	Gains (losses) From Disposition of Utility Property		-	-
420	Allowance for Funds Used During Construction		-	-
	Total Utility Operating Income [Enter here and on Page F-3(c)]		$ 28,912	$ 4,319

* For each account, Column e should agree with Columns f, g and h on F-3(b)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	WATER SCHEDULE W-3 * (f)	WASTEWATER SCHEDULE S-3 * (g)	OTHER THAN REPORTING SYSTEMS (h)
	UTILITY OPERATING INCOME			
400	Operating Revenues	$ 175,951	$ 223,664	$
469, 530	Less: Guaranteed Revenue and AFPI	-	$ -	
	Net Operating Revenues	$ 175,951	$ 223,664	$ -
401	Operating Expenses	$ 147,236	$ 188,737	$
403	Depreciation Expense:	28,811	$ 20,174	
	Less: Amortization of CIAC	8,946	$ 11,158	
	Net Depreciation Expense	$ 19,865	$ 9,016	$ -
406	Amortization of Utility Plant Acquisition Adjustment	-	$ -	
407	Amortization Expense (Other than CIAC)	-	$ -	(674)
408	Taxes Other Than Income	14,078	$ 17,038	
409	Current Income Taxes	-	$ -	
410.10	Deferred Federal Income Taxes	-	$ -	
410.11	Deferred State Income Taxes	-	$ -	
411.10	Provision for Deferred Income Taxes - Credit	-	$ -	
412.10	Investment Tax Credits Deferred to Future Periods	-	$ -	
412.11	Investment Tax Credits Restored to Operating Income	-	$ -	
	Utility Operating Expenses	$ 181,179	$ 214,791	$ (674)
	Net Utility Operating Income	$ (5,228)	$ 8,873	$ 674
469, 530	Add Back: Guaranteed Revenue and AFPI	-	$ -	
413	Income From Utility Plant Leased to Others	-	$ -	
414	Gains (losses) From Disposition of Utility Property	-	$ -	
420	Allowance for Funds Used During Construction	-	$ -	
	Total Utility Operating Income [Enter here and on Page F-3(c)]	$ (5,228)	$ 8,873	$ 674

* Total of Schedules W-3 / S-3 for all rate groups.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
Total Utility Operating Income [from page F-3(a)]			$ 28,912	$ 4,319
	OTHER INCOME AND DEDUCTIONS			
415	Revenues-Merchandising, Jobbing, and Contract Deductions		$	$
416	Costs & Expenses of Merchandising Jobbing, and Contract Work			
419	Interest and Dividend Income			
421	Nonutility Income			
426	Miscellaneous Nonutility Expenses			
Total Other Income and Deductions			$ -	$ -
	TAXES APPLICABLE TO OTHER INCOME			
408.20	Taxes Other Than Income		$	$
409.20	Income Taxes			
410.20	Provision for Deferred Income Taxes			
411.20	Provision for Deferred Income Taxes - Credit			
412.20	Investment Tax Credits - Net			
412.30	Investment Tax Credits Restored to Operating Income			
Total Taxes Applicable To Other Income			$ -	$ -
	INTEREST EXPENSE			
427	Interest Expense	F-19	$	$ (6,857)
428	Amortization of Debt Discount & Expense	F-13	(674)	(674)
429	Amortization of Premium on Debt	F-13		
Total Interest Expense			$ (674)	$ (7,531)
	EXTRAORDINARY ITEMS			
433	Extraordinary Income		$	$
434	Extraordinary Deductions			
409.30	Income Taxes, Extraordinary Items			
Total Extraordinary Items			$ -	$ -
NET INCOME			$ 28,238	$ (3,212)

Explain Extraordinary Income:

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SCHEDULE OF YEAR END RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	WATER UTILITY (d)	WASTEWATER UTILITY (e)
101	Utility Plant In Service	F-7	$ 1,244,203	$ 1,065,461
	Less: Nonused and Useful Plant (1)		-	
108	Accumulated Depreciation	F-8	683,470	860,886
110	Accumulated Amortization	F-8	-	-
271	Contributions in Aid of Construction	F-22	329,685	537,650
252	Advances for Construction	F-20	-	
	Subtotal		$ 231,048	$ (333,075)
272	Add: Accumulated Amortization of Contributions in Aid of Construction	F-22	326,772	504,884
	Subtotal		$ 557,820	$ 171,809
114	Plus or Minus: Acquisition Adjustments (2)	F-7	-	-
115	Accumulated Amortization of Acquisition Adjustments (2)	F-7	-	-
	Working Capital Allowance (3)		18,405	23,592
105	Other (Specify): Construction in Process		-	-
	RATE BASE		$ 576,224	$ 195,401
	NET UTILITY OPERATING INCOME		$ (5,228)	$ 8,873
	ACHIEVED RATE OF RETURN (Operating Income / Rate Base)		-0.91%	4.54%

NOTES :

(1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING (1)

CLASS OF CAPITAL (a)	DOLLAR AMOUNT (2) (b)	PERCENTAGE OF CAPITAL (c)	ACTUAL COST RATES (3) (d)	WEIGHTED COST (c x d) (e)
Common Equity	$ 200	0.000		0.00%
Preferred Stock	0			
Long Term Debt	510,069	0.949	4.00%	3.80%
Customer Deposits	27,241	0.051	2.00%	0.10%
Tax Credits - Zero Cost		-		
Tax Credits - Weighted Cost		-		
Deferred Income Taxes		-		
Other (Explain)		-		
		-		
Total	$ 537,510	100.00%		3.90%

(1) If the utility's capital structure is not used, explain which capital structure is used.

(2) Should equal amounts on Schedule F-6, Column (g).

(3) Mid-point of the last authorized Return On Equity or current leverage formula if none has been established.

Must be calculated using the same methodology used in the last rate proceeding using current annual report year end amounts and cost rates.

APPROVED RETURN ON EQUITY

Current Commission Return on Equity:	11.16%
Commission order approving Return on Equity:	100127-WS

APPROVED AFUDC RATE

COMPLETION ONLY REQUIRED IF AFUDC WAS CHARGED DURING YEAR

Current Commission Approved AFUDC rate:	%
Commission order approving AFUDC rate:	

If any utility capitalized any charge in lieu of AFUDC (such as interest only), state the basis of the charge, an explanation as to why AFUDC was not charged and the percentage capitalized.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SCHEDULE OF CAPITAL STRUCTURE ADJUSTMENTS
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING

CLASS OF CAPITAL (a)	PER BOOK BALANCE (b)	NON-UTILITY ADJUSTMENTS (c)	NON-JURISDICTIONAL ADJUSTMENTS (d)	OTHER (1) ADJUSTMENTS SPECIFIC (e)	OTHER (1) ADJUSTMENTS PRO RATA (f)	CAPITAL STRUCTURE (g)
Common Equity	$ 200	$	$	$	$	$
Preferred Stock						
Long Term Debt						
Customer Deposits						
Tax Credits - Zero Cost						
Tax Credits - Weighted Cost						
Deferred Inc. Taxes						
Other (Explain)						
Total	$ 200	$	$	$	$	$

(1) Explain below all adjustments made in Columns (e) and (f):

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

UTILITY PLANT
ACCOUNTS 101 - 106

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
	Plant Accounts:				
101	Utility Plant In Service	$ 1,244,203	$ 1,065,461	$	$ 2,309,664
102	Utility Plant Leased to Other				-
103	Property Held for Future Use				-
104	Utility Plant Purchased or Sold				-
105	Construction Work in Progress	-			-
106	Completed Construction Not Classified				-
	Total Utility Plant	$ 1,244,203	$ 1,065,461	$ -	$ 2,309,664

UTILITY PLANT ACQUISITION ADJUSTMENTS
ACCOUNTS 114 AND 115

Report each acquisition adjustment and related accumulated amortization separately.
For any acquisition adjustments approved by the Commission, include the Order Number.

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
114	Acquisition Adjustment	$			$ -
					-
					-
					-
					-
Total Plant Acquisition Adjustments		$ -	$ -	$ -	$ -
115	Accumulated Amortization	$			$ -
					-
					-
					-
					-
Total Accumulated Amortization		$ -	$ -	$ -	$ -
Net Acquisition Adjustments		$ -	$ -	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

ACCUMULATED DEPRECIATION (ACCT. 108) AND AMORTIZATION (ACCT. 110)

DESCRIPTION (a)	WATER (b)	WASTEWATER (c)	OTHER THAN REPORTING SYSTEMS (d)	TOTAL (e)
ACCUMULATED DEPRECIATION Account 108				
Balance first of year	$ 654,659	$ 840,712	$ -	$ 1,495,371
Credit during year:				
Accruals charged to:				
Account 108.1 (1)	$ 28,811	$ 20,174	$	$ 48,985
Account 108.2 (2)				-
Account 108.3 (2)				-
Other Accounts (specify):				-
				-
				-
Salvage				-
Other Credits (Specify):				-
				-
Total Credits	$ 28,811	$ 20,174	$ -	$ 48,985
Debits during year:				
Book cost of plant retired	-	-		-
Cost of Removal				-
Other Debits (specify):				-
				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ 683,470	$ 860,886	$ -	$ 1,544,356
ACCUMULATED AMORTIZATION Account 110				
Balance first of year	$	$	$	$ -
Credit during year:				
ruals charged to:				
	$	$	$	$ -
Account 110.2 (3)				-
Other Accounts (specify):				-
				-
Total credits	$ -	$ -	$ -	$ -
Debits during year:				
Book cost of plant retired				-
Other debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ -	$ -	$ -	$ -

(1) Account 108 for Class B utilities.

(2) Not applicable for Class B utilities.

(3) Account 110 for Class B utilities.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

REGULATORY COMMISSION EXPENSE
AMORTIZATION OF RATE CASE EXPENSE (ACCOUNTS 666 AND 766)

DESCRIPTION OF CASE (DOCKET NO.) (a)	EXPENSE INCURRED DURING YEAR (b)	CHARGED OFF DURING YEAR	
		ACCT. (d)	AMOUNT (e)
None	$		$
Total	$		$

NONUTILITY PROPERTY (ACCOUNT 121)

Report separately each item of property with a book cost of $25,000 or more included in Account 121.
Other Items may be grouped by classes of property.

DESCRIPTION (a)	BEGINNING YEAR (b)	ADDITIONS (c)	REDUCTIONS (d)	ENDING YEAR BALANCE (e)
None	$	$	$	$
Total Nonutility Property	$ -	$ -	$ -	$ -

SPECIAL DEPOSITS (ACCOUNTS 132 AND 133)

Report hereunder all special deposits carried in Accounts 132 and 133.

DESCRIPTION OF SPECIAL DEPOSITS (a)	YEAR END BOOK COST (b)
SPECIAL DEPOSITS (Account 132):	
	$
Total Special Deposits	$ -
OTHER SPECIAL DEPOSITS (Account 133):	
	$
Total Other Special Deposits	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

INVESTMENTS AND SPECIAL FUNDS
ACCOUNTS 123 - 127

Report hereunder all investments and special funds carried in Accounts 123 through 127.

DESCRIPTION OF SECURITY OR SPECIAL FUND (a)	FACE OR PAR VALUE (b)	YEAR END BOOK COST (c)
INVESTMENT IN ASSOCIATED COMPANIES (Account 123):	$	$
None		
Total Investment in Associated Companies		$
UTILITY INVESTMENTS (Account 124):	$	$
None		
Total Utility Investment		$
OTHER INVESTMENTS (Account 125):	$	$
None		
Total Other Investment		$
SPECIAL FUNDS (Class A Utilities: Accounts 126 and 127; Class B Utilities: Account 127):		$
None		
Total Special Funds		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

ACCOUNTS AND NOTES RECEIVABLE - NET
ACCOUNTS 141 - 144

Report hereunder all accounts and notes receivable included in Accounts 141, 142, and 144. Amounts included in Amounts included in Accounts 142 and 144 should be listed individually.

DESCRIPTION (a)		TOTAL (b)
CUSTOMER ACCOUNTS RECEIVABLE (Account 141):		
Water & Wastewater	$ 36,635	
Other		
Total Customer Accounts Receivable		$ 36,635
OTHER ACCOUNTS RECEIVABLE (Account 142):		
Employee accounts receivable	$	
Total Other Accounts Receivable		$ -
NOTES RECEIVABLE (Account 144):		
	$	
None		
Total Notes Receivable		$ -
Total Accounts and Notes Receivable		$ 36,635
ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (Account 143)		
Balance first of year	$	
Add: Provision for uncollectibles for current year	$	
Collection of accounts previously written off		
Utility Accounts		
Others		
Total Additions	$ -	
Deduct accounts written off during year:		
Utility Accounts		
Others		
Total accounts written off	$ -	
Balance end of year		$ -
TOTAL ACCOUNTS AND NOTES RECEIVABLE - NET		$ 36,635

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 145

Report each account receivable from associated companies separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$

NOTES RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 146

Report each note receivable from associated companies separately.

DESCRIPTION (a)	INTEREST RATE (b)	TOTAL (c)
	%	$
None	%	
	%	
	%	
	%	
	%	
	%	
Total		$

MISCELLANEOUS CURRENT AND ACCRUED ASSETS
ACCOUNT 174

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
	$
None	
Total Miscellaneous Current and Accrued Liabilities	$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT
ACCOUNTS 181 AND 251

Report the net discount and expense or premium separately for each security issue.

DESCRIPTION (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
UNAMORTIZED DEBT DISCOUNT AND EXPENSE (Account 181):	$	$
Unamortized Debt Discount	674	1,424
Total Unamortized Debt Discount and Expense	$ 674	$ 1,424
UNAMORTIZED PREMIUM ON DEBT (Account 251):	$	$
None		
Total Unamortized Premium on Debt	$	$ -

EXTRAORDINARY PROPERTY LOSSES
ACCOUNT 182

Report each item separately.

DESCRIPTION (a)	TOTAL (b)
	$
None	
Total Extraordinary Property Losses	$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

MISCELLANEOUS DEFERRED DEBITS
ACCOUNT 186

DESCRIPTION - Provide itemized listing **(a)**	**AMOUNT WRITTEN OFF DURING YEAR** **(b)**	**YEAR END BALANCE** **(c)**
DEFERRED RATE CASE EXPENSE (Class A Utilities: Account 186.1)		
	$	$
Total Deferred Rate Case Expense	$ -	$ -
OTHER DEFERRED DEBITS (Class A Utilities: Account 186.2):		
	$	
Total Other Deferred Debits	$ -	$ -
REGULATORY ASSETS (Class A Utilities: Account. 186.3):		
	$	$
Total Regulatory Assets	$ -	$ -
TOTAL MISCELLANEOUS DEFERRED DEBITS	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

CAPITAL STOCK
ACCOUNTS 201 AND 204*

DESCRIPTION (a)	RATE (b)	TOTAL (c)
COMMON STOCK		
Par or stated value per share	%	$ 1
Shares authorized		200
Shares issued and outstanding		200
Total par value of stock issued	%	$ 200
Dividends declared per share for year	%	$ -
PREFERRED STOCK		
Par or stated value per share	None %	$
Shares authorized		
Shares issued and outstanding		
Total par value of stock issued	%	$
Dividends declared per share for year	%	$

* Account 204 not applicable for Class B utilities.

BONDS
ACCOUNT 221

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

STATEMENT OF RETAINED EARNINGS

1. Dividends should be shown for each class and series of capital stock. Show amounts as dividends per share.
2. Show separately the state and federal income tax effect of items shown in Account No. 439.

ACCT. NO. (a)	DESCRIPTION (b)	AMOUNTS (c)
215	Unappropriated Retained Earnings:	
	Balance Beginning of Year	$ (283,494)
	Changes to Account:	
439	Adjustments to Retained Earnings (requires Commission approval prior to use):	
	Credits:	$
	Total Credits:	$ -
	Debits:	$
	Total Debits:	$ -
435	Balance Transferred from Income	$ (3,212)
436	Appropriations of Retained Earnings:	
	Total Appropriations of Retained Earnings	$ -
	Dividends Declared:	
437	Preferred Stock Dividends Declared	
438	Common Stock Dividends Declared Shareholder Distributions	
	Total Dividends Declared	$ -
215	Year end Balance	$ (286,706)
214	Appropriated Retained Earnings (state balance and purpose of each appropriated amount at year end):	
214	Total Appropriated Retained Earnings	$ -
Total Retained Earnings		$ (286,706)

Notes to Statement of Retained Earnings:

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

ADVANCES FROM ASSOCIATED COMPANIES
ACCOUNT 223

Report each advance separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$ -

OTHER LONG-TERM DEBT
ACCOUNT 224

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
	%		
State of Florida Revolving Fund Loan	2.99 %	Fixed	79,982
	%		
	%		
Regions Bank LC	6.50 %	Var	33,087
	%		
	%		
Stockholder Loan	0.00 %		397,000
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$ 510,069

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

NOTES PAYABLE
ACCOUNTS 232 AND 234

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
NOTES PAYABLE (Account 232):			
	%		$
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 232			$ -
NOTES PAYABLE TO ASSOC. COMPANIES (Account 234):			
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 234			$ -

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES
ACCOUNT 233

Report each account payable separately.

DESCRIPTION (a)	TOTAL (b)
	$
Mira International	
Total	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

ACCRUED INTEREST AND EXPENSE
ACCOUNTS 237 AND 427

DESCRIPTION OF DEBIT (a)	BALANCE BEGINNING OF YEAR (b)	INTEREST ACCRUED DURING YEAR ACCT. DEBIT (c)	INTEREST ACCRUED DURING YEAR AMOUNT (d)	INTEREST PAID DURING YEAR (e)	BALANCE END OF YEAR (f)
ACCOUNT NO. 237.1 - Accrued Interest on Long Term Debt	$		$	$	$
	-	427.4	6,857	6,857	
Total Account 237.1	$ -		$ 6,857	$ 6,857	$ -
ACCOUNT NO. 237.2 - Accrued Interest on Other Liabilities	$	427	$		$
Total Account 237.2	$ -		$ -	$ -	$ -
Total Account 237 (1)	$ -		$ 6,857	$ 6,857	$ -
INTEREST EXPENSED: Total accrual Account 237		237	$ 6,857		
Less Capitalized Interest Portion of AFUDC:					
Net Interest Expensed to Account No. 427 (2)			$ 6,857		

(1) Must agree to F-2 (a), Beginning and Ending Balance of Accrued Interest.

(2) Must agree to F-3 (c), Current Year Interest Expense

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES
ACCOUNT 241

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
Refund Checks Returned	$ 581
Total Miscellaneous Current and Accrued Liabilities	$ 581

ADVANCES FOR CONSTRUCTION
ACCOUNT 252

NAME OF PAYOR * (a)	BALANCE BEGINNING OF YEAR (b)	DEBITS		CREDITS (e)	BALANCE END OF YEAR (f)
		ACCT. DEBIT (c)	AMOUNT (d)		
	$	252	$		$ -
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
Total	$ -		$ -	$ -	$ -

* Report advances separately by reporting group, designating water or wastewater in column (a).

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

OTHER DEFERRED CREDITS
ACCOUNT 253

DESCRIPTION - Provide itemized listing **(a)**	**AMOUNT WRITTEN OFF DURING YEAR** **(b)**	**YEAR END BALANCE** **(c)**
REGULATORY LIABILITIES (Class A Utilities: Account 253.1):		
None	$	$
Total Regulatory Liabilities	$ -	$ -
OTHER DEFERRED LIABILITIES (Class A Utilities: Account 253.2):		
None	$	$
Total Other Deferred Liabilities	$ -	$ -
TOTAL OTHER DEFERRED CREDITS	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	WATER (W-7) (b)	WASTEWATER (S-7) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 329,685	$ 537,650	$	$ 867,335
Add credits during year:	$ -	-	-	-
Less debit charged during the year	$ -	$ -	$ -	$ -
Total Contribution In Aid of Construction	$ 329,685	$ 537,650	$ -	$ 867,335

ACCUMULATED AMORTIZATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 272

DESCRIPTION (a)	WATER (W-8(a)) (b)	WASTEWATER (S-8(a)) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 317,826	$ 493,726	$	$ 811,552
Debits during the year:	$ 8,946	11,158		$ 20,104
Credits during the year	$ -	$ -	$	$ -
Total Accumulated Amortization of Contributions In Aid of Construction	$ 326,772	$ 504,884	$ -	$ 831,656

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES (UTILITY OPERATIONS)

1. The reconciliation should include the same detail as furnished on Schedule M-1 of the federal tax return for the year. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount and show the computations of all tax accruals.

2. If the utility is a member of a group which files a consolidated federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating intercompany amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignments or sharing of the consolidated tax among the group members.

DESCRIPTION (a)	REF. NO. (b)	AMOUNT (c)
Net income for the year	F-3(c)	$ -
Reconciling items for the year:		
Taxable income not reported on books:		
		-
		-
		-
		-
Deductions recorded on books not deducted for return:		
		-
		-
		-
		-
Income recorded on books not included in return:		
		-
		-
		-
		-
Deduction on return not charged against book income:		
		-
		-
		-
		-
Federal tax net income		$ -

Computation of tax :

This Corporation is an "S" Corporation, therfore this schedule is not applicable

WATER OPERATION SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

WATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The water financial schedules (W-2 through W-10) should be filed for the group in total.
The water engineering schedules (W-11 through W-14) must be filed for each system in the group.
All of the following water pages (W-2 through W-14) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-10-AR	1

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

SCHEDULE OF YEAR END WATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WATER UTILITY (d)
101	Utility Plant In Service	W-4(b)	$ 1,244,203
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	W-6(b)	683,470
110	Accumulated Amortization		
271	Contributions in Aid of Construction	W-7	329,685
252	Advances for Construction		-
	Subtotal		$ 231,048
272	Add: Accumulated Amortization of Contributions in Aid of Construction	W-8(a)	$ 326,772
	Subtotal		$ 557,820
	Plus or Minus:		
114	Acquisition Adjustments (2)		-
115	Accumulated Amortization of Acquisition Adjustments (2)		-
	Working Capital Allowance (3)		18,405
	Other (Specify):		
105	Construction in Process		-
	WATER RATE BASE		$ 576,224
	WATER OPERATING INCOME	W-3	$ (5,228)
	ACHIEVED RATE OF RETURN (Water Operating Income / Water Rate Base)		-0.91%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	CURRENT YEAR (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	W-9	$ 175,951
469	Less: Guaranteed Revenue and AFPI	W-9	-
	Net Operating Revenues		$ 175,951
401	Operating Expenses	W-10(a)	$ 147,236
403	Depreciation Expense	W-6(a)	28,811
	Less: Amortization of CIAC	W-8(a)	8,946
	Net Depreciation Expense		$ 19,865
406	Amortization of Utility Plant Acquisition Adjustment		
407	Amortization Expense (Other than CIAC)		-
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		7,918
408.11	Property Taxes		1,480
408.12	Payroll Taxes		4,680
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 14,078
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 181,179
	Utility Operating Income		$ (5,228)
	Add Back:		
469	Guaranteed Revenue (and AFPI)	W-9	$ -
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ (5,228)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
301	1993 Rate Case Expense	$ 482	$		$ 482
302	Franchises	925			925
303	Land and Land Rights	182,500			182,500
304	Structures and Improvements	122,472			122,472
305	Collecting and Impounding Reservoirs	0			
306	Lake, River and Other Intakes	0			
307	Wells and Springs	0			
309	Supply Mains	2,469			2,469
310	Power Generation Equipment	19,733			19,733
311	Pumping Equipment	76,015			76,015
320	Water Treatment Equipment	6,568			6,568
330	Distribution Reservoirs and Standpipes	292,464			292,464
331	Transmission and Distribution Mains	282,945			282,945
333	Services	69,852			69,852
334	Meters and Meter Installations	162,613	8,226		170,839
335	Hydrants	8,000			8,000
336	Backflow Prevention Devices	0			
339	Other Plant Miscellaneous Equipment	305	1,157		1,462
340	Office Furniture and Equipment	5,740			5,740
341	Transportation Equipment	800			800
342	Stores Equipment	0			
343	Tools, Shop and Garage Equipment	937			937
344	Laboratory Equipment	0			
345	Power Operated Equipment	0			
346	Communication Equipment	0			
347	Miscellaneous Equipment	0			
349	Abandonment of Regional Plant	0			
	TOTAL WATER PLANT	$ 1,234,820	$ 9,383	$	$ 1,244,203

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 INTANGIBLE PLANT (d)	.2 SOURCE OF SUPPLY AND PUMPING PLANT (e)	.3 WATER TREATMENT PLANT (f)
301	1993 Rate Case Expense	$ 482	$ 482	$	$
302	Franchises	925	925		
303	Land and Land Rights	182,500		182,500	
304	Structures and Improvements	122,472		122,472	
305	Collecting and Impounding Reservoirs				
306	Lake, River and Other Intakes				
307	Wells and Springs				
309	Supply Mains	2,469		2,469	
310	Power Generation Equipment	19,733		19,733	
311	Pumping Equipment	76,015		76,015	
320	Water Treatment Equipment	6,568			6,568
330	Distribution Reservoirs and Standpipes	292,464			
331	Transmission and Distribution Mains	282,945			
333	Services	69,852			
334	Meters and Meter Installations	170,839			
335	Hydrants	8,000			
336	Backflow Prevention Devices				
339	Other Plant Miscellaneous Equipment	1,462	1,462		
340	Office Furniture and Equipment	5,740			
341	Transportation Equipment	800			
342	Stores Equipment				
343	Tools, Shop and Garage Equipment	937			
344	Laboratory Equipment				
345	Power Operated Equipment				
346	Communication Equipment				
347	Miscellaneous Equipment				
349	Abandonment of Regional Plant				
	TOTAL WATER PLANT	$ 1,244,203	$ 2,869	$ 403,189	$ 6,568

YEAR OF REPORT
December 31, 2017

.4 TRANSMISSION AND DISTRIBUTION PLANT (g)	.5 GENERAL PLANT (h)
$	$
292,464	
282,945	
69,852	
170,839	
8,000	
	5,740
	800
	937
$ 824,099	$ 7,477

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

BASIS FOR WATER DEPRECIATION CHARGES

ACCT. NO.	ACCOUNT NAME	AVERAGE SERVICE LIFE IN YEARS	AVERAGE NET SALVAGE IN PERCENT	DEPRECIATION RATE APPLIED IN PERCENT (100% - d) / c
(a)	(b)	(c)	(d)	(e)
301	1993 Rate Case Expense	4		25.00%
302	Franchises	29		
304	Structures and Improvements	27		
305	Collecting and Impounding Reservoirs			
306	Lake, River and Other Intakes			
307	Wells and Springs	15		6.67%
309	Supply Mains	32		3.13%
310	Power Generation Equipment	15		6.67%
311	Pumping Equipment	15		6.67%
320	Water Treatment Equipment	7		14.29%
330	Distribution Reservoirs and Standpipes	30		3.33%
331	Transmission and Distribution Mains	40		2.50%
333	Services	35		2.86%
334	Meters and Meter Installations	17		5.88%
335	Hydrants	20		5.00%
336	Backflow Prevention Devices			
339	Other Plant Miscellaneous Equipment	6		16.67%
340	Office Furniture and Equipment	6		16.67%
341	Transportation Equipment	6		16.67%
342	Stores Equipment			
343	Tools, Shop and Garage Equipment	15		6.67%
344	Laboratory Equipment			
345	Power Operated Equipment			
346	Communication Equipment			
347	Miscellaneous Equipment			
349	Abandonment of Regional Plant			
Water Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
301	1993 Rate Case Expense	$ 482	$		$ 0
302	Franchises	925			0
304	Structures and Improvements	84,370	4,082		4,082
305	Collecting and Impounding Reservoirs				0
306	Lake, River and Other Intakes	0			0
307	Wells and Springs	0			0
309	Supply Mains	1,921	70		70
310	Power Generation Equipment	19,733			0
311	Pumping Equipment	76,013			0
320	Water Treatment Equipment	6,568			0
330	Distribution Reservoirs and Standpipes	163,993	7,904		7,904
331	Transmission and Distribution Mains	175,312	6,580		6,580
333	Services	44,549	1,746		1,746
334	Meters and Meter Installations	67,307	8,230		8,230
335	Hydrants	5,706	177		177
336	Backflow Prevention Devices	0			0
339	Other Plant Miscellaneous Equipment	305	22		22
340	Office Furniture and Equipment	5,739			0
341	Transportation Equipment	800	0		0
342	Stores Equipment	0			0
343	Tools, Shop and Garage Equipment	936			0
344	Laboratory Equipment	0			0
345	Power Operated Equipment	0			0
346	Communication Equipment	0			0
347	Miscellaneous Equipment	0			0
349	Abandonment of Regional Plant				
TOTAL WATER ACCUMULATED DEPRECIATION		$ 654,659	$ 28,811	$ 0	$ 28,811

* Specify nature of transaction
Use ( ) to denote reversal entries.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION (CONT'D)

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
301	1993 Rate Case Expense	$			$ 0	$ 482
302	Franchises				0	925
304	Structures and Improvements				0	88,452
305	Collecting and Impounding Reservoirs				0	0
306	Lake, River and Other Intakes				0	0
307	Wells and Springs				0	0
309	Supply Mains				0	1,991
310	Power Generation Equipment				0	19,733
311	Pumping Equipment				0	76,013
320	Water Treatment Equipment				0	6,568
330	Distribution Reservoirs and Standpipes				0	171,897
331	Transmission and Distribution Mains				0	181,892
333	Services				0	46,295
334	Meters and Meter Installations				0	75,537
335	Hydrants				0	5,883
336	Backflow Prevention Devices				0	0
339	Other Plant Miscellaneous Equipment				0	327
340	Office Furniture and Equipment				0	5,739
341	Transportation Equipment				0	800
342	Stores Equipment				0	0
343	Tools, Shop and Garage Equipment				0	936
344	Laboratory Equipment				0	0
345	Power Operated Equipment				0	0
346	Communication Equipment				0	0
347	Miscellaneous Equipment				0	0
349	Abandonment of Regional Plant					
TOTAL WATER ACCUMULATED DEPRECIATION		$ 0	$ 0	$ 0	$ 0	$ 683,470

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WATER (c)
Balance first of year		$ 329,685
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	W-8(a)	$ 0
Contributions received from Developer or Contractor Agreements in cash or property	W-8(a)	0
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 329,685

If any prepaid CIAC has been collected, provide a supporting schedule showing how the amount is determined.

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2017

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
			$ -
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
			-
Total Credits			$

ACCUMULATED AMORTIZATION OF WATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WATER (b)
Balance first of year	$ 317,826
Debits during the year:	
Accruals charged to Account 272	$ 8,946
Other debits (specify) :	
Total debits	$ 8,946
Credits during the year (specify) :	$ 0
Total credits	$ -
Balance end of year	$ 326,772

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS (d)	AMOUNT (e)
	Water Sales:			
460	Unmetered Water Revenue			$
	Metered Water Revenue:			
461.1	Sales to Residential Customers	449	449	128,023
461.2	Sales to Commercial Customers	55	60	45,906
461.3	Sales to Industrial Customers			
461.4	Sales to Public Authorities			
461.5	Sales Multiple Family Dwellings			
	Total Metered Sales	504	509	$ 173,929
	Fire Protection Revenue:			
462.1	Public Fire Protection			
462.2	Private Fire Protection			
	Total Fire Protection Revenue	-	-	$ -
464	Other Sales To Public Authorities			
465	Sales To Irrigation Customers			
466	Sales For Resale			
467	Interdepartmental Sales			
	Total Water Sales	504	509	$ 173,929
	Other Water Revenues:			
469	Guaranteed Revenues (Including Allowance for Funds Prudently Invested or AFPI)			$
470	Forfeited Discounts			
471	Miscellaneous Service Revenues			
472	Rents From Water Property			
473	Interdepartmental Rents			
474	Other Water Revenues			2,022
	Total Other Water Revenues			$ 2,022
	Total Water Operating Revenues			$ 175,951

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY EXPENSE ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 SOURCE OF SUPPLY AND EXPENSES - OPERATIONS (d)	.2 SOURCE OF SUPPLY AND EXPENSES - MAINTENANCE (e)
601	Salaries and Wages - Employees	$ 27,600	$ 2,760	2,760
603	Salaries and Wages - Officers, Directors and Majority Stockholders	26,000 -		
604	Employee Pensions and Benefits	4,680	468	468
610	Purchased Water	-		
615	Purchased Power	10,956	10,956	
616	Fuel for Power Production	-		
618	Chemicals	591	591	
620	Materials and Supplies	-		
631	Contractual Services-Engineering	850		
632	Contractual Services - Accounting			
633	Contractual Services - Legal	-		
634	Contractual Services - Mgt. Fees	43,541		
635	Contractual Services - Testing	175		
636	Contractual Services - Other	4,780	4,780	
641	Rental of Building/Real Property	8,800		
642	Rental of Equipment	-		
650	Transportation Expenses	-		
656	Insurance - Vehicle	-		
657	Insurance - General Liability	4,940	4,940	
658	Insurance - Workman's Comp.	-		
659	Insurance - Other	-		
660	Advertising Expense	-		
666	Regulatory Commission Expenses - Amortization of Rate Case Expense	-		
667	Regulatory Commission Exp.-Other			
668	Water Resource Conservation Exp.	-		
670	Bad Debt Expense	-		
675	Miscellaneous Expenses	$ 14,323	75	9,012
	Total Water Utility Expenses	$ 147,236	$ 24,570	$ 12,240

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER EXPENSE ACCOUNT MATRIX

.3 WATER TREATMENT EXPENSES - OPERATIONS (f)	.4 WATER TREATMENT EXPENSES - MAINTENANCE (g)	.5 TRANSMISSION & DISTRIBUTION EXPENSES - OPERATIONS (h)	.6 TRANSMISSION & DISTRIBUTION EXPENSES - MAINTENANCE (i)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)
2,760	2,760	2,760	2,760	8,280	2,760
468	468	468	468	1,404	468
				-	-
				34,833	8,708
	200				
				7,040	1,760
2,392	2,135	709			
$ 5,620	$ 5,563	$ 3,937	$ 3,228	$ 51,557	$ 13,696

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

PUMPING AND PURCHASED WATER STATISTICS

MONTH (a)	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [(b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	2,725	353	2,372	2,372
February	0	2,274	140	2,134	2,134
March	0	2,904	819	2,085	2,085
April	0	2,986	16	2,970	2,970
May	0	3,001	337	2,664	2,664
June	0	2,477	78	2,399	2,399
July	0	2,712	414	2,298	2,298
August	0	2,258	238	2,020	2,020
September	0	2,105	-21	2,126	2,126
October	0	2,677	513	2,164	2,164
November	0	2,817	830	1,987	1,987
December	0	2,842	826	2,016	2,016
Total for Year	-	31,778	4,543	27,235	27,235

If water is purchased for resale, indicate the following:

Vendor

Point of delivery

If water is sold to other water utilities for redistribution, list names of such utilities below:

SOURCE OF SUPPLY

List for each source of supply:	CAPACITY OF WELL	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Backup Well	5,000,000 *	0	Well
Backup Well	5,000,000 *	0	Well
Main Well	47,450,000 *	130,000	Well

* Annual

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Permitted Capacity of Plant (GPD): 108,500

Location of measurement of capacity (i.e. Wellhead, Storage Tank): Flow Meter

Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.): Liquid Chlorinated

LIME TREATMENT

Unit rating (i.e., GPM, pounds per gallon): N/A Manufacturer:

FILTRATION

Type and size of area:

Pressure (in square feet): N/A Manufacturer:

Gravity (in GPM/square feet): Manufacturer:

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CALCULATION OF THE WATER SYSTEM METER EQUIVALENTS

METER SIZE (a)	TYPE OF METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential				
5/8"	Displacement	1.0	464	464
3/4"	Displacement	1.5		
1"	Displacement	2.5	32	80
1 1/4"	Displacement, Compound or Turbine	3.8		
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
			Total Water System Meter Equivalents	616

CALCULATION OF THE WATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC).
Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:
ERC = (Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day)

ERC Calculation:

39,965,000 gallons sold / 501 average SFR Customers / 365 days 218

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present ERC's * the system can efficiently serve. 218
2. Maximum number of ERCs * which can be served. 300
3. Present system connection capacity (in ERCs *) using existing lines. 225
4. Future connection capacity (in ERCs *) upon service area buildout. 10
5. Estimated annual increase in ERCs *. 1
6. Is the utility required to have fire flow capacity? Yes
   If so, how much capacity is required? 1500 GPM
7. Attach a description of the fire fighting facilities. Fire Truck Tank Refill, Fire Hydrants, and Commercial Sprinkler System
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. N/A
9. When did the company last file a capacity analysis report with the DEP? Dec-14
10. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP?
    c. When will construction begin?
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO
11. Department of Environmental Protection ID # 3424620
12. Water Management District Consumptive Use Permit # 2995
    a. Is the system in compliance with the requirements of the CUP? Yes
    b. If not, what are the utility's plans to gain compliance?

* An ERC is determined based on the calculation on the bottom of Page W-13.

WASTEWATER OPERATION SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

WASTEWATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The wastewater financial schedules (S-2 through S-10) should be filed for the group in total.
The wastewater engineering schedules (S-11 through S-13) must be filed for each system in the group.
All of the following wastewater pages (S-2 through S-13) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-12-AR	

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

SCHEDULE OF YEAR END WASTEWATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
101	Utility Plant In Service	S-4(a)	$ 1,065,461
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	S-6(b)	860,886
110	Accumulated Amortization		
271	Contributions in Aid of Construction	S-7	537,650
252	Advances for Construction	F-20	0
	Subtotal		$ -333,075
272	Add: Accumulated Amortization of Contributions in Aid of Construction	S-8(a)	$ 504,884
	Subtotal		$ 171,809
	Plus or Minus:		
114	Acquisition Adjustments (2)		
115	Accumulated Amortization of Acquisition Adjustments (2)		
	Working Capital Allowance (3)		23,592
	Other (Specify):		
	WASTEWATER RATE BASE		$ 195,401
	WASTEWATER OPERATING INCOME	S-3	$ 8,873
	ACHIEVED RATE OF RETURN (Wastewater Operating Income / Wastewater Rate Base)		4.54%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	S-9	$ 223,664
530	Less: Guaranteed Revenue (and AFPI)	S-9	0
	Net Operating Revenues		$ 223,664
401	Operating Expenses	S-10(a)	$ 188,737
403	Depreciation Expense	S-6(a)	20,174
	Less: Amortization of CIAC	S-8(a)	11,158
	Net Depreciation Expense		$ 9,016
406	Amortization of Utility Plant Acquisition Adjustment	F-7	
407	Amortization Expense (Other than CIAC)	F-8	0
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		10,065
408.11	Property Taxes		1,293
408.12	Payroll Taxes		4,680
408.13	Other Taxes and Licenses		1,000
408	Total Taxes Other Than Income		$ 17,038
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 214,791
	Utility Operating Income		$ 8,873
	Add Back:		
530	Guaranteed Revenue (and AFPI)	W-9	$
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ 8,873

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
351	Organization	$ 947	$	$	$ 947
352	Franchises	3,806			3,806
353	Land and Land Rights	93,388			93,388
354	Structures and Improvements	170,068			170,068
355	Power Generation Equipment	0			0
360	Collection Sewers - Force	33,459			33,459
361	Collection Sewers - Gravity	141,888			141,888
362	Special Collecting Structures	2,531			2,531
363	Services to Customers	64,155			64,155
364	Flow Measuring Devices	1,711			1,711
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	230,454	5,796		236,250
371	Pumping Equipment	0			0
374	Reuse Distribution Reservoirs	0			0
375	Reuse Transmission and	0			0
	Distribution System	0			0
380	Treatment and Disposal Equipment	124,447			124,447
381	Plant Sewers	153,842			153,842
382	Outfall Sewer Lines	8,821			8,821
389	Other Plant Miscellaneous Equipment	7,567			7,567
390	Office Furniture and Equipment	5,397			5,397
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,135			1,135
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			16,049
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Wastewater Plant	$ 1,059,665	$ 5,796	$ 0	$ 1,065,461

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (f)	.1 INTANGIBLE PLANT (g)	.2 COLLECTION PLANT (h)	.3 SYSTEM PUMPING PLANT (i)	.4 TREATMENT AND DISPOSAL (j)	.5 GENERAL PLANT (h)
351	Organization	$ 947	$ 947	$	$	$	$
352	Franchises	3,806	3,806				
353	Land and Land Rights	93,388		93,388			
354	Structures and Improvements	170,068		170,068			
355	Power Generation Equipment	0		0			
360	Collection Sewers - Force	33,459		33,459			
361	Collection Sewers - Gravity	141,888		141,888			
362	Special Collecting Structures	2,531		2,531			
363	Services to Customers	64,155		64,155			
364	Flow Measuring Devices	1,711		1,711			
365	Flow Measuring Installations	0		0			
366	Reuse Services	0		0			
367	Reuse Meters and Meter Installations	0		0			
370	Receiving Wells	236,250			236,250		
371	Pumping Equipment	0			0		
374	Reuse Distribution Reservoirs	0			0		
375	Reuse Transmission and	0			0		
	Distribution System	0			0		
380	Treatment and Disposal Equipment	124,447				124,447	
381	Plant Sewers	153,842				153,842	
382	Outfall Sewer Lines	8,821				8,821	
389	Other Plant Miscellaneous Equipment	7,567		7,567			
390	Office Furniture and Equipment	5,397					5,397
391	Transportation Equipment	0					0
392	Stores Equipment	0					0
393	Tools, Shop and Garage Equipment	1,135					1,135
394	Laboratory Equipment	0					0
395	Power Operated Equipment	16,049		16,049			
396	Communication Equipment	0					0
397	Miscellaneous Equipment	0					0
398	Other Tangible Plant	0					0
	Total Wastewater Plant	$ 1,065,461	$ 4,753	$ 530,816	$ 236,250	$ 287,110	$ 6,532

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

BASIS FOR WASTEWATER DEPRECIATION CHARGES

ACCT. NO. (a)	ACCOUNT NAME (b)	AVERAGE SERVICE LIFE IN YEARS (c)	AVERAGE NET SALVAGE IN PERCENT (d)	DEPRECIATION RATE APPLIED IN PERCENT (100% - D) / C (e)
351	Organizational	29		3.45%
352	Franchises	3		33.33%
354	Structures and Improvements	27		3.70%
360	Collection Sewers - Force	27		3.70%
361	Collection Sewers - Gravity	40		2.50%
362	Special Collecting Structures	37		2.70%
363	Services to Customers	35		2.86%
364	Flow Measuring Devices	17		5.88%
365	Flow Measuring Installations			
366	Reuse Services			
367	Reuse Meters and Meter Installations			
370	Receiving Wells	18		5.56%
371	Pumping Equipment			
375	Reuse Transmission and Distribution System			
380	Treatment and Disposal Equipment	15		6.67%
382	Used Plant #3	15		6.67%
389	Other Plant Miscellaneous Equipment	35		2.86%
390	Office Furniture and Equipment	6		16.67%
391	Transportation Equipment			
392	Stores Equipment			
393	Tools, Shop and Garage Equipment	15		6.67%
394	Laboratory Equipment			
395	Tractor & Mower	10		10.00%
396	Communication Equipment			
397	Miscellaneous Equipment			
398	Other Tangible Plant			
Wastewater Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
351	Organizational	$ 776	$ 23	$	$ 23
352	Franchises	3,805			0
354	Structures and Improvements	114,803	5,668		5,668
355	Power Generation Equipment				0
360	Collection Sewers - Force	31,832	769		769
361	Collection Sewers - Gravity	96,054	3,153		3,153
362	Special Collecting Structures	2,532			0
363	Services to Customers	49,746	1,688		1,688
364	Flow Measuring Devices	1,710			0
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	226,486	7,795		7,795
371	Pumping Equipment	0			0
375	Reuse Transmission and Distribution System	0			0
380	Treatment and Disposal Equipment	124,447			0
381	Plant Sewers	153,841			0
382	Outfall Sewer Lines	6,409	588		588
389	Other Plant Miscellaneous Equipment	5,798	420		420
390	Office Furniture and Equipment	5,396			0
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,028	70		70
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			0
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Depreciable Wastewater Plant in Service	$ 840,712	$ 20,174	$ 0	$ 20,174

* Specify nature of transaction.
Use ( ) to denote reversal entries.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
354	Structures and Improvements	$	$	$	$ 0	$ 799
					0	3,805
354	Structures and Improvements	$	$	$	0	120,471
355	Power Generation Equipment				0	0
360	Collection Sewers - Force				0	32,601
361	Collection Sewers - Gravity				0	99,207
362	Special Collecting Structures				0	2,532
363	Services to Customers				0	51,434
364	Flow Measuring Devices				0	1,710
365	Flow Measuring Installations				0	0
366	Reuse Services				0	0
367	Reuse Meters and Meter Installations				0	0
370	Receiving Wells				0	234,281
371	Pumping Equipment				0	0
375	Reuse Transmission and Distribution System				0	0
380	Treatment and Disposal Equipment				0	124,447
381	Plant Sewers				0	153,841
382	Outfall Sewer Lines				0	6,997
389	Other Plant Miscellaneous Equipment				0	6,218
390	Office Furniture and Equipment				0	5,396
391	Transportation Equipment				0	0
392	Stores Equipment				0	0
393	Tools, Shop and Garage Equipment				0	1,098
394	Laboratory Equipment				0	0
395	Power Operated Equipment				0	16,049
396	Communication Equipment				0	0
397	Miscellaneous Equipment				0	0
398	Other Tangible Plant				0	0
Total Depreciable Wastewater Plant in Service		$ 0	$ 0	$ 0	$ 0	$ 860,886

* Specify nature of transaction.
Use ( ) to denote reversal entries.

YEAR OF REPORT
December 31, 2017

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WASTEWATER (c)
Balance first of year		$ 537,650.00
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	S-8(a)	$ 0
Contributions received from Developer or Contractor Agreements in cash or property	S-8(a)	
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 537,650

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2017

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
		$	$
Impact Fee	0		0
Impact Fee			0
Total Credits			$ 0

ACCUMULATED AMORTIZATION OF WASTEWATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WASTEWATER (b)
Balance first of year	$ 493,726
Debits during the year:	
Accruals charged to Account 272	$ 11,158
Other debits (specify) :	
Rounding	
Total debits	$ 11,158
Credits during the year (specify) :	
	$
Total credits	$ 0
Balance end of year	$ 504,884

YEAR OF REPORT
December 31, 2017

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

YEAR OF REPORT
December 31, 2017

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	WASTEWATER SALES			
	Flat Rate Revenues:			
521.1	Residential Revenues			$
521.2	Commercial Revenues			
521.3	Industrial Revenues			
521.4	Revenues From Public Authorities			
521.5	Multiple Family Dwelling Revenues			
521.6	Other Revenues			
521	Total Flat Rate Revenues	0	0	$ 0
	Measured Revenues:			
522.1	Residential Revenues	261	262	141,567
522.2	Commercial Revenues	39	40	82,097
522.3	Industrial Revenues			
522.4	Revenues From Public Authorities			
522.5	Multiple Family Dwelling Revenues			
522	Total Measured Revenues	300	302	$ 223,664
523	Revenues From Public Authorities			
524	Revenues From Other Systems			
525	Interdepartmental Revenues			
	Total Wastewater Sales	300	302	$ 223,664
	OTHER WASTEWATER REVENUES			
530	Guaranteed Revenues			$
531	Sale of Sludge			
532	Forfeited Discounts			
534	Rents From Wastewater Property			
535	Interdepartmental Rents			
536	Other Wastewater Revenues (Including Allowance for Funds Prudently Invested or AFPI)			
	Total Other Wastewater Revenues			$ 0

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	RECLAIMED WATER SALES			
	Flat Rate Reuse Revenues:			
540.1	Residential Reuse Revenues			$
540.2	Commercial Reuse Revenues			
540.3	Industrial Reuse Revenues			
540.4	Reuse Revenues From Public Authorities			
540.5	Other Revenues			
540	Total Flat Rate Reuse Revenues			$ 0
	Measured Reuse Revenues:			
541.1	Residential Reuse Revenues			
541.2	Commercial Reuse Revenues			
541.3	Industrial Reuse Revenues			
541.4	Reuse Revenues From Public Authorities			
541	Total Measured Reuse Revenues			$ 0
544	Reuse Revenues From Other Systems			
	Total Reclaimed Water Sales			$ 0
	Total Wastewater Operating Revenues			$ 223,664

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 COLLECTION EXPENSES-OPERATIONS (d)	.2 COLLECTION EXPENSES-MAINTENANCE (e)	.3 PUMPING EXPENSES - OPERATIONS (f)	.4 PUMPING EXPENSES MAINT (g)	.5 TREATMENT & DISPOSAL EXPENSES - OPERATIONS (h)	.6 TREATMENT & DISPOSAL EXPENSES - MAINTENANCE (i)
701	Salaries and Wages - Employees	$ 42,600	$ 10,650		10,650			
703	Salaries and Wages - Officers, Directors and Majority Stockholders	26,000						
704	Employee Pensions and Benefits	4,680	1,170		1,170			
710	Purchased Sewage Treatment							
711	Sludge Removal Expense	7,918						
715	Purchased Power	23,815	11,908		11,908			
716	Fuel for Power Production							
718	Chemicals	7,735	7,735					
720	Materials and Supplies							
731	Contractual Services-Engineering	850	425		425			
732	Contractual Services - Accounting							
733	Contractual Services - Legal							
734	Contractual Services - Mgt. Fees	43,541						
735	Contractual Services - Testing							
736	Contractual Services - Other	8,765	4,383		4,383			
741	Rental of Building/Real Property	7,800						
742	Rental of Equipment							
750	Transportation Expenses							
756	Insurance - Vehicle							
757	Insurance - General Liability	4,940	1,235		1,235			
758	Insurance - Workman's Comp.							
759	Law Suit Settlement							
760	Advertising Expense							
766	Regulatory Commission Expenses - Amortization of Rate Case Expense							
767	Regulatory Commission Exp.-Other							
770	Bad Debt Expense							
775	Miscellaneous Expenses	10,093	2,523		2,523			
	Total Wastewater Utility Expenses	$ 188,737	$ 40,028	$ 0	$ 32,293	$	$	$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)	.9 RECLAIMED WATER TREATMENT EXPENSES-OPERATIONS (l)
701	Salaries and Wages - Employees	$ 10,650		10,650
703	Salaries and Wages - Officers, Directors and Majority Stockholders			
704	Employee Pensions and Benefits	1,170		1,170
710	Purchased Sewage Treatment			
711	Sludge Removal Expense			7,918
715	Purchased Power			
716	Fuel for Power Purchased			
718	Chemicals			
720	Materials and Supplies		0	
731	Contractual Services-Engineering			
732	Contractual Services - Accounting		0	
733	Contractual Services - Legal		0	
734	Contractual Services - Mgt. Fees	39,187	4,354	
735	Contractual Services - Testing			
736	Contractual Services - Other			
741	Rental of Building/Real Property	6,240	1,560	
742	Rental of Equipment			
750	Transportation Expenses			
756	Insurance - Vehicle			
757	Insurance - General Liability	1,235		1,235
758	Insurance - Workman's Comp.			
759	Law Suit Settlement		0	
760	Advertising Expense			
766	Regulatory Commission Expenses - Amortization of Rate Case Expense			
767	Regulatory Commission Exp.-Other			
770	Bad Debt Expense			
775	Miscellaneous Expenses	2523		2523
	Total Wastewater Utility Expenses	$ 61,005	$ 5,914	$ 23,496

YEAR OF REPORT
December 31, 2017

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CALCULATION OF THE WASTEWATER SYSTEM METER EQUIVALENTS

WATER METER SIZE (a)	TYPE OF WATER METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential		1.0		
5/8"	Displacement	1.0	253	253
3/4"	Displacement	1.5		
1"	Displacement	2.5	17	43
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
	Total Wastewater System Meter Equivalents			368

CALCULATION OF THE WASTEWATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one wastewater equivalent residential connection (ERC).

Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:

ERC = (Total SFR gallons treated (Omit 000) / 365 days / 280 gallons per day)

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated.

Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

ERC Calculation:

18,251,289 gallons sold / 296 average SFR Customers / 365 days 161

YEAR OF REPORT
December 31, 2017

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity		81,000 Total	
Basis of Permit Capacity (1)			
Manufacturer	McNeil	Marlof	
Type (2)	Concrete	Concrete	
Hydraulic Capacity	65,000	50,000	
Average Daily Flow	30,000	30,000	
Total Gallons of Wastewater Treated	10,950,000	10,950,000	
Method of Effluent Disposal		Spray Field	

(1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

(2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2017

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present number of ERCs* now being served _____ 218

2. Maximum number of ERCs* which can be served ___ 275

3. Present system connection capacity (in ERCs*) using existing lines _____ 57

4. Future connection capacity (in ERCs*) upon service area buildout _____ 275

5. Estimated annual increase in ERCs* _____ 1

6. Describe any plans and estimated completion dates for any enlargements or improvements of this system
_____ NONE

7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A

8. If the utility does not engage in reuse, has a reuse feasibility study been completed? _____ NO

If so, when? _____

9. Has the utility been required by the DEP or water management district to implement reuse? _____ NO

If so, what are the utility's plans to comply with this requirement? _____

10. When did the company last file a capacity analysis report with the DEP? ____ N/A

11. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? _ N/A
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? ___NO_____

12. Department of Environmental Protection ID # _____ FLA010699-001

* An ERC is determined based on the calculation on S-11.

Reconciliation of Revenue to Regulatory Assessment Fee Revenue

Wastewater Operations

Class A & B

Company: TRADEWINDS UTILITIES

For the Year Ended December 31, 2017

(a) Accounts	(b) Gross Wastewater Revenues Per Sch. S-9	(c) Gross Wastewater Revenues Per RAF Return	(d) Difference (b) - (c)
Gross Revenue:			
Total Flat-Rate Revenues (521.1 - 521.6)	$	$	$
Total Measured Revenues (522.1 - 522.5)	223,664	223,664	
Revenues from Public Authorities (523)			
Revenues from Other Systems (524)			
Interdepartmental Revenues (525)			
Total Other Wastewater Revenues (530 - 536)			
Reclaimed Water Sales (540.1 - 544)			
Total Wastewater Operating Revenue	$ 223,664	$ 223,664	$
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility			
Net Wastewater Operating Revenues	$ 223,664	$ 223,664	$

Explanations:

Instructions:

For the current year, reconcile the gross wastewater revenues reported on Schedule S-9 with the gross wastewater revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

Reconciliation of Revenue to Regulatory Assessment Fee Revenue

Water Operations
Class A & B

Company: TRADEWINDS UTILITIES
For the Year Ended December 31, 2017

(a) Accounts	(b) Gross Water Revenues Per Sch. W-9	(c) Gross Water Revenues Per RAF Return	(d) Difference (b) - (c)
Gross Revenue:			
Unmetered Water Revenues (460)	$	$	$
Total Metered Sales (461.1 - 461.5)	173,929	173,929	
Total Fire Protection Revenue (462.1 - 462.2)			
Other Sales to Public Authorities (464)			
Sales to Irrigation Customers (465)			
Sales for Resale (466)			
Interdepartmental Sales (467)			
Total Other Water Revenues (469 - 474)	2,022	2,022	
Total Water Operating Revenue	$ 175,951	$ 175,951	$
LESS: Expense for Purchased Water from FPSC-Regulated Utility			
Net Water Operating Revenues	$ 175,951	$ 175,951	$

Explanations:

Instructions:
For the current year, reconcile the gross water revenues reported on Schedule W-9 with the gross water revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

CLASS "A" OR "B"

WATER AND/OR WASTEWATER UTILITIES
(Gross Revenue of More Than $200,000 Each)

ANNUAL REPORT

OF

WS350-18-AR

Tradewinds Utilities, Inc
PO Box 5220
Ocala, FL 34478-5220

Certificate Number(s)

Submitted To The

STATE OF FLORIDA

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED December 31, 2018

2019 MAR 21 AM 8:15

Form PSC/ECR 003-W (Rev. 12/99)

GENERAL INSTRUCTIONS

1. Prepare this report in conformity with the 1996 National Association of Regulatory Utility Commissioners Uniform System of Accounts for Water and/or Wastewater Utilities (USOA).

2. Interpret all accounting words and phrases in accordance with the USOA.

3. Complete each question fully and accurately, even if it has been answered in a previous annual report. Enter the word "None" where it truly and completely states the fact.

4. For any question, section, or page which is not applicable to the respondent, enter the words "Not Applicable". Do not omit any pages.

5. Where dates are called for, the month and day should be stated as well as the year.

6. All schedules requiring dollar entries should be rounded to the nearest dollar unless otherwise specifically indicated.

7. Complete this report by means which result in a permanent record, such as by computer or typewriter.

8. If there is not enough room on any schedule, an additional page or pages may be added; provided the format of the added schedule matches the format of the schedule with not enough room. Such a schedule should reference the appropriate schedules, state the name of the utility, and state the year of the report.

9. If it is necessary or desirable to insert additional statements for the purpose of further explanation of schedules, such statement should be made at the bottom of the page or an additional page inserted. Any additional pages should state the name of the utility, the year of the report, and reference the appropriate schedule.

10. For water and wastewater utilities with more than one rate group and/or system, water and wastewater pages should be completed for each rate group and/or system group. These pages should be grouped together and tabbed by rate group and/or system.

11. All other water and wastewater operations not regulated by the Commission and other regulated industries should be reported as "Other than Reporting Systems".

12. Financial information for multiple systems charging rates which are covered under the same tariff should be reported as one system. However, the engineering data must be reported by individual system.

13. For water and wastewater utilities with more than one system, one (1) copy of workpapers showing the consolidation of systems for the operating sections, should be filed with the annual report.

14. The report should be filled out in quadruplicate and the original and two copies returned by March 31, of the year following the date of the report. The report should be returned to:

Florida Public Service Commission
Division of Economic Regulation
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

The fourth copy should be retained by the utility.

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
EXECUTIVE SUMMARY			
Certification	E-1	Business Contracts with Officers, Directors and Affiliates	E-7
General Information	E-2	Affiliation of Officers and Directors	E-8
Directory of Personnel Who Contact the FPSC	E-3	Businesses which are a Byproduct, Coproduct or Joint Product Result of Providing Service	E-9
Company Profile	E-4	Business Transactions with Related Parties. Part I and II	E-10
Parent / Affiliate Organization Chart	E-5		
Compensation of Officers & Directors	E-6		
FINANCIAL SECTION			
Comparative Balance Sheet - Assets and Other Debits	F-1	Unamortized Debt Discount / Expense / Premium	F-13
Comparative Balance Sheet - Equity Capital and Liabilities	F-2	Extraordinary Property Losses	F-13
Comparative Operating Statement	F-3	Miscellaneous Deferred Debits	F-14
Year End Rate Base	F-4	Capital Stock	F-15
Year End Capital Structure	F-5	Bonds	F-15
Capital Structure Adjustments	F-6	Statement of Retained Earnings	F-16
Utility Plant	F-7	Advances from Associated Companies	F-17
Utility Plant Acquisition Adjustments	F-7	Other Long Term Debt	F-17
Accumulated Depreciation	F-8	Notes Payable	F-18
Accumulated Amortization	F-8	Accounts Payable to Associated Companies	F-18
Regulatory Commission Expense - Amortization of Rate Case Expense	F-9	Accrued Interest and Expense	F-19
Nonutility Property	F-9	Miscellaneous Current & Accrued Liabilities	F-20
Special Deposits	F-9	Advances for Construction	F-20
Investments and Special Funds	F-10	Other Deferred Credits	F-21
Accounts and Notes Receivable - Net	F-11	Contributions In Aid of Construction	F-22
Accounts Receivable from Associated Companies	F-12	Accumulated Amortization of CIAC	F-22
Notes Receivable from Associated Companies	F-12	Reconciliation of Reported Net Income with Taxable Income for Federal Income Taxes	F-23
Miscellaneous Current & Accrued Assets	F-12		

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
WATER OPERATION SECTION			
Water Listing of System Groups	W-1	CIAC Additions / Amortization	W-8
Year End Water Rate Base	W-2	Water Operating Revenue	W-9
Water Operating Statement	W-3	Water Utility Expense Accounts	W-10
Water Utility Plant Accounts	W-4	Pumping and Purchased Water Statistics, Source Supply	W-11
Basis for Water Depreciation Charges	W-5	Water Treatment Plant Information	W-12
Analysis of Entries in Water Depreciation Reserve	W-6	Calculation of ERC's	W-13
Contributions In Aid of Construction	W-7	Other Water System Information	W-14
WASTEWATER OPERATION SECTION			
Wastewater Listing of System Groups	S-1	Contributions In Aid of Construction	S-7
Year End Wastewater Rate Base	S-2	CIAC Additions / Amortization	S-8
Wastewater Operating Statement	S-3	Wastewater Operating Revenue	S-9
Wastewater Utility Plant Accounts	S-4	Wastewater Utility Expense Accounts	S-10
Basis for Wastewater Depreciation Charges	S-5	Calculation of ERC's	S-11
Analysis of Entries in Wastewater Depreciation Reserve	S-6	Wastewater Treatment Plant Information	S-12
		Other Wastewater System Information	S-13

EXECUTIVE SUMMARY

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

CERTIFICATION OF ANNUAL REPORT

I HEREBY CERTIFY, to the best of my knowledge and belief:

YES	NO		
X		1.	The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission.
X		2.	The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.
X		3.	There have been no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices that could have a material effect on the the financial statement of the utility.
X		4.	The annual report fairly represents the financial condition and results of operations of the respondent for the period presented and other information and statements presented in the the report as to the business affairs of the respondent are true, correct and complete for the period for which it represents.

Items Certified

1.	2.	3.	4.
X	X	X	X

Charles de Menezes

(Signature of Chief Executive Officer of the utility) *

1.	2.	3.	4.

(Signature of Chief Financial Officer of the utility) *

* Each of the four items must be certified YES or NO. Each item need not be certified by both officers. The items being certified by the officer should be indicated in the appropriate area to the left of the signature.

NOTICE: Section 837.06, Florida Statutes, provides that any person who knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his duty shall be guilty of a misdemeanor of the second degree.

ANNUAL REPORT OF

YEAR OF REPORT
December 31, 2018

Tradewinds Utilities, Inc (Exact Name of Utility) County: Marion

List below the exact mailing address of the utility for which normal correspondence should be sent:
PO Box 5220
Ocala, FL 34478-5220

Telephone: 352 622-4949
E Mail Address: charlie@altfo.com
WEB Site:

Sunshine State One-Call of Florida, Inc. Member Number MIR598

Name and address of person to whom correspondence concerning this report should be addressed:
Charles deMenzes
PO Box 5220
Ocala, FL 34478
Telephone: 352 622-4949

List below the address of where the utility's books and records are located:
1552 SW 7th Road
Ocala, FL 34470

Telephone: 352 622-4949

List below any groups auditing or reviewing the records and operations:

Date of original organization of the utility: February 11, 1983

Check the appropriate business entity of the utility as filed with the Internal Revenue Service

Individual	Partnership	Sub S Corporation	1120 Corporation
[ ]	[ ]	[X]	[ ]

List below every corporation or person owning or holding directly or indirectly 5% or more of the voting securities of the utility:

	Name	Percent Ownership
1.	Charles deMenzes Revocable Trust	100%

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

DIRECTORY OF PERSONNEL WHO CONTACT THE FLORIDA PUBLIC SERVICE COMMISSION

NAME OF COMPANY REPRESENTATIVE (1)	TITLE OR POSITION (2)	ORGANIZATIONAL UNIT TITLE (3)	USUAL PURPOSE FOR CONTACT WITH FPSC
Charles deMenzes	President	Tradewinds Utilities, Inc.	All Utility Matters
Deborah Dillon	Vice President	Tradewinds Utilities, Inc.	All Utility Matters

(1) Also list appropriate legal counsel, accountants and others who may not be on general payroll.
(2) Provide individual telephone numbers if the person is not normally reached at the company.
(3) Name of company employed by if not on general payroll.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPANY PROFILE

Provide a brief narrative company profile which covers the following areas:

A. Brief company history.
B. Public services rendered.
C. Major goals and objectives.
D. Major operating divisions and functions.
E. Current and projected growth patterns.
F. Major transactions having a material effect on operations.

A. The company was organized to provide potable water service to various subdivisions in Marion County

B. The company provides wastewater treatement and distribution services to customers in its certicated area.

C. The primary goal of the Company is to continue rendering quality service to its existing customers.

D. The Company provides water treatement and distribution services, only in Marion County

E. The Company expects to continue an average growth rate of approximately .05%

F. None

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

PARENT / AFFILIATE ORGANIZATION CHART

Current as of December 31, 2018

Complete below an organizational chart that show all parents, subsidiaries and affiliates of the utility.
The chart must also show the relationship between the utility and affiliates listed on E-7, E-10(a) and E-10(b).

Tradewinds Utilities, Inc

MIRA International, Inc

Tradewinds Utilities, Inc and Mira International, Inc have common ownership

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPENSATION OF OFFICERS

For each officer, list the time spent on respondent as an officer compared to time spent on total business activities and the compensation received as an officer from the respondent.

NAME (a)	TITLE (b)	% OF TIME SPENT AS OFFICER OF THE UTILITY (c)	OFFICERS' COMPENSATION (d)
Charles deMenzes	President	60%	$ 40,000
Deborah Dillon	Vice President	60%	$ 30,000

COMPENSATION OF DIRECTORS

For each director, list the number of director meetings attended by each director and the compensation received as a director from the respondent.

NAME (a)	TITLE (b)	NUMBER OF DIRECTORS' MEETINGS ATTENDED (c)	DIRECTORS' COMPENSATION (d)
Charles deMenzes	Chairman/Pres	1	$
Deborah Dillon	Sec/Treasurer	1	20,000

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

BUSINESS CONTRACTS WITH OFFICERS, DIRECTORS AND AFFILIATES

List all contracts, agreements, or other business arrangements* entered into during the calendar year (other than compensation related to position with Respondents) between the Respondent and officer and director listed on page E-6. In addition, provide the same information with respect to professional services for each firm, partnership, or organization with which the officer or director is affiliated.

NAME OF OFFICER, DIRECTOR OR AFFILIATE (a)	IDENTIFICATION OF SERVICE OR PRODUCT (b)	AMOUNT (c)	NAME AND ADDRESS OF AFFILIATED ENTITY (d)
MIRA International, Inc	See E-10(a)		

* Business Agreement, for this schedule, shall mean any oral or written business deal which binds the concerned parties for products or services during the reporting year or future years. Although the Respondent and/or other companies will benefit from the arrangement, the officer or director is, however, acting on his behalf or for the benefit of other companies or persons.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

AFFILIATION OF OFFICERS AND DIRECTORS

For each of the officials listed on page E-6, list the principal occupation or business affiliations or connections with any other business or financial organizations, firms, or partnerships. For purposes of this part, an official will be considered to have an affiliation with any business or financial organization, firm or partnership in which he is an officer, director, trustee, partner, or a person exercising similar functions.

NAME (a)	PRINCIPAL OCCUPATION OR BUSINESS AFFILIATION (b)	AFFILIATION OR CONNECTION (c)	NAME AND ADDRESS OF AFFILIATION OR CONNECTION (d)
Charles deMenzes	Management Company	Chairman/President	MIRA International, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	CFAT, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	BFF Corp 1552 SW 7th Road, Ocala
Charles deMenzes	Francis Marion Military Academy (Charter Public Sch)	Chairman	5895 SE 83rd St Ocala Fl 34472

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

BUSINESSES WHICH ARE A BY-PRODUCT, COPRODUCT OR JOINT-PRODUCT RESULT OF PROVIDING WATER OR WASTEWATER SERVICE

Complete the following for any business which is conducted as a byproduct, coproduct, or joint product as a result of providing water and / or wastewater service. This would include any business which requires the use of utility land and facilities. Examples of these types of businesses would be orange groves, nurseries, tree farms, fertilizer manufacturing, etc. This would not include any business for which the assets are properly included in Account 121 - Nonutility Property along with the associated revenue and expenses segregated out as nonutility also.

	ASSETS		REVENUES		EXPENSES	
BUSINESS OR SERVICE CONDUCTED (a)	BOOK COST OF ASSETS (b)	ACCOUNT NUMBER (c)	REVENUES GENERATED (d)	ACCOUNT NUMBER (e)	EXPENSES INCURRED (f)	ACCOUNT NUMBER (g)
None	$		$		$	

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

BUSINESS TRANSACTIONS WITH RELATED PARTIES

List each contract, agreement, or other business transaction exceeding a cumulative amount of $500 in any on year, entered into between the Respondent and a business or financial organization, firm, or partnership named on pages E-2 and E-6, identifying the parties, amounts, dates and product, and asset, or service involved.

Part I. Specific Instructions: Services and Products Received or Provided

1. Enter in this part all transactions involving services and products received or provided.

2. Below are some types of transactions to include:
   - -management, legal and accounting services
   - -computer services
   - -engineering & construction services
   - -repairing and servicing of equipment
   - -material and supplies furnished
   - -leasing of structures, land, and equipment
   - -rental transactions
   - -sale, purchase or transfer of various products

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION SERVICE AND/OR NAME OF PRODUCT (b)	CONTRACT OR AGREEMENT EFFECTIVE DATES (c)	ANNUAL CHARGES (P)urchased (S)old (d)	ANNUAL CHARGES AMOUNT (e)
MIRA International, Inc	Billing,Computer Service	On-going	P	$
	Admin Services			33,750
	Payroll, Meter Reading			152,106
	Insurance, Office Space			17,250
	Materials, Supplies			17,860
	Repair, Service Equip			10,124
	Customer Relations			
	Customer Service			
	Annual PSC Reporting			8,000
	Hospitalization Benefits			25,000

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

BUSINESS TRANSACTIONS WITH RELATED PARTIES (Cont'd)

Part II. Specific Instructions: Sale, Purchase and Transfer of Assets

1. Enter in this part all transactions relating to the purchase, sale, or transfer of assets.

2 Below are examples of some types of transactions to include:
- -purchase, sale or transfer of equipment
- -purchase, sale or transfer of land and structures
- -purchase, sale or transfer of securities
- -noncash transfers of assets
- -noncash dividends other than stock dividends
- -write-off of bad debts or loans

3. The columnar instructions follow:

(a) Enter name of related party or company.
(b) Describe briefly the type of assets purchased, sold or transferred.
(c) Enter the total received or paid. Indicate purchase with "P" and sale with "S".
(d) Enter the net book value for each item reported.
(e) Enter the net profit or loss for each item reported. (column (c) - column (d))
(f) Enter the fair market value for each item reported. In space below or in a supplemental schedule, describe the basis used to calculate fair market value.

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION OF ITEMS (b)	SALE OR PURCHASE PRICE (c)	NET BOOK VALUE (d)	GAIN OR LOSS (e)	FAIR MARKET VALUE (f)
None		$	$	$	$

FINANCIAL SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	UTILITY PLANT			
101-106	Utility Plant	F-7	$ 2,309,663.01	$ 2,323,955.01
108-110	Less: Accumulated Depreciation and Amortization	F-8	1,495,371.00	1,592,871.00
	Net Plant		$ 814,292.01	$ 731,084.01
114-115	Utility Plant Acquisition adjustment (Net)	F-7	-	-
116 *	Other Utility Plant Adjustments			
	Total Net Utility Plant		$ 814,292.01	$ 731,084.01
	OTHER PROPERTY AND INVESTMENTS			
121	Nonutility Property	F-9	$ -	$ -
122	Less: Accumulated Depreciation and Amortization		-	-
	Net Nonutility Property		$ -	$ -
123	Investment in Associated Companies	F-10		
124	Utility Investments	F-10		
125	Other Investments	F-10		
126-127	Special Funds	F-10		
	Total Other Property & Investments		$ -	$ -
	CURRENT AND ACCRUED ASSETS			
131	Cash		$ 5,346.63	$ 522.31
132	Special Deposits	F-9	-	-
133	Other Special Deposits	F-9	-	-
134	Working Funds			
135	Temporary Cash Investments			
141-144	Accounts and Notes Receivable, Less Accumulated		(264.83)	(264.83)
	Provision for Uncollectible Accounts	F-11	42,365.51	36,635.36
145	Accounts Receivable from Associated Companies	F-12		
146	Notes Receivable from Associated Companies	F-12		
161	Stores Expense			
162	Prepayments			
171	Accrued Interest and Dividends Receivable			
172 *	Rents Receivable			
173 *	Accrued Utility Revenues			
174	Miscellaneous Current and Accrued Assets	F-12		
	Total Current and Accrued Assets		$ 47,447.31	$ 36,892.84

* Not Applicable for Class B Utilities

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED DEBITS			
181	Unamortized Debt Discount & Expense	F-13	$ 1,424	$ 1,424
182	Extraordinary Property Losses	F-13		
183	Preliminary Survey & Investigation Charges		-	-
184	Clearing Accounts		-	-
185 *	Temporary Facilities		-	-
186	Miscellaneous Deferred Debits	F-14	-	-
187 *	Research & Development Expenditures		-	-
190	Accumulated Deferred Income Taxes		-	-
Total Deferred Debits			$ 1,424	$ 1,424
TOTAL ASSETS AND OTHER DEBITS			$ 863,163	$ 769,401

* Not Applicable for Class B Utilities

NOTES TO THE BALANCE SHEET

The space below is provided for important notes regarding the balance sheet.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	EQUITY CAPITAL			
201	Common Stock Issued	F-15	$ 200	$ 200
204	Preferred Stock Issued	F-15	-	-
202,205 *	Capital Stock Subscribed			
207 *	Premium on Capital Stock			
209 *	Reduction in Par or Stated Value of Capital Stock			
210 *	Gain on Resale or Cancellation of Reacquired Capital Stock			
211	Other Paid - In Capital		880,287	483,287
212	Discount On Capital Stock			
213	Capital Stock Expense			
214-215	Retained Earnings	F-16	(283,494)	(286,706)
216	Reacquired Capital Stock			
218	Proprietary Capital (Proprietorship and Partnership Only)			
	Total Equity Capital		$ 596,993	$ 196,781
	LONG TERM DEBT			
221	Bonds	F-15		
222 *	Reacquired Bonds			
223	Advances from Associated Companies	F-17	-	-
224	Other Long Term Debt	F-17	212,891	510,069
	Total Long Term Debt		$ 212,891	$ 510,069
	CURRENT AND ACCRUED LIABILITIES			
231	Accounts Payable		20,369	20,369
232	Notes Payable	F-18		-
233	Accounts Payable to Associated Companies	F-18	11,084	
234	Notes Payable to Associated Companies	F-18	-	-
235	Customer Deposits		26,151	27,241
236	Accrued Taxes	W/S-3	13,125	12,133
237	Accrued Interest	F-19		
238	Accrued Dividends			
239	Matured Long Term Debt			
240	Matured Interest			
241	Miscellaneous Current & Accrued Liabilities	F-20	581	581
	Total Current & Accrued Liabilities		$ 71,310	$ 60,324

* Not Applicable for Class B Utilities

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED CREDITS			
251	Unamortized Premium On Debt	F-13	$ -	$ -
252	Advances For Construction	F-20	-	-
253	Other Deferred Credits	F-21	-	-
255	Accumulated Deferred Investment Tax Credits			
	Total Deferred Credits		$ -	$ -
	OPERATING RESERVES			
261	Property Insurance Reserve		$ 1,639	$ 771
262	Injuries & Damages Reserve			
263	Pensions and Benefits Reserve			
265	Miscellaneous Operating Reserves			
	Total Operating Reserves		$ 1,639	$ 772
	CONTRIBUTIONS IN AID OF CONSTRUCTION			
271	Contributions in Aid of Construction	F-22	$ 863,171	$ 867,335
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	(791,468)	(845,397)
	Total Net C.I.A.C.		$ 71,703	$ 21,938
	ACCUMULATED DEFERRED INCOME TAXES			
281	Accumulated Deferred Income Taxes - Accelerated Depreciation		$	$
282	Accumulated Deferred Income Taxes - Liberalized Depreciation			
283	Accumulated Deferred Income Taxes - Other			
	Total Accumulated Deferred Income Tax		$ -	$ -
	TOTAL EQUITY CAPITAL AND LIABILITIES		$ 954,536	$ 789,884

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPARATIVE OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR * (e)
	UTILITY OPERATING INCOME			
400	Operating Revenues	F-3(b)	$ 390,330	$ 398,871
469, 530	Less: Guaranteed Revenue and AFPI	F-3(b)	-	-
	Net Operating Revenues		$ 390,330	$ 398,871
401	Operating Expenses	F-3(b)	$ 308,684	$ 317,363
403	Depreciation Expense:	F-3(b)	$ 48,814	$ 48,515
	Less: Amortization of CIAC	F-22	20,075	13,741
	Net Depreciation Expense		$ 28,739	$ 34,774
406	Amortization of Utility Plant Acquisition Adjustment	F-3(b)	-	-
407	Amortization Expense (Other than CIAC)	F-3(b)	-	-
408	Taxes Other Than Income	W/S-3	23,995	30,116
409	Current Income Taxes	W/S-3	-	-
410.10	Deferred Federal Income Taxes	W/S-3	-	-
410.11	Deferred State Income Taxes	W/S-3	-	-
411.10	Provision for Deferred Income Taxes - Credit	W/S-3	-	-
412.10	Investment Tax Credits Deferred to Future Periods	W/S-3	-	-
412.11	Investment Tax Credits Restored to Operating Income	W/S-3	-	-
	Utility Operating Expenses		$ 361,418	$ 382,253
	Net Utility Operating Income		$ 28,912	$ 16,618
469, 530	Add Back: Guaranteed Revenue and AFPI	F-3(b)	-	-
413	Income From Utility Plant Leased to Others		-	-
414	Gains (losses) From Disposition of Utility Property		-	-
420	Allowance for Funds Used During Construction		-	-
	Total Utility Operating Income [Enter here and on Page F-3(c)]		$ 28,912	$ 16,618

* For each account, Column e should agree with Columns f, g and h on F-3(b)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	WATER SCHEDULE W-3 * (f)	WASTEWATER SCHEDULE S-3 * (g)	OTHER THAN REPORTING SYSTEMS (h)
	UTILITY OPERATING INCOME			
400	Operating Revenues	$ 177,740	$ 221,131	$
469, 530	Less: Guaranteed Revenue and AFPI	-	$ -	
	Net Operating Revenues	$ 177,740	$ 221,131	$ -
401	Operating Expenses	$ 129,263	$ 188,100	$
403	Depreciation Expense:	29,358	$ 19,157	
	Less: Amortization of CIAC	2,913	$ 10,828	
	Net Depreciation Expense	$ 26,445	$ 8,329	$ -
406	Amortization of Utility Plant Acquisition Adjustment	-	$ -	
407	Amortization Expense (Other than CIAC)	-	$ -	
408	Taxes Other Than Income	14,078	$ 16,038	
409	Current Income Taxes	-	$ -	
410.10	Deferred Federal Income Taxes	-	$ -	
410.11	Deferred State Income Taxes	-	$ -	
411.10	Provision for Deferred Income Taxes - Credit	-	$ -	
412.10	Investment Tax Credits Deferred to Future Periods	-	$ -	
412.11	Investment Tax Credits Restored to Operating Income	-	$ -	
	Utility Operating Expenses	$ 169,786	$ 212,467	$ -
	Net Utility Operating Income	$ 7,954	$ 8,664	$ -
469, 530	Add Back: Guaranteed Revenue and AFPI	-	$ -	
413	Income From Utility Plant Leased to Others	-	$ -	
414	Gains (losses) From Disposition of Utility Property	-	$ -	
420	Allowance for Funds Used During Construction	-	$ -	
	Total Utility Operating Income [Enter here and on Page F-3(c)]	$ 7,954	$ 8,664	$ -

* Total of Schedules W-3 / S-3 for all rate groups.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
Total Utility Operating Income [from page F-3(a)]			$ 28,912	$ 16,618
	OTHER INCOME AND DEDUCTIONS			
415	Revenues-Merchandising, Jobbing, and Contract Deductions		$	$
416	Costs & Expenses of Merchandising Jobbing, and Contract Work			
419	Interest and Dividend Income			
421	Nonutility Income			
426	Miscellaneous Nonutility Expenses			
Total Other Income and Deductions			$ -	$ -
	TAXES APPLICABLE TO OTHER INCOME			
408.20	Taxes Other Than Income		$	$
409.20	Income Taxes			
410.20	Provision for Deferred Income Taxes			
411.20	Provision for Deferred Income Taxes - Credit			
412.20	Investment Tax Credits - Net			
412.30	Investment Tax Credits Restored to Operating Income			
Total Taxes Applicable To Other Income			$ -	$ -
	INTEREST EXPENSE			
427	Interest Expense	F-19	$	$ -
428	Amortization of Debt Discount & Expense	F-13	(674)	(674)
429	Amortization of Premium on Debt	F-13		
Total Interest Expense			$ (674)	$ (674)
	EXTRAORDINARY ITEMS			
433	Extraordinary Income		$	$
434	Extraordinary Deductions			
409.30	Income Taxes, Extraordinary Items			
Total Extraordinary Items			$ -	$ -
NET INCOME			$ 28,238	$ 15,944

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SCHEDULE OF YEAR END RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	WATER UTILITY (d)	WASTEWATER UTILITY (e)
101	Utility Plant In Service	F-7	$ 1,253,650	$ 1,070,305
	Less: Nonused and Useful Plant (1)		-	
108	Accumulated Depreciation	F-8	712,828	880,043
110	Accumulated Amortization	F-8	-	-
271	Contributions in Aid of Construction	F-22	329,685	537,650
252	Advances for Construction	F-20	-	
	Subtotal		$ 211,137	$ (347,388)
272	Add: Accumulated Amortization of Contributions in Aid of Construction	F-22	329,685	515,712
	Subtotal		$ 540,822	$ 168,324
114	Plus or Minus: Acquisition Adjustments (2)	F-7	-	-
115	Accumulated Amortization of Acquisition Adjustments (2)	F-7	-	-
	Working Capital Allowance (3)		16,158	23,513
105	Other (Specify): Construction in Process		-	-
	RATE BASE		$ 556,980	$ 191,837
	NET UTILITY OPERATING INCOME		$ 7,954	$ 8,664
	ACHIEVED RATE OF RETURN (Operating Income / Rate Base)		1.43%	4.52%

NOTES :

(1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SCHEDULE OF CURRENT COST OF CAPITAL
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING (1)

CLASS OF CAPITAL (a)	DOLLAR AMOUNT (2) (b)	PERCENTAGE OF CAPITAL (c)	ACTUAL COST RATES (3) (d)	WEIGHTED COST (c x d) (e)
Common Equity	$	-		
Preferred Stock		-		
Long Term Debt		-		
Customer Deposits		-		
Tax Credits - Zero Cost		-		
Tax Credits - Weighted Cost		-		
Deferred Income Taxes		-		
Other (Explain)		-		
		-		
Total	$			

(1) If the utility's capital structure is not used, explain which capital structure is used.

(2) Should equal amounts on Schedule F-6, Column (g).

(3) Mid-point of the last authorized Return On Equity or current leverage formula if none has been established.

Must be calculated using the same methodology used in the last rate proceeding using current annual report year end amounts and cost rates.

APPROVED RETURN ON EQUITY

Current Commission Return on Equity:	11.16%
Commission order approving Return on Equity:	100127-WS

APPROVED AFUDC RATE

COMPLETION ONLY REQUIRED IF AFUDC WAS CHARGED DURING YEAR

Current Commission Approved AFUDC rate:	%
Commission order approving AFUDC rate:	

If any utility capitalized any charge in lieu of AFUDC (such as interest only), state the basis of the charge, an explanation as to why AFUDC was not charged and the percentage capitalized.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SCHEDULE OF CAPITAL STRUCTURE ADJUSTMENTS
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING

CLASS OF CAPITAL (a)	PER BOOK BALANCE (b)	NON-UTILITY ADJUSTMENTS (c)	NON-JURISDICTIONAL ADJUSTMENTS (d)	OTHER (1) ADJUSTMENTS SPECIFIC (e)	OTHER (1) ADJUSTMENTS PRO RATA (f)	CAPITAL STRUCTURE (g)
Common Equity	$ 200	$	$	$	$	$
Preferred Stock						
Long Term Debt						
Customer Deposits						
Tax Credits - Zero Cost						
Tax Credits - Weighted Cost						
Deferred Inc. Taxes						
Other (Explain)						
Total	$ 200	$	$	$	$	$

(1) Explain below all adjustments made in Columns (e) and (f):

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

UTILITY PLANT
ACCOUNTS 101 - 106

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
	Plant Accounts:				
101	Utility Plant In Service	$ 1,253,650	$ 1,070,305	$ -	$ 2,323,955
102	Utility Plant Leased to Other	-	-	-	-
103	Property Held for Future Use	-	-	-	-
104	Utility Plant Purchased or Sold	-	-	-	-
105	Construction Work in Progress	-	-	-	-
106	Completed Construction Not Classified	-	-	-	-
	Total Utility Plant	$ 1,253,650	$ 1,070,305	$ -	$ 2,323,955

UTILITY PLANT ACQUISITION ADJUSTMENTS
ACCOUNTS 114 AND 115

Report each acquisition adjustment and related accumulated amortization separately.
For any acquisition adjustments approved by the Commission, include the Order Number.

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
114	Acquisition Adjustment	$ -	-	-	$ -
		-	-	-	-
					-
Total Plant Acquisition Adjustments		$ -	$ -	$ -	$ -
115	Accumulated Amortization	$ -	-	-	$ -
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
Total Accumulated Amortization		$ -	$ -	$ -	$ -
Net Acquisition Adjustments		$ -	$ -	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

ACCUMULATED DEPRECIATION (ACCT. 108) AND AMORTIZATION (ACCT. 110)

DESCRIPTION (a)	WATER (b)	WASTEWATER (c)	OTHER THAN REPORTING SYSTEMS (d)	TOTAL (e)
ACCUMULATED DEPRECIATION Account 108				
Balance first of year	$ 683,470	$ 860,886	$ -	$ 1,544,356
Credit during year:				
Accruals charged to:				
Account 108.1 (1)	$ 29,358	$ 19,157	$	$ 48,515
Account 108.2 (2)				-
Account 108.3 (2)				-
Other Accounts (specify):				-
				-
Salvage				-
Other Credits (Specify):				-
				-
Total Credits	$ 29,358	$ 19,157	$ -	$ 48,515
Debits during year:				
Book cost of plant retired	-	-		-
Cost of Removal				-
Other Debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ 712,828	$ 880,043	$ -	$ 1,592,871
ACCUMULATED AMORTIZATION Account 110				
Balance first of year	$	$	$	$ -
Credit during year:				
ccruals charged to:				
	$	$	$	$ -
Account 110.2 (3)				-
Other Accounts (specify):				-
				-
Total credits	$ -	$ -	$ -	$ -
Debits during year:				
Book cost of plant retired				-
Other debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ -	$ -	$ -	$ -

(1) Account 108 for Class B utilities.

(2) Not applicable for Class B utilities.

(3) Account 110 for Class B utilities.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

REGULATORY COMMISSION EXPENSE
AMORTIZATION OF RATE CASE EXPENSE (ACCOUNTS 666 AND 766)

DESCRIPTION OF CASE (DOCKET NO.) (a)	EXPENSE INCURRED DURING YEAR (b)	CHARGED OFF DURING YEAR	
		ACCT. (d)	AMOUNT (e)
None	$		$
Total	$		$

NONUTILITY PROPERTY (ACCOUNT 121)

Report separately each item of property with a book cost of $25,000 or more included in Account 121.
Other Items may be grouped by classes of property.

DESCRIPTION (a)	BEGINNING YEAR (b)	ADDITIONS (c)	REDUCTIONS (d)	ENDING YEAR BALANCE (e)
None	$	$	$	$
Total Nonutility Property	$ -	$ -	$ -	$ -

SPECIAL DEPOSITS (ACCOUNTS 132 AND 133)

Report hereunder all special deposits carried in Accounts 132 and 133.

DESCRIPTION OF SPECIAL DEPOSITS (a)	YEAR END BOOK COST (b)
SPECIAL DEPOSITS (Account 132):	
Total Special Deposits	$ -
OTHER SPECIAL DEPOSITS (Account 133):	
Total Other Special Deposits	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

INVESTMENTS AND SPECIAL FUNDS
ACCOUNTS 123 - 127

Report hereunder all investments and special funds carried in Accounts 123 through 127.

DESCRIPTION OF SECURITY OR SPECIAL FUND (a)	FACE OR PAR VALUE (b)	YEAR END BOOK COST (c)
INVESTMENT IN ASSOCIATED COMPANIES (Account 123):	$	$
None		
Total Investment in Associated Companies		$
UTILITY INVESTMENTS (Account 124):	$	$
None		
Total Utility Investment		$
OTHER INVESTMENTS (Account 125):	$	$
None		
Total Other Investment		$
SPECIAL FUNDS (Class A Utilities: Accounts 126 and 127; Class B Utilities: Account 127):		$
None		
Total Special Funds		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

ACCOUNTS AND NOTES RECEIVABLE - NET
ACCOUNTS 141 - 144

Report hereunder all accounts and notes receivable included in Accounts 141, 142, and 144. Amounts included in Amounts included in Accounts 142 and 144 should be listed individually.

DESCRIPTION (a)		TOTAL (b)
CUSTOMER ACCOUNTS RECEIVABLE (Account 141):		
Water & Wastewater	$ 36,635	
Other		
Total Customer Accounts Receivable		$ 36,635
OTHER ACCOUNTS RECEIVABLE (Account 142):		
Employee accounts receivable	$	
Total Other Accounts Receivable		$ -
NOTES RECEIVABLE (Account 144):		
	$	
None		
Total Notes Receivable		$ -
Total Accounts and Notes Receivable		$ 36,635
ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (Account 143)		
Balance first of year	$	
Add: Provision for uncollectibles for current year	$	
Collection of accounts previously written off		
Utility Accounts		
Others		
Total Additions	$ -	
Deduct accounts written off during year:		
Utility Accounts		
Others		
Total accounts written off	$ -	
Balance end of year		$ -
TOTAL ACCOUNTS AND NOTES RECEIVABLE - NET		$ 36,635

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 145

Report each account receivable from associated companies separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$

NOTES RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 146

Report each note receivable from associated companies separately.

DESCRIPTION (a)	INTEREST RATE (b)	TOTAL (c)
None	%	$
Total		$

MISCELLANEOUS CURRENT AND ACCRUED ASSETS
ACCOUNT 174

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
None	$
Total Miscellaneous Current and Accrued Liabilities	$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT ACCOUNTS 181 AND 251

Report the net discount and expense or premium separately for each security issue.

DESCRIPTION (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
UNAMORTIZED DEBT DISCOUNT AND EXPENSE (Account 181):		
Unamortized Debt Discount	$ 674	$ 1,424
Total Unamortized Debt Discount and Expense	$ 674	$ 1,424
UNAMORTIZED PREMIUM ON DEBT (Account 251):		
None	$	$
Total Unamortized Premium on Debt	$	$ -

EXTRAORDINARY PROPERTY LOSSES ACCOUNT 182

Report each item separately.

DESCRIPTION (a)	TOTAL (b)
None	$
Total Extraordinary Property Losses	$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

MISCELLANEOUS DEFERRED DEBITS
ACCOUNT 186

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
DEFERRED RATE CASE EXPENSE (Class A Utilities: Account 186.1)		
	$	$
Total Deferred Rate Case Expense	$ -	$ -
OTHER DEFERRED DEBITS (Class A Utilities: Account 186.2):		
	$	
Total Other Deferred Debits	$ -	$ -
REGULATORY ASSETS (Class A Utilities: Account. 186.3):		
	$	$
Total Regulatory Assets	$ -	$ -
TOTAL MISCELLANEOUS DEFERRED DEBITS	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

CAPITAL STOCK
ACCOUNTS 201 AND 204*

DESCRIPTION (a)	RATE (b)	TOTAL (c)
COMMON STOCK		
Par or stated value per share	%	$ 1
Shares authorized		200
Shares issued and outstanding		200
Total par value of stock issued	%	$ 200
Dividends declared per share for year	%	$ -
PREFERRED STOCK		
Par or stated value per share	None %	$
Shares authorized		
Shares issued and outstanding		
Total par value of stock issued	%	$
Dividends declared per share for year	%	$

* Account 204 not applicable for Class B utilities.

BONDS
ACCOUNT 221

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$

* For variable rate obligations, provide the basis for the rate. (i.e., prime + 2%, etc.)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

STATEMENT OF RETAINED EARNINGS

1. Dividends should be shown for each class and series of capital stock. Show amounts as dividends per share.
2. Show separately the state and federal income tax effect of items shown in Account No. 439.

ACCT. NO. (a)	DESCRIPTION (b)	AMOUNTS (c)
215	Unappropriated Retained Earnings: Balance Beginning of Year	$ (283,494)
439	Changes to Account: Adjustments to Retained Earnings (requires Commission approval prior to use): Credits:	$
	Total Credits:	$ -
	Debits:	$
	Total Debits:	$ -
435	Balance Transferred from Income	$ (3,212)
436	Appropriations of Retained Earnings:	
	Total Appropriations of Retained Earnings	$ -
	Dividends Declared:	
437	Preferred Stock Dividends Declared	
438	Common Stock Dividends Declared Shareholder Distributions	
	Total Dividends Declared	$ -
215	Year end Balance	$ (286,706)
214	Appropriated Retained Earnings (state balance and purpose of each appropriated amount at year end):	
214	Total Appropriated Retained Earnings	$ -
Total Retained Earnings		$ (286,706)
Notes to Statement of Retained Earnings:		

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

ADVANCES FROM ASSOCIATED COMPANIES
ACCOUNT 223

Report each advance separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$ -

OTHER LONG-TERM DEBT
ACCOUNT 224

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
	%		
State of Florida Revolving Fund Loan	2.99 %	Fixed	79,982
	%		
	%		
Regions Bank LC	6.50 %	Var	33,087
	%		
	%		
Stockholder Loan	0.00 %		397,000
	%		
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$ 510,069

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

NOTES PAYABLE
ACCOUNTS 232 AND 234

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
NOTES PAYABLE (Account 232):			
	%		$
	%		
	%		
	%		
	%		
	%		
Total Account 232			$ -
NOTES PAYABLE TO ASSOC. COMPANIES (Account 234):			
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 234			$ -

* For variable rate obligations, provide the basis for the rate. (i.e., prime + 2%, etc.)

ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES
ACCOUNT 233

Report each account payable separately.

DESCRIPTION (a)	TOTAL (b)
	$
Mira International	
Total	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2018

ACCRUED INTEREST AND EXPENSE
ACCOUNTS 237 AND 427

DESCRIPTION OF DEBIT (a)	BALANCE BEGINNING OF YEAR (b)	INTEREST ACCRUED DURING YEAR		INTEREST PAID DURING YEAR (e)	BALANCE END OF YEAR (f)
		ACCT. DEBIT (c)	AMOUNT (d)		
ACCOUNT NO. 237.1 - Accrued Interest on Long Term Debt					
	$ -	427.4	$ 4,945	$ 4,945	$ -
Total Account 237.1	$ -		$ -	$ -	$ -
ACCOUNT NO. 237.2 - Accrued Interest on Other Liabilities					
	$ -	427	$ -		$ -
Total Account 237.2	$ -		$ -	$ -	$ -
Total Account 237 (1)	$ -		$ -	$ -	$ -
INTEREST EXPENSED:					
Total accrual Account 237		237	$ -		
Less Capitalized Interest Portion of AFUDC:					
Net Interest Expensed to Account No. 427 (2)			$ -		

(1) Must agree to F-2 (a), Beginning and Ending Balance of Accrued Interest.

(2) Must agree to F-3 (c), Current Year Interest Expense

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES
ACCOUNT 241

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
Refund Checks Returned	$ 581
Total Miscellaneous Current and Accrued Liabilities	$ 581

ADVANCES FOR CONSTRUCTION
ACCOUNT 252

NAME OF PAYOR * (a)	BALANCE BEGINNING OF YEAR (b)	DEBITS ACCT. DEBIT (c)	DEBITS AMOUNT (d)	CREDITS (e)	BALANCE END OF YEAR (f)
	$	252	$		$ -
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
Total	$ -		$ -	$ -	$ -

* Report advances separately by reporting group, designating water or wastewater in column (a).

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

OTHER DEFERRED CREDITS
ACCOUNT 253

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
REGULATORY LIABILITIES (Class A Utilities: Account 253.1):		
None	$	$
Total Regulatory Liabilities	$ -	$ -
OTHER DEFERRED LIABILITIES (Class A Utilities: Account 253.2):		
None	$	$
Total Other Deferred Liabilities	$ -	$ -
TOTAL OTHER DEFERRED CREDITS	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	WATER (W-7) (b)	WASTEWATER (S-7) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 329,685	$ 537,650	$	$ 867,335
Add credits during year:	$ -	-	-	-
Less debit charged during the year	$ -	$ -	$ -	$ -
Total Contribution In Aid of Construction	$ 329,685	$ 537,650	$ -	$ 867,335

ACCUMULATED AMORTIZATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 272

DESCRIPTION (a)	WATER (W-8(a)) (b)	WASTEWATER (S-8(a)) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 326,772	$ 504,884	$	$ 831,656
Debits during the year:	$ 2,913	10,828		$ 13,741
Credits during the year	$ -	$ -	$	$ -
Total Accumulated Amortization of Contributions In Aid of Construction	$ 329,685	$ 515,712	$ -	$ 845,397

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES (UTILITY OPERATIONS)

1. The reconciliation should include the same detail as furnished on Schedule M-1 of the federal tax return for the year. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount and show the computations of all tax accruals.

2. If the utility is a member of a group which files a consolidated federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating intercompany amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignments or sharing of the consolidated tax among the group members.

DESCRIPTION (a)	REF. NO. (b)	AMOUNT (c)
Net income for the year	F-3(c)	$ -
Reconciling items for the year:		
Taxable income not reported on books:		
		-
		-
Deductions recorded on books not deducted for return:		
		-
		-
Income recorded on books not included in return:		
		-
		-
		-
		-
Deduction on return not charged against book income:		
		-
		-
		-
		-
Federal tax net income		$ -

Computation of tax :

This Corporation is an "S" Corporation, therfore this schedule is not applicable

WATER
OPERATION
SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

WATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The water financial schedules (W-2 through W-10) should be filed for the group in total.
The water engineering schedules (W-11 through W-14) must be filed for each system in the group.
All of the following water pages (W-2 through W-14) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-10-AR	1

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

SCHEDULE OF YEAR END WATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WATER UTILITY (d)
101	Utility Plant In Service	W-4(b)	$ 1,253,650
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	W-6(b)	712,828
110	Accumulated Amortization		
271	Contributions in Aid of Construction	W-7	329,685
252	Advances for Construction		-
	Subtotal		$ 211,137
272	Add: Accumulated Amortization of Contributions in Aid of Construction	W-8(a)	$ 329,685
	Subtotal		$ 540,822
	Plus or Minus:		
114	Acquisition Adjustments (2)		-
115	Accumulated Amortization of Acquisition Adjustments (2)		-
	Working Capital Allowance (3)		16,158
	Other (Specify):		
105	Construction in Process		-
	WATER RATE BASE		$ 556,980
	WATER OPERATING INCOME	W-3	$ 7,954
	ACHIEVED RATE OF RETURN (Water Operating Income / Water Rate Base)		1.43%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	CURRENT YEAR (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	W-9	$ 177,740
469	Less: Guaranteed Revenue and AFPI	W-9	-
	Net Operating Revenues		$ 177,740
401	Operating Expenses	W-10(a)	$ 129,263
403	Depreciation Expense	W-6(a)	29,358
	Less: Amortization of CIAC	W-8(a)	2,913
	Net Depreciation Expense		$ 26,445
406	Amortization of Utility Plant Acquisition Adjustment		
407	Amortization Expense (Other than CIAC)		-
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		7,918
408.11	Property Taxes		1,480
408.12	Payroll Taxes		4,680
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 14,078
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 169,786
	Utility Operating Income		$ 7,954
	Add Back:		
469	Guaranteed Revenue (and AFPI)	W-9	$ -
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ 7,954

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
301	1993 Rate Case Expense	$ 482	$		$ 482
302	Franchises	925			925
303	Land and Land Rights	182,500			182,500
304	Structures and Improvements	122,472			122,472
305	Collecting and Impounding Reservoirs	0			
306	Lake, River and Other Intakes	0			
307	Wells and Springs	0			
309	Supply Mains	2,469			2,469
310	Power Generation Equipment	19,733			19,733
311	Pumping Equipment	76,015			76,015
320	Water Treatment Equipment	6,568			6,568
330	Distribution Reservoirs and Standpipes	292,464			292,464
331	Transmission and Distribution Mains	282,945			282,945
333	Services	69,852			69,852
334	Meters and Meter Installations	170,838	9,448		180,286
335	Hydrants	8,000			8,000
336	Backflow Prevention Devices	0			
339	Other Plant Miscellaneous Equipment	1,462			1,462
340	Office Furniture and Equipment	5,740			5,740
341	Transportation Equipment	800			800
342	Stores Equipment	0			
343	Tools, Shop and Garage Equipment	937			937
344	Laboratory Equipment	0			
345	Power Operated Equipment	0			
346	Communication Equipment	0			
347	Miscellaneous Equipment	0			
349	Abandonment of Regional Plant	0			
	TOTAL WATER PLANT	$ 1,244,202	$ 9,448	$	$ 1,253,650

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 INTANGIBLE PLANT (d)	.2 SOURCE OF SUPPLY AND PUMPING PLANT (e)	.3 WATER TREATMENT PLANT (f)	.4 TRANSMISSION AND DISTRIBUTION PLANT (g)	.5 GENERAL PLANT (h)
301	1993 Rate Case Expense	$ 482	$ 482	$	$	$	$
302	Franchises	925	925				
303	Land and Land Rights	182,500		182,500			
304	Structures and Improvements	122,472		122,472			
305	Collecting and Impounding Reservoirs						
306	Lake, River and Other Intakes						
307	Wells and Springs						
309	Supply Mains	2,469		2,469			
310	Power Generation Equipment	19,733		19,733			
311	Pumping Equipment	76,015		76,015			
320	Water Treatment Equipment	6,568			6,568		
330	Distribution Reservoirs and Standpipes	292,464				292,464	
331	Transmission and Distribution Mains	282,945				282,945	
333	Services	69,852				69,852	
334	Meters and Meter Installations	180,286				180,286	
335	Hydrants	8,000				8,000	
336	Backflow Prevention Devices						
339	Other Plant Miscellaneous Equipment	1,462	1,462				
340	Office Furniture and Equipment	5,740					5,740
341	Transportation Equipment	800					800
342	Stores Equipment						
343	Tools, Shop and Garage Equipment	937					937
344	Laboratory Equipment						
345	Power Operated Equipment						
346	Communication Equipment						
347	Miscellaneous Equipment						
349	Abandonment of Regional Plant						
	TOTAL WATER PLANT	$ 1,253,650	$ 2,869	$ 403,189	$ 6,568	$ 833,546	$ 7,477

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

BASIS FOR WATER DEPRECIATION CHARGES

ACCT. NO.	ACCOUNT NAME	AVERAGE SERVICE LIFE IN YEARS	AVERAGE NET SALVAGE IN PERCENT	DEPRECIATION RATE APPLIED IN PERCENT (100% - d) / c
(a)	(b)	(c)	(d)	(e)
301	1993 Rate Case Expense	4		25.00%
302	Franchises	29		
304	Structures and Improvements	27		
305	Collecting and Impounding Reservoirs			
306	Lake, River and Other Intakes			
307	Wells and Springs	15		6.67%
309	Supply Mains	32		3.13%
310	Power Generation Equipment	15		6.67%
311	Pumping Equipment	15		6.67%
320	Water Treatment Equipment	7		14.29%
330	Distribution Reservoirs and Standpipes	30		3.33%
331	Transmission and Distribution Mains	40		2.50%
333	Services	35		2.86%
334	Meters and Meter Installations	17		5.88%
335	Hydrants	20		5.00%
336	Backflow Prevention Devices			
339	Other Plant Miscellaneous Equipment	6		16.67%
340	Office Furniture and Equipment	6		16.67%
341	Transportation Equipment	6		16.67%
342	Stores Equipment			
343	Tools, Shop and Garage Equipment	15		6.67%
344	Laboratory Equipment			
345	Power Operated Equipment			
346	Communication Equipment			
347	Miscellaneous Equipment			
349	Abandonment of Regional Plant			
Water Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
301	1993 Rate Case Expense	$ 482	$		$ 0
302	Franchises	925			0
304	Structures and Improvements	88,452	4,082		4,082
305	Collecting and Impounding Reservoirs				0
306	Lake, River and Other Intakes	0			0
307	Wells and Springs	0			0
309	Supply Mains	1,991	70		70
310	Power Generation Equipment	19,733			0
311	Pumping Equipment	76,013			0
320	Water Treatment Equipment	6,568			0
330	Distribution Reservoirs and Standpipes	171,897	7,904		7,904
331	Transmission and Distribution Mains	181,892	6,580		6,580
333	Services	46,295	1,746		1,746
334	Meters and Meter Installations	75,537	8,718		8,718
335	Hydrants	5,883	177		177
336	Backflow Prevention Devices	0			0
339	Other Plant Miscellaneous Equipment	327	81		81
340	Office Furniture and Equipment	5,739			0
341	Transportation Equipment	800	0		0
342	Stores Equipment	0			0
343	Tools, Shop and Garage Equipment	936			0
344	Laboratory Equipment	0			0
345	Power Operated Equipment	0			0
346	Communication Equipment	0			0
347	Miscellaneous Equipment	0			0
349	Abandonment of Regional Plant				
TOTAL WATER ACCUMULATED DEPRECIATION		$ 683,470	$ 29,358	$ 0	$ 29,358

* Specify nature of transaction
Use ( ) to denote reversal entries.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION (CONT'D)

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
301	1993 Rate Case Expense	$			$ 0	$ 482
302	Franchises				0	925
304	Structures and Improvements				0	92,534
305	Collecting and Impounding Reservoirs				0	0
306	Lake, River and Other Intakes				0	0
307	Wells and Springs				0	0
309	Supply Mains				0	2,061
310	Power Generation Equipment				0	19,733
311	Pumping Equipment				0	76,013
320	Water Treatment Equipment				0	6,568
330	Distribution Reservoirs and Standpipes				0	179,801
331	Transmission and Distribution Mains				0	188,472
333	Services				0	48,041
334	Meters and Meter Installations				0	84,255
335	Hydrants				0	6,060
336	Backflow Prevention Devices				0	0
339	Other Plant Miscellaneous Equipment				0	408
340	Office Furniture and Equipment				0	5,739
341	Transportation Equipment				0	800
342	Stores Equipment				0	0
343	Tools, Shop and Garage Equipment				0	936
344	Laboratory Equipment				0	0
345	Power Operated Equipment				0	0
346	Communication Equipment				0	0
347	Miscellaneous Equipment				0	0
349	Abandonment of Regional Plant					
TOTAL WATER ACCUMULATED DEPRECIATION		$ 0	$ 0	$ 0	$ 0	$ 712,828

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WATER (c)
Balance first of year		$ 329,685
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	W-8(a)	$ 0
Contributions received from Developer or Contractor Agreements in cash or property	W-8(a)	0
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 329,685

If any prepaid CIAC has been collected, provide a supporting schedule showing how the amount is determined.

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2018

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
			$ -
			-
			-
			-
			-
			-
			-
Total Credits			$

ACCUMULATED AMORTIZATION OF WATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WATER (b)
Balance first of year	$ 326,772
Debits during the year:	
Accruals charged to Account 272	$ 2,913
Other debits (specify) :	
Total debits	$ 2,913
Credits during the year (specify) :	
	$ 0
Total credits	$ -
Balance end of year	$ 329,685

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS (d)	AMOUNT (e)
	Water Sales:			
460	Unmetered Water Revenue			$
	Metered Water Revenue:			
461.1	Sales to Residential Customers	449	449	127,908
461.2	Sales to Commercial Customers	55	60	45.570
461.3	Sales to Industrial Customers			
461.4	Sales to Public Authorities			
461.5	Sales Multiple Family Dwellings			
	Total Metered Sales	504	509	$ 173,478
	Fire Protection Revenue:			
462.1	Public Fire Protection			
462.2	Private Fire Protection			
	Total Fire Protection Revenue	-	-	$ -
464	Other Sales To Public Authorities			
465	Sales To Irrigation Customers			
466	Sales For Resale			
467	Interdepartmental Sales			
	Total Water Sales	504	509	$ 173,478
	Other Water Revenues:			
469	Guaranteed Revenues (Including Allowance for Funds Prudently Invested or AFPI)			$
470	Forfeited Discounts			
471	Miscellaneous Service Revenues			
472	Rents From Water Property			
473	Interdepartmental Rents			
474	Other Water Revenues			4,262
	Total Other Water Revenues			$ 4,262
	Total Water Operating Revenues			$ 177,740

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY EXPENSE ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 SOURCE OF SUPPLY AND EXPENSES - OPERATIONS (d)	.2 SOURCE OF SUPPLY AND EXPENSES - MAINTENANCE (e)
601	Salaries and Wages - Employees	$ 17,400	$ 1,740	1,740
603	Salaries and Wages - Officers, Directors and Majority Stockholders	17,000 -		
604	Employee Pensions and Benefits	4,320	432	432
610	Purchased Water	-		
615	Purchased Power	11,061	11,061	
616	Fuel for Power Production	-		
618	Chemicals	584	584	
620	Materials and Supplies	-		
631	Contractual Services-Engineering	600		
632	Contractual Services - Accounting			
633	Contractual Services - Legal	-		
634	Contractual Services - Mgt. Fees	32,400		
635	Contractual Services - Testing	175		
636	Contractual Services - Other	5,625	5,625	
641	Rental of Building/Real Property	7,200		
642	Rental of Equipment	-		
650	Transportation Expenses	-		
656	Insurance - Vehicle	-		
657	Insurance - General Liability	4,560	4,560	
658	Insurance - Workman's Comp.	-		
659	Insurance - Other	-		
660	Advertising Expense	-		
666	Regulatory Commission Expenses - Amortization of Rate Case Expense	-		
667	Regulatory Commission Exp.-Other			
668	Water Resource Conservation Exp.	-		
670	Bad Debt Expense	-		
675	Miscellaneous Expenses	$ 28,338	75	10,482
	Total Water Utility Expenses	$ 129,263	$ 24,077	$ 12,654

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER EXPENSE ACCOUNT MATRIX

.3 WATER TREATMENT EXPENSES - OPERATIONS (f)	.4 WATER TREATMENT EXPENSES - MAINTENANCE (g)	.5 TRANSMISSION & DISTRIBUTION EXPENSES - OPERATIONS (h)	.6 TRANSMISSION & DISTRIBUTION EXPENSES - MAINTENANCE (i)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)
1,740	1,740	1,740	1,740	5,220	1,740
432	432	432	432	1,296	432
				-	-
				25,920	6,480
	200				
				5,760	1,440
2,208	2,365	8,888			4,320
$ 4,380	$ 4,737	$ 11,060	$ 2,172	$ 38,196	$ 14,412

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

PUMPING AND PURCHASED WATER STATISTICS

MONTH (a)	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [(b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	2,457	0	2,457	2,457
February	0	2,130	0	2,130	2,130
March	0	2,131	0	2,131	2,131
April	0	2,202	0	2,202	2,202
May	0	2,139	0	2,139	2,139
June	0	2,076	0	2,076	2,076
July	0	2,365	0	2,365	2,365
August	0	2,164	0	2,164	2,164
September	0	2,393	0	2,393	2,393
October	0	2,030	0	2,030	2,030
November	0	2,015	0	2,015	2,015
December	0	2,013	0	2,013	2,013
Total for Year	-	26,115	-	26,115	26,115

If water is purchased for resale, indicate the following:

Vendor

Point of delivery

If water is sold to other water utilities for redistribution, list names of such utilities below:

SOURCE OF SUPPLY

List for each source of supply:	CAPACITY OF WELL	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Backup Well	5,000,000 *	0	Well
Backup Well	5,000,000 *	0	Well
Main Well	47,450,000 *	130,000	Well

* Annual

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Permitted Capacity of Plant (GPD): 108,500

Location of measurement of capacity (i.e. Wellhead, Storage Tank): Flow Meter

Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.): Liquid Chlorinated

LIME TREATMENT

Unit rating (i.e., GPM, pounds per gallon): N/A

Manufacturer:

FILTRATION

Type and size of area:

Pressure (in square feet): N/A

Manufacturer:

Gravity (in GPM/square feet):

Manufacturer:

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CALCULATION OF THE WATER SYSTEM METER EQUIVALENTS

METER SIZE (a)	TYPE OF METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential				
5/8"	Displacement	1.0	464	464
3/4"	Displacement	1.5		
1"	Displacement	2.5	32	80
1 1/4"	Displacement, Compound or Turbine	3.8		
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
			Total Water System Meter Equivalents	616

CALCULATION OF THE WATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC).
Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:
ERC = (Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day)

ERC Calculation:

39,965,000 gallons sold / 501 average SFR Customers / 365 days 218

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present ERC's * the system can efficiently serve. 218
2. Maximum number of ERCs * which can be served. 300
3. Present system connection capacity (in ERCs *) using existing lines. 225
4. Future connection capacity (in ERCs *) upon service area buildout. 10
5. Estimated annual increase in ERCs *. 1
6. Is the utility required to have fire flow capacity? _____ Yes
   If so, how much capacity is required? 1500 GPM
7. Attach a description of the fire fighting facilities. Fire Truck Tank Refill, Fire Hydrants, and Commercial Sprinkler System
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. N/A
9. When did the company last file a capacity analysis report with the DEP? _____ Dec-14
10. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? _____
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO
11. Department of Environmental Protection ID # 3424620
12. Water Management District Consumptive Use Permit # 2995
    a. Is the system in compliance with the requirements of the CUP? _____ Yes
    b. If not, what are the utility's plans to gain compliance? _____

* An ERC is determined based on the calculation on the bottom of Page W-13.

WASTEWATER OPERATION SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

WASTEWATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The wastewater financial schedules (S-2 through S-10) should be filed for the group in total.
The wastewater engineering schedules (S-11 through S-13) must be filed for each system in the group.
All of the following wastewater pages (S-2 through S-13) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-12-AR	

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

SCHEDULE OF YEAR END WASTEWATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
101	Utility Plant In Service	S-4(a)	$ 1,070,305
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	S-6(b)	880,043
110	Accumulated Amortization		
271	Contributions in Aid of Construction	S-7	537,650
252	Advances for Construction	F-20	0
	Subtotal		$ -347,388
272	Add: Accumulated Amortization of Contributions in Aid of Construction	S-8(a)	$ 515,712
	Subtotal		$ 168,324
	Plus or Minus:		
114	Acquisition Adjustments (2)		
115	Accumulated Amortization of Acquisition Adjustments (2)		
	Working Capital Allowance (3)		23,513
	Other (Specify):		
	WASTEWATER RATE BASE		$ 191,837
	WASTEWATER OPERATING INCOME	S-3	$ 8,664
	ACHIEVED RATE OF RETURN (Wastewater Operating Income / Wastewater Rate Base)		4.52%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	S-9	$ 221,131
530	Less: Guaranteed Revenue (and AFPI)	S-9	0
	Net Operating Revenues		$ 221,131
401	Operating Expenses	S-10(a)	$ 188,100
403	Depreciation Expense	S-6(a)	19,157
	Less: Amortization of CIAC	S-8(a)	10,828
	Net Depreciation Expense		$ 8,329
406	Amortization of Utility Plant Acquisition Adjustment	F-7	
407	Amortization Expense (Other than CIAC)	F-8	0
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		10,065
408.11	Property Taxes		1,293
408.12	Payroll Taxes		4,680
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 16,038
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 212,467
	Utility Operating Income		$ 8,664
	Add Back:		
530	Guaranteed Revenue (and AFPI)	W-9	$
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ 8,664

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
351	Organization	$ 947	$	$	$ 947
352	Franchises	3,806			3,806
353	Land and Land Rights	93,388			93,388
354	Structures and Improvements	170,068			170,068
355	Power Generation Equipment	0			0
360	Collection Sewers - Force	33,459			33,459
361	Collection Sewers - Gravity	141,888			141,888
362	Special Collecting Structures	2,531			2,531
363	Services to Customers	64,155			64,155
364	Flow Measuring Devices	1,711			1,711
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	236,250	3,204		239,454
371	Pumping Equipment	0			0
374	Reuse Distribution Reservoirs	0			0
375	Reuse Transmission and	0			0
	Distribution System	0			0
380	Treatment and Disposal Equipment	124,447			124,447
381	Plant Sewers	153,842	1,640		155,482
382	Outfall Sewer Lines	8,821			8,821
389	Other Plant Miscellaneous Equipment	7,567			7,567
390	Office Furniture and Equipment	5,397			5,397
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,135			1,135
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			16,049
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Wastewater Plant	$ 1,065,461	$ 4,844	$ 0	$ 1,070,305

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY: Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (f)	.1 INTANGIBLE PLANT (g)	.2 COLLECTION PLANT (h)	.3 SYSTEM PUMPING PLANT (i)	.4 TREATMENT AND DISPOSAL (j)	.5 GENERAL PLANT (h)
351	Organization	$ 947	$ 947	$	$	$	$
352	Franchises	3,806	3,806				
353	Land and Land Rights	93,388		93,388			
354	Structures and Improvements	170,068		170,068			
355	Power Generation Equipment	0		0			
360	Collection Sewers - Force	33,459		33,459			
361	Collection Sewers - Gravity	141,888		141,888			
362	Special Collecting Structures	2,531		2,531			
363	Services to Customers	64,155		64,155			
364	Flow Measuring Devices	1,711		1,711			
365	Flow Measuring Installations	0		0			
366	Reuse Services	0		0			
367	Reuse Meters and Meter Installations	0		0			
370	Receiving Wells	239,454			239,454		
371	Pumping Equipment	0			0		
374	Reuse Distribution Reservoirs	0			0		
375	Reuse Transmission and	0			0		
	Distribution System	0			0		
380	Treatment and Disposal Equipment	124,447				124,447	
381	Plant Sewers	155,482				155,482	
382	Outfall Sewer Lines	8,821				8,821	
389	Other Plant Miscellaneous Equipment	7,567		7,567			
390	Office Furniture and Equipment	5,397					5,397
391	Transportation Equipment	0					0
392	Stores Equipment	0					0
393	Tools, Shop and Garage Equipment	1,135					1,135
394	Laboratory Equipment	0					0
395	Power Operated Equipment	16,049		16,049			
396	Communication Equipment	0					0
397	Miscellaneous Equipment	0					0
398	Other Tangible Plant	0					0
	Total Wastewater Plant	$ 1,070,305	$ 4,753	$ 530,816	$ 239,454	$ 288,750	$ 6,532

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

BASIS FOR WASTEWATER DEPRECIATION CHARGES

ACCT. NO. (a)	ACCOUNT NAME (b)	AVERAGE SERVICE LIFE IN YEARS (c)	AVERAGE NET SALVAGE IN PERCENT (d)	DEPRECIATION RATE APPLIED IN PERCENT (100% - D) / C (e)
351	Organizational	29		3.45%
352	Franchises	3		33.33%
354	Structures and Improvements	27		3.70%
360	Collection Sewers - Force	27		3.70%
361	Collection Sewers - Gravity	40		2.50%
362	Special Collecting Structures	37		2.70%
363	Services to Customers	35		2.86%
364	Flow Measuring Devices	17		5 88%
365	Flow Measuring Installations			
366	Reuse Services			
367	Reuse Meters and Meter Installations			
370	Receiving Wells	18		5.56%
371	Pumping Equipment			
375	Reuse Transmission and Distribution System			
380	Treatment and Disposal Equipment	15		6.67%
382	Used Plant #3	15		6.67%
389	Other Plant Miscellaneous Equipment	35		2.86%
390	Office Furniture and Equipment	6		16.67%
391	Transportation Equipment			
392	Stores Equipment			
393	Tools, Shop and Garage Equipment	15		6.67%
394	Laboratory Equipment			
395	Tractor & Mower	10		10.00%
396	Communication Equipment			
397	Miscellaneous Equipment			
398	Other Tangible Plant			
Wastewater Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
351	Organizational	$ 799	$ 23	$	$ 23
352	Franchises	3,805			0
354	Structures and Improvements	120,471	5,668		5,668
355	Power Generation Equipment				0
360	Collection Sewers - Force	32,601	769		769
361	Collection Sewers - Gravity	99,207	3,153		3,153
362	Special Collecting Structures	2,532			0
363	Services to Customers	51,434	1,688		1,688
364	Flow Measuring Devices	1,710			0
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	234,281	5,172		5,172
371	Pumping Equipment	0			0
375	Reuse Transmission and Distribution System	0			0
380	Treatment and Disposal Equipment	124,447			0
381	Plant Sewers	153,841	1,640		1,640
382	Outfall Sewer Lines	6,997	588		588
389	Other Plant Miscellaneous Equipment	6,218	420		420
390	Office Furniture and Equipment	5,396			0
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,098	36		36
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			0
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
Total Depreciable Wastewater Plant in Service		$ 860,886	$ 19,157	$ 0	$ 19,157

* Specify nature of transaction.
Use ( ) to denote reversal entries.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
354	Structures and Improvements	$	$	$	$ 0	$ 822
					0	3,805
354	Structures and Improvements	$	$	$	0	126,139
355	Power Generation Equipment				0	0
360	Collection Sewers - Force				0	33,370
361	Collection Sewers - Gravity				0	102,360
362	Special Collecting Structures				0	2,532
363	Services to Customers				0	53,122
364	Flow Measuring Devices				0	1,710
365	Flow Measuring Installations				0	0
366	Reuse Services				0	0
367	Reuse Meters and Meter Installations				0	0
370	Receiving Wells				0	239,453
371	Pumping Equipment				0	0
375	Reuse Transmission and Distribution System				0	0
380	Treatment and Disposal Equipment				0	124,447
381	Plant Sewers				0	155,481
382	Outfall Sewer Lines				0	7,585
389	Other Plant Miscellaneous Equipment				0	6,638
390	Office Furniture and Equipment				0	5,396
391	Transportation Equipment				0	0
392	Stores Equipment				0	0
393	Tools, Shop and Garage Equipment				0	1,134
394	Laboratory Equipment				0	0
395	Power Operated Equipment				0	16,049
396	Communication Equipment				0	0
397	Miscellaneous Equipment				0	0
398	Other Tangible Plant				0	0
Total Depreciable Wastewater Plant in Service		$ 0	$ 0	$ 0	$ 0	$ 880,043

* Specify nature of transaction.
Use ( ) to denote reversal entries.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WASTEWATER (c)
Balance first of year		$ 537,650.00
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	S-8(a)	$ 0
Contributions received from Developer or Contractor Agreements in cash or property	S-8(a)	
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 537,650

Explain all debits charged to Account 271 during the year below:

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
		$	$
Impact Fee	0		0
Impact Fee			0
Total Credits			$ 0

ACCUMULATED AMORTIZATION OF WASTEWATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WASTEWATER (b)
Balance first of year	$ 504,884
Debits during the year:	
Accruals charged to Account 272	$ 10,828
Other debits (specify) :	
Rounding	
Total debits	$ 10,828
Credits during the year (specify) :	
	$
Total credits	$ 0
Balance end of year	$ 515,712

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	WASTEWATER SALES			
	Flat Rate Revenues:			
521.1	Residential Revenues			$
521.2	Commercial Revenues			
521.3	Industrial Revenues			
521.4	Revenues From Public Authorities			
521.5	Multiple Family Dwelling Revenues			
521.6	Other Revenues			
521	Total Flat Rate Revenues	0	0	$ 0
	Measured Revenues:			
522.1	Residential Revenues	261	262	143,069
522.2	Commercial Revenues	39	40	78,062
522.3	Industrial Revenues			
522.4	Revenues From Public Authorities			
522.5	Multiple Family Dwelling Revenues			
522	Total Measured Revenues	300	302	$ 221,131
523	Revenues From Public Authorities			
524	Revenues From Other Systems			
525	Interdepartmental Revenues			
	Total Wastewater Sales	300	302	$ 221,131
	OTHER WASTEWATER REVENUES			
530	Guaranteed Revenues			$
531	Sale of Sludge			
532	Forfeited Discounts			
534	Rents From Wastewater Property			
535	Interdepartmental Rents			
536	Other Wastewater Revenues (Including Allowance for Funds Prudently Invested or AFPI)			
	Total Other Wastewater Revenues			$ 0

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	RECLAIMED WATER SALES			
	Flat Rate Reuse Revenues:			
540.1	Residential Reuse Revenues			$
540.2	Commercial Reuse Revenues			
540.3	Industrial Reuse Revenues			
540.4	Reuse Revenues From Public Authorities			
540.5	Other Revenues			
540	Total Flat Rate Reuse Revenues			$ 0
	Measured Reuse Revenues:			
541.1	Residential Reuse Revenues			
541.2	Commercial Reuse Revenues			
541.3	Industrial Reuse Revenues			
541.4	Reuse Revenues From Public Authorities			
541	Total Measured Reuse Revenues			$ 0
544	Reuse Revenues From Other Systems			
	Total Reclaimed Water Sales			$ 0
	Total Wastewater Operating Revenues			$ 221,131

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 COLLECTION EXPENSES-OPERATIONS (d)	.2 COLLECTION EXPENSES-MAINTENANCE (e)	.3 PUMPING EXPENSES - OPERATIONS (f)	.4 PUMPING EXPENSES MAINT (g)	.5 TREATMENT & DISPOSAL EXPENSES - OPERATIONS (h)	.6 TREATMENT & DISPOSAL EXPENSES - MAINTENANCE (i)
701	Salaries and Wages - Employees	$ 47,400	$ 11,850		11,850			
703	Salaries and Wages - Officers, Directors and Majority Stockholders	31,000						
704	Employee Pensions and Benefits	4,320	1,080		1,080			
710	Purchased Sewage Treatment							
711	Sludge Removal Expense	3,783						
715	Purchased Power	24,024	12,012		12,012			
716	Fuel for Power Production							
718	Chemicals	7,979	7,979					
720	Materials and Supplies							
731	Contractual Services-Engineering	700	350		350			
732	Contractual Services - Accounting							
733	Contractual Services - Legal							
734	Contractual Services - Mgt Fees	32,400						
735	Contractual Services - Testing							
736	Contractual Services - Other	9,455	4,728		4,728			
741	Rental of Building/Real Property	7,200						
742	Rental of Equipment							
750	Transportation Expenses							
756	Insurance - Vehicle							
757	Insurance - General Liability	4,560	1,140		1,140			
758	Insurance - Workman's Comp							
759	Law Suit Settlement							
760	Advertising Expense							
766	Regulatory Commission Expenses - Amortization of Rate Case Expense							
767	Regulatory Commission Exp.-Other							
770	Bad Debt Expense							
775	Miscellaneous Expenses	15,279	2,667		2,208			3730
	Total Wastewater Utility Expenses	$ 188,100	$ 41,806	$ 0	$ 33,368	$	$	$ 3,730

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)	.9 RECLAIMED WATER TREATMENT EXPENSES-OPERATIONS (l)
701	Salaries and Wages - Employees	$ 11,850		11,850
703	Salaries and Wages - Officers, Directors and Majority Stockholders			
704	Employee Pensions and Benefits	1,080		1,080
710	Purchased Sewage Treatment			
711	Sludge Removal Expense			3,783
715	Purchased Power			
716	Fuel for Power Purchased			
718	Chemicals			
720	Materials and Supplies		0	
731	Contractual Services-Engineering			
732	Contractual Services - Accounting		0	
733	Contractual Services - Legal		0	
734	Contractual Services - Mgt. Fees	29,160	3,240	
735	Contractual Services - Testing			
736	Contractual Services - Other			
741	Rental of Building/Real Property	5,760	1,440	
742	Rental of Equipment			
750	Transportation Expenses			
756	Insurance - Vehicle			
757	Insurance - General Liability	1,140		1,140
758	Insurance - Workman's Comp.			
759	Law Suit Settlement		0	
760	Advertising Expense			
766	Regulatory Commission Expenses - Amortization of Rate Case Expense			
767	Regulatory Commission Exp.-Other			
770	Bad Debt Expense			
775	Miscellaneous Expenses	4320	2356	
	Total Wastewater Utility Expenses	$ 53,310	$ 7,036	$ 17,853

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CALCULATION OF THE WASTEWATER SYSTEM METER EQUIVALENTS

WATER METER SIZE (a)	TYPE OF WATER METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential		1.0		
5/8"	Displacement	1.0	253	253
3/4"	Displacement	1.5		
1"	Displacement	2.5	17	43
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
	Total Wastewater System Meter Equivalents			368

CALCULATION OF THE WASTEWATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one wastewater equivalent residential connection (ERC).

Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:

ERC = (Total SFR gallons treated (Omit 000) / 365 days / 280 gallons per day)

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated.

Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

ERC Calculation:

17,727,189 gallons sold / 305 average SFR Customers / 365 days 159

YEAR OF REPORT
December 31, 2018

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity		81,000 Total	
Basis of Permit Capacity (1)			
Manufacturer	McNeil	Marlof	
Type (2)	Concrete	Concrete	
Hydraulic Capacity	65,000	50,000	
Average Daily Flow	30,000	30,000	
Total Gallons of Wastewater Treated	10,950,000	10,950,000	
Method of Effluent Disposal		Spray Field	

(1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

(2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2018

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present number of ERCs* now being served 218

2. Maximum number of ERCs* which can be served 275

3. Present system connection capacity (in ERCs*) using existing lines 57

4. Future connection capacity (in ERCs*) upon service area buildout 275

5. Estimated annual increase in ERCs* 1

6. Describe any plans and estimated completion dates for any enlargements or improvements of this system
NONE

7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A

8. If the utility does not engage in reuse, has a reuse feasibility study been completed? NO

If so, when?

9. Has the utility been required by the DEP or water management district to implement reuse? NO

If so, what are the utility's plans to comply with this requirement?

10. When did the company last file a capacity analysis report with the DEP? N/A

11. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? N/A
    c. When will construction begin?
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO

12. Department of Environmental Protection ID # FLA010699-001

* An ERC is determined based on the calculation on S-11.

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Water Operations
Class A & B

Company: ***Tradewinds Utilities, Inc.***
For the Year Ended December 31, ____ 2018

(a)	(b)	(c)	(d)
Accounts	**Gross Water Revenues Per Sch. W-9**	**Gross Water Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Unmetered Water Revenues (460)	$	$	$
Total Metered Sales (461.1 - 461.5)	173,478	173,478	
Total Fire Protection Revenue (462.1 - 462.2)			
Other Sales to Public Authorities (464)			
Sales to Irrigation Customers (465)			
Sales for Resale (466)			
Interdepartmental Sales (467)			
Total Other Water Revenues (469 - 474)	4,262	4,262	
Total Water Operating Revenue	177,740	177,740	$
LESS: Expense for Purchased Water from FPSC-Regulated Utility			
Net Water Operating Revenues	177,740	177,740	0

Explanations:

Instructions:
For the current year, reconcile the gross water revenues reported on Schedule W-9 with the gross water revenues reported on the company's regulatory assessment fee return. Explain any differences

reported in column (d).

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Wastewater Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ____ 2018

(a)	(b)	(c)	(d)
Accounts	**Gross Wastewater Revenues Per Sch. S-9**	**Gross Wastewater Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Total Flat-Rate Revenues (521.1 - 521.6)	$	$	$
Total Measured Revenues (522.1 - 522.5)	221,131	221,131	
Revenues from Public Authorities (523)			
Revenues from Other Systems (524)			
Interdepartmental Revenues (525)			
Total Other Wastewater Revenues (530 - 536)			
Reclaimed Water Sales (540.1 - 544)			
Total Wastewater Operating Revenue	221,131	221,131	$
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility			
Net Wastewater Operating Revenues	221,131	221,131	0

Explanations:

Instructions:
For the current year, reconcile the gross wastewater revenues reported on Schedule S-9 with the gross

wastewater revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

CLASS "A" OR "B"

WATER AND/OR WASTEWATER UTILITIES
(Gross Revenue of More Than $200,000 Each)

ANNUAL REPORT

OFFICIAL COPY
Public Service Commission
Do Not Remove From This Office

OF

WS350-19-AR

Tradewinds Utilities, Inc
PO Box 5220
Ocala, FL 34478-5220

Certificate Number(s)

Submitted To The

STATE OF FLORIDA

FLORIDA PUBLIC SERVICE COMMISSION
2020 MAR 25 AM 10:27

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED December 31, 2019

GENERAL INSTRUCTIONS

1. Prepare this report in conformity with the 1996 National Association of Regulatory Utility Commissioners Uniform System of Accounts for Water and/or Wastewater Utilities (USOA).

2. Interpret all accounting words and phrases in accordance with the USOA.

3. Complete each question fully and accurately, even if it has been answered in a previous annual report. Enter the word "None" where it truly and completely states the fact.

4. For any question, section, or page which is not applicable to the respondent, enter the words "Not Applicable". Do not omit any pages.

5. Where dates are called for, the month and day should be stated as well as the year.

6. All schedules requiring dollar entries should be rounded to the nearest dollar unless otherwise specifically indicated.

7. Complete this report by means which result in a permanent record, such as by computer or typewriter.

8. If there is not enough room on any schedule, an additional page or pages may be added; provided the format of the added schedule matches the format of the schedule with not enough room. Such a schedule should reference the appropriate schedules, state the name of the utility, and state the year of the report.

9. If it is necessary or desirable to insert additional statements for the purpose of further explanation of schedules, such statement should be made at the bottom of the page or an additional page inserted. Any additional pages should state the name of the utility, the year of the report, and reference the appropriate schedule.

10. For water and wastewater utilities with more than one rate group and/or system, water and wastewater pages should be completed for each rate group and/or system group. These pages should be grouped together and tabbed by rate group and/or system.

11. All other water and wastewater operations not regulated by the Commission and other regulated industries should be reported as "Other than Reporting Systems".

12. Financial information for multiple systems charging rates which are covered under the same tariff should be reported as one system. However, the engineering data must be reported by individual system.

13. For water and wastewater utilities with more than one system, one (1) copy of workpapers showing the consolidation of systems for the operating sections, should be filed with the annual report.

14. The report should be filled out in quadruplicate and the original and two copies returned by March 31, of the year following the date of the report. The report should be returned to:

Florida Public Service Commission
Division of Economic Regulation
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

The fourth copy should be retained by the utility.

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
EXECUTIVE SUMMARY			
Certification	E-1	Business Contracts with Officers, Directors and Affiliates	E-7
General Information	E-2	Affiliation of Officers and Directors	E-8
Directory of Personnel Who Contact the FPSC	E-3	Businesses which are a Byproduct, Coproduct or Joint Product Result of Providing Service	E-9
Company Profile	E-4	Business Transactions with Related Parties. Part I and II	E-10
Parent / Affiliate Organization Chart	E-5		
Compensation of Officers & Directors	E-6		
FINANCIAL SECTION			
Comparative Balance Sheet - Assets and Other Debits	F-1	Unamortized Debt Discount / Expense / Premium	F-13
Comparative Balance Sheet - Equity Capital and Liabilities	F-2	Extraordinary Property Losses	F-13
Comparative Operating Statement	F-3	Miscellaneous Deferred Debits	F-14
Year End Rate Base	F-4	Capital Stock	F-15
Year End Capital Structure	F-5	Bonds	F-15
Capital Structure Adjustments	F-6	Statement of Retained Earnings	F-16
Utility Plant	F-7	Advances from Associated Companies	F-17
Utility Plant Acquisition Adjustments	F-7	Other Long Term Debt	F-17
Accumulated Depreciation	F-8	Notes Payable	F-18
Accumulated Amortization	F-8	Accounts Payable to Associated Companies	F-18
Regulatory Commission Expense - Amortization of Rate Case Expense	F-9	Accrued Interest and Expense	F-19
Nonutility Property	F-9	Miscellaneous Current & Accrued Liabilities	F-20
Special Deposits	F-9	Advances for Construction	F-20
Investments and Special Funds	F-10	Other Deferred Credits	F-21
Accounts and Notes Receivable - Net	F-11	Contributions In Aid of Construction	F-22
Accounts Receivable from Associated Companies	F-12	Accumulated Amortization of CIAC	F-22
Notes Receivable from Associated Companies	F-12	Reconciliation of Reported Net Income with Taxable Income for Federal Income Taxes	F-23
Miscellaneous Current & Accrued Assets	F-12		

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
WATER OPERATION SECTION			
Water Listing of System Groups	W-1	CIAC Additions / Amortization	W-8
Year End Water Rate Base	W-2	Water Operating Revenue	W-9
Water Operating Statement	W-3	Water Utility Expense Accounts	W-10
Water Utility Plant Accounts	W-4	Pumping and Purchased Water Statistics, Source Supply	W-11
Basis for Water Depreciation Charges	W-5	Water Treatment Plant Information	W-12
Analysis of Entries in Water Depreciation Reserve	W-6	Calculation of ERC's	W-13
Contributions In Aid of Construction	W-7	Other Water System Information	W-14
WASTEWATER OPERATION SECTION			
Wastewater Listing of System Groups	S-1	Contributions In Aid of Construction	S-7
Year End Wastewater Rate Base	S-2	CIAC Additions / Amortization	S-8
Wastewater Operating Statement	S-3	Wastewater Operating Revenue	S-9
Wastewater Utility Plant Accounts	S-4	Wastewater Utility Expense Accounts	S-10
Basis for Wastewater Depreciation Charges	S-5	Calculation of ERC's	S-11
Analysis of Entries in Wastewater Depreciation Reserve	S-6	Wastewater Treatment Plant Information	S-12
		Other Wastewater System Information	S-13

EXECUTIVE SUMMARY

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

CERTIFICATION OF ANNUAL REPORT

I HEREBY CERTIFY, to the best of my knowledge and belief:

YES	NO		
X		1.	The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission.
X		2.	The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.
X		3.	There have been no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices that could have a material effect on the the financial statement of the utility.
X		4.	The annual report fairly represents the financial condition and results of operations of the respondent for the period presented and other information and statements presented in the the report as to the business affairs of the respondent are true, correct and complete for the period for which it represents.

Items Certified

1.	2.	3.	4.
X	X	X	X

Charles deMenzes

(Signature of Chief Executive Officer of the utility) *

1.	2.	3.	4.

(Signature of Chief Financial Officer of the utility) *

* Each of the four items must be certified YES or NO. Each item need not be certified by both officers. The items being certified by the officer should be indicated in the appropriate area to the left of the signature.

NOTICE: Section 837.06, Florida Statutes, provides that any person who knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his duty shall be guilty of a misdemeanor of the second degree.

ANNUAL REPORT OF

YEAR OF REPORT
December 31, 2019

Tradewinds Utilities, Inc — County: Marion

(Exact Name of Utility)

List below the exact mailing address of the utility for which normal correspondence should be sent:
PO Box 5220
Ocala, FL 34478-5220

Telephone: 352 622-4949
E Mail Address: charlie@altfo.com
WEB Site:

Sunshine State One-Call of Florida, Inc. Member Number MIR598

Name and address of person to whom correspondence concerning this report should be addressed:
Charles deMenzes
PO Box 5220
Ocala, FL 34478
Telephone: 352 622-4949

List below the address of where the utility's books and records are located:
1552 SW 7th Road
Ocala, FL 34470

Telephone: 352 622-4949

List below any groups auditing or reviewing the records and operations:

Date of original organization of the utility: February 11, 1983

Check the appropriate business entity of the utility as filed with the Internal Revenue Service

Individual	Partnership	Sub S Corporation	1120 Corporation
		X	

List below every corporation or person owning or holding directly or indirectly 5% or more of the voting securities of the utility:

	Name	Percent Ownership
1.	Charles deMenzes Revocable Trust	100%

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

DIRECTORY OF PERSONNEL WHO CONTACT THE FLORIDA PUBLIC SERVICE COMMISSION

NAME OF COMPANY REPRESENTATIVE (1)	TITLE OR POSITION (2)	ORGANIZATIONAL UNIT TITLE (3)	USUAL PURPOSE FOR CONTACT WITH FPSC
Charles deMenzes	President	Tradewinds Utilities, Inc.	All Utility Matters
Deborah Dillon	Vice President	Tradewinds Utilities, Inc.	All Utility Matters

(1) Also list appropriate legal counsel, accountants and others who may not be on general payroll.
(2) Provide individual telephone numbers if the person is not normally reached at the company.
(3) Name of company employed by if not on general payroll.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPANY PROFILE

Provide a brief narrative company profile which covers the following areas:

A. Brief company history.
B. Public services rendered.
C. Major goals and objectives.
D. Major operating divisions and functions.
E. Current and projected growth patterns.
F. Major transactions having a material effect on operations.

A. The company was organized to provide potable water service to various subdivisions in Marion County

B. The company provides wastewater treatement and distribution services to customers in its certicated area.

C. The primary goal of the Company is to continue rendering quality service to its existing customers.

D. The Company provides water treatement and distribution services, only in Marion County

E. The Company expects to continue an average growth rate of approximately .05%

F. None

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

PARENT / AFFILIATE ORGANIZATION CHART

Current as of December 31, 2019

Complete below an organizational chart that show all parents, subsidiaries and affiliates of the utility.
The chart must also show the relationship between the utility and affiliates listed on E-7, E-10(a) and E-10(b).

Tradewinds Utilities, Inc

MIRA International, Inc

Tradewinds Utilities, Inc and Mira International, Inc have common ownership

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPENSATION OF OFFICERS

For each officer, list the time spent on respondent as an officer compared to time spent on total business activities and the compensation received as an officer from the respondent.

NAME (a)	TITLE (b)	% OF TIME SPENT AS OFFICER OF THE UTILITY (c)	OFFICERS' COMPENSATION (d)
Charles deMenzes	President	60%	$ 40,000
Deborah Dillon	Vice President	60%	$ 30,000

COMPENSATION OF DIRECTORS

For each director, list the number of director meetings attended by each director and the compensation received as a director from the respondent.

NAME (a)	TITLE (b)	NUMBER OF DIRECTORS' MEETINGS ATTENDED (c)	DIRECTORS' COMPENSATION (d)
Charles deMenzes	Chairman/Pres	1	$
Deborah Dillon	Sec/Treasurer	1	20,000

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

BUSINESS CONTRACTS WITH OFFICERS, DIRECTORS AND AFFILIATES

List all contracts, agreements, or other business arrangements* entered into during the calendar year (other than compensation related to position with Respondents) between the Respondent and officer and director listed on page E-6. In addition, provide the same information with respect to professional services for each firm, partnership, or organization with which the officer or director is affiliated.

NAME OF OFFICER, DIRECTOR OR AFFILIATE (a)	IDENTIFICATION OF SERVICE OR PRODUCT (b)	AMOUNT (c)	NAME AND ADDRESS OF AFFILIATED ENTITY (d)
MIRA International, Inc	See E-10(a)		

* Business Agreement, for this schedule, shall mean any oral or written business deal which binds the concerned parties for products or services during the reporting year or future years. Although the Respondent and/or other companies will benefit from the arrangement, the officer or director is, however, acting on his behalf or for the benefit of other companies or persons.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

AFFILIATION OF OFFICERS AND DIRECTORS

For each of the officials listed on page E-6, list the principal occupation or business affiliations or connections with any other business or financial organizations, firms, or partnerships. For purposes of this part, an official will be considered to have an affiliation with any business or financial organization, firm or partnership in which he is an officer, director, trustee, partner, or a person exercising similar functions.

NAME (a)	PRINCIPAL OCCUPATION OR BUSINESS AFFILIATION (b)	AFFILIATION OR CONNECTION (c)	NAME AND ADDRESS OF AFFILIATION OR CONNECTION (d)
Charles deMenzes	Management Company	Chairman/President	MIRA International, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	CFAT, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	BFF Corp 1552 SW 7th Road, Ocala
Charles deMenzes	Francis Marion Military Academy (Charter Public Sch)	Chairman	5895 SE 83rd St Ocala Fl 34472

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

BUSINESSES WHICH ARE A BY-PRODUCT, COPRODUCT OR JOINT-PRODUCT RESULT OF PROVIDING WATER OR WASTEWATER SERVICE

Complete the following for any business which is conducted as a byproduct, coproduct, or joint product as a result of providing water and / or wastewater service. This would include any business which requires the use of utility land and facilities. Examples of these types of businesses would be orange groves, nurseries, tree farms, fertilizer manufacturing, etc. This would not include any business for which the assets are properly included in Account 121 - Nonutility Property along with the associated revenue and expenses segregated out as nonutility also.

	ASSETS		**REVENUES**		**EXPENSES**	
BUSINESS OR SERVICE CONDUCTED (a)	**BOOK COST OF ASSETS (b)**	**ACCOUNT NUMBER (c)**	**REVENUES GENERATED (d)**	**ACCOUNT NUMBER (e)**	**EXPENSES INCURRED (f)**	**ACCOUNT NUMBER (g)**
None	$		$		$	

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

BUSINESS TRANSACTIONS WITH RELATED PARTIES

List each contract, agreement, or other business transaction exceeding a cumulative amount of $500 in any on year, entered into between the Respondent and a business or financial organization, firm, or partnership named on pages E-2 and E-6, identifying the parties, amounts, dates and product, and asset, or service involved.

Part I. Specific Instructions: Services and Products Received or Provided

1. Enter in this part all transactions involving services and products received or provided.

2. Below are some types of transactions to include:
   - -management, legal and accounting services
   - -computer services
   - -engineering & construction services
   - -repairing and servicing of equipment
   - -material and supplies furnished
   - -leasing of structures, land, and equipment
   - -rental transactions
   - -sale, purchase or transfer of various products

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION SERVICE AND/OR NAME OF PRODUCT (b)	CONTRACT OR AGREEMENT EFFECTIVE DATES (c)	ANNUAL CHARGES (P)urchased (S)old (d)	ANNUAL CHARGES AMOUNT (e)
MIRA International, Inc	Billing,Computer Service	On-going	P	$
	Admin Services			33,750
	Payroll, Meter Reading			152,106
	Insurance, Office Space			17,250
	Materials, Supplies			17,860
	Repair, Service Equip			10,124
	Customer Relations			
	Customer Service			
	Annual PSC Reporting			8,000
	Hospitalization Benefits			25,000

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

BUSINESS TRANSACTIONS WITH RELATED PARTIES (Cont'd)

Part II. Specific Instructions: Sale, Purchase and Transfer of Assets

1. Enter in this part all transactions relating to the purchase, sale, or transfer of assets.

2 Below are examples of some types of transactions to include:
- -purchase, sale or transfer of equipment
- -purchase, sale or transfer of land and structures
- -purchase, sale or transfer of securities
- -noncash transfers of assets
- -noncash dividends other than stock dividends
- -write-off of bad debts or loans

3. The columnar instructions follow:

(a) Enter name of related party or company.
(b) Describe briefly the type of assets purchased, sold or transferred.
(c) Enter the total received or paid. Indicate purchase with "P" and sale with "S".
(d) Enter the net book value for each item reported.
(e) Enter the net profit or loss for each item reported. (column (c) - column (d))
(f) Enter the fair market value for each item reported. In space below or in a supplemental schedule, describe the basis used to calculate fair market value.

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION OF ITEMS (b)	SALE OR PURCHASE PRICE (c)	NET BOOK VALUE (d)	GAIN OR LOSS (e)	FAIR MARKET VALUE (f)
None		$	$	$	$

FINANCIAL SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	UTILITY PLANT			
101-106	Utility Plant	F-7	$ 2,323,955.01	$ 2,341,397.82
108-110	Less: Accumulated Depreciation and Amortization	F-8	1,495,371.00	1,647,097.65
	Net Plant		$ 828,584.01	$ 694,300.17
114-115	Utility Plant Acquisition adjustment (Net)	F-7	-	-
116 *	Other Utility Plant Adjustments			
	Total Net Utility Plant		$ 828,584.01	$ 694,300.17
	OTHER PROPERTY AND INVESTMENTS			
121	Nonutility Property	F-9	$ -	$ -
122	Less: Accumulated Depreciation and Amortization		-	-
	Net Nonutility Property		$ -	$ -
123	Investment in Associated Companies	F-10		
124	Utility Investments	F-10		
125	Other Investments	F-10		
126-127	Special Funds	F-10		
	Total Other Property & Investments		$ -	$ -
	CURRENT AND ACCRUED ASSETS			
131	Cash		$ 5,346.63	$ 21,129.69
132	Special Deposits	F-9	-	-
133	Other Special Deposits	F-9	-	-
134	Working Funds			
135	Temporary Cash Investments			
141-144	Accounts and Notes Receivable, Less Accumulated		(264.83)	188.99
	Provision for Uncollectible Accounts	F-11	42,365.51	36,635.36
145	Accounts Receivable from Associated Companies	F-12		
146	Notes Receivable from Associated Companies	F-12		
161	Stores Expense			
162	Prepayments			
171	Accrued Interest and Dividends Receivable			
172 *	Rents Receivable			
173 *	Accrued Utility Revenues			
174	Miscellaneous Current and Accrued Assets	F-12		
	Total Current and Accrued Assets		$ 47,447.31	$ 57,954.04

* Not Applicable for Class B Utilities

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED DEBITS			
181	Unamortized Debt Discount & Expense	F-13	$ 1,424	$ 372
182	Extraordinary Property Losses	F-13		
183	Preliminary Survey & Investigation Charges		-	-
184	Clearing Accounts		-	-
185 *	Temporary Facilities		-	-
186	Miscellaneous Deferred Debits	F-14	-	-
187 *	Research & Development Expenditures		-	-
190	Accumulated Deferred Income Taxes		-	-
	Total Deferred Debits		$ 1,424	$ 372
	TOTAL ASSETS AND OTHER DEBITS		$ 877,455	$ 752,626

* Not Applicable for Class B Utilities

NOTES TO THE BALANCE SHEET

The space below is provided for important notes regarding the balance sheet.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	EQUITY CAPITAL			
201	Common Stock Issued	F-15	$ 200	$ 200
204	Preferred Stock Issued	F-15	-	-
202,205 *	Capital Stock Subscribed			
207 *	Premium on Capital Stock			
209 *	Reduction in Par or Stated Value of Capital Stock			
210 *	Gain on Resale or Cancellation of Reacquired Capital Stock			
211	Other Paid - In Capital		880,287	476,051
212	Discount On Capital Stock			
213	Capital Stock Expense			
214-215	Retained Earnings	F-16	(283,494)	(258,101)
216	Reacquired Capital Stock			
218	Proprietary Capital (Proprietorship and Partnership Only)			
	Total Equity Capital		$ 596,993	$ 218,150
	LONG TERM DEBT			
221	Bonds	F-15		
222 *	Reacquired Bonds			
223	Advances from Associated Companies	F-17	-	-
224	Other Long Term Debt	F-17	212,891	471,086
	Total Long Term Debt		$ 212,891	$ 471,086
	CURRENT AND ACCRUED LIABILITIES			
231	Accounts Payable		20,369	1,075
232	Notes Payable	F-18		-
233	Accounts Payable to Associated Companies	F-18	11,084	
234	Notes Payable to Associated Companies	F-18	-	-
235	Customer Deposits		26,151	23,603
236	Accrued Taxes	W/S-3	13,125	12,996
237	Accrued Interest	F-19		
238	Accrued Dividends			
239	Matured Long Term Debt			
240	Matured Interest			
241	Miscellaneous Current & Accrued Liabilities	F-20	581	581
	Total Current & Accrued Liabilities		$ 71,310	$ 38,255

* Not Applicable for Class B Utilities

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED CREDITS			
251	Unamortized Premium On Debt	F-13	$ -	$ -
252	Advances For Construction	F-20	-	-
253	Other Deferred Credits	F-21	-	-
255	Accumulated Deferred Investment Tax Credits			
	Total Deferred Credits		$ -	$ -
	OPERATING RESERVES			
261	Property Insurance Reserve		$ 1,639	$
262	Injuries & Damages Reserve			
263	Pensions and Benefits Reserve			
265	Miscellaneous Operating Reserves			
	Total Operating Reserves		$ 1,639	$
	CONTRIBUTIONS IN AID OF CONSTRUCTION			
271	Contributions in Aid of Construction	F-22	$ 856,773	$ 884,470
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	(791,468)	(859,335)
	Total Net C.I.A.C.		$ 65,305	$ 25,135
	ACCUMULATED DEFERRED INCOME TAXES			
281	Accumulated Deferred Income Taxes - Accelerated Depreciation		$	$
282	Accumulated Deferred Income Taxes - Liberalized Depreciation			
283	Accumulated Deferred Income Taxes - Other			
	Total Accumulated Deferred Income Tax		$ -	$ -
	TOTAL EQUITY CAPITAL AND LIABILITIES		$ 948,138	$ 752,626

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPARATIVE OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR * (e)
	UTILITY OPERATING INCOME			
400	Operating Revenues	F-3(b)	$ 390,330	$ 402,146
469, 530	Less: Guaranteed Revenue and AFPI	F-3(b)	-	-
	Net Operating Revenues		$ 390,330	$ 402,146
401	Operating Expenses	F-3(b)	$ 308,684	$ 325,842
403	Depreciation Expense:	F-3(b)	$ 48,814	$ 54,227
	Less: Amortization of CIAC	F-22	20,075	13,938
	Net Depreciation Expense		$ 28,739	$ 40,289
406	Amortization of Utility Plant Acquisition Adjustment	F-3(b)	-	-
407	Amortization Expense (Other than CIAC)	F-3(b)	-	-
408	Taxes Other Than Income	W/S-3	23,995	30,048
409	Current Income Taxes	W/S-3	-	-
410.10	Deferred Federal Income Taxes	W/S-3	-	-
410.11	Deferred State Income Taxes	W/S-3	-	-
411.10	Provision for Deferred Income Taxes - Credit	W/S-3	-	-
412.10	Investment Tax Credits Deferred to Future Periods	W/S-3	-	-
412.11	Investment Tax Credits Restored to Operating Income	W/S-3	-	-
	Utility Operating Expenses		$ 361,418	$ 396,178
	Net Utility Operating Income		$ 28,912	$ 5,968
469, 530	Add Back: Guaranteed Revenue and AFPI	F-3(b)	-	-
413	Income From Utility Plant Leased to Others		-	-
414	Gains (losses) From Disposition of Utility Property		-	-
420	Allowance for Funds Used During Construction		-	-
	Total Utility Operating Income [Enter here and on Page F-3(c)]		$ 28,912	$ 5,968

* For each account, Column e should agree with Columns f, g and h on F-3(b)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	WATER SCHEDULE W-3 * (f)	WASTEWATER SCHEDULE S-3 * (g)	OTHER THAN REPORTING SYSTEMS (h)
	UTILITY OPERATING INCOME			
400	Operating Revenues	$ 182,534	$ 219,612	$
469, 530	Less: Guaranteed Revenue and AFPI	-	$ -	
	Net Operating Revenues	$ 182,534	$ 219,612	$ -
401	Operating Expenses	$ 121,881	$ 203,961	$
403	Depreciation Expense:	35,070	$ 19,157	
	Less: Amortization of CIAC	2,562	$ 11,376	
	Net Depreciation Expense	$ 32,508	$ 7,781	$ -
406	Amortization of Utility Plant Acquisition Adjustment	-	$ -	
407	Amortization Expense (Other than CIAC)	-	$ -	
408	Taxes Other Than Income	14,010	$ 16,038	
409	Current Income Taxes	-	$ -	
410.10	Deferred Federal Income Taxes	-	$ -	
410.11	Deferred State Income Taxes	-	$ -	
411.10	Provision for Deferred Income Taxes - Credit	-	$ -	
412.10	Investment Tax Credits Deferred to Future Periods	-	$ -	
412.11	Investment Tax Credits Restored to Operating Income	-	$ -	
	Utility Operating Expenses	$ 168,398	$ 227,780	$ -
	Net Utility Operating Income	$ 14,136	$ (8,168)	$ -
469, 530	Add Back: Guaranteed Revenue and AFPI	-	$ -	
413	Income From Utility Plant Leased to Others	-	$ -	
414	Gains (losses) From Disposition of Utility Property	-	$ -	
420	Allowance for Funds Used During Construction	-	$ -	
	Total Utility Operating Income [Enter here and on Page F-3(c)]	$ 14,136	$ (8,168)	$ -

* Total of Schedules W-3 / S-3 for all rate groups.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
Total Utility Operating Income [from page F-3(a)]			$ 28,912	$ 5,968
	OTHER INCOME AND DEDUCTIONS			
415	Revenues-Merchandising, Jobbing, and Contract Deductions		$	$
416	Costs & Expenses of Merchandising Jobbing, and Contract Work			
419	Interest and Dividend Income			
421	Nonutility Income			
426	Miscellaneous Nonutility Expenses			
	Total Other Income and Deductions		$ -	$ -
	TAXES APPLICABLE TO OTHER INCOME			
408.20	Taxes Other Than Income		$	$
409.20	Income Taxes			
410.20	Provision for Deferred Income Taxes			
411.20	Provision for Deferred Income Taxes - Credit			
412.20	Investment Tax Credits - Net			
412.30	Investment Tax Credits Restored to Operating Income			
	Total Taxes Applicable To Other Income		$ -	$ -
	INTEREST EXPENSE			
427	Interest Expense	F-19	$	$ -
428	Amortization of Debt Discount & Expense	F-13	(674)	(674)
429	Amortization of Premium on Debt	F-13		
	Total Interest Expense		$ (674)	$ (674)
	EXTRAORDINARY ITEMS			
433	Extraordinary Income		$	$
434	Extraordinary Deductions			
409.30	Income Taxes, Extraordinary Items			
	Total Extraordinary Items		$ -	$ -
	NET INCOME		$ 28,238	$ 5,294

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SCHEDULE OF YEAR END RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	WATER UTILITY (d)	WASTEWATER UTILITY (e)
101	Utility Plant In Service	F-7	$ 1,260,350	$ 1,081,048
	Less:			
	Nonused and Useful Plant (1)		-	
108	Accumulated Depreciation	F-8	747,898	899,200
110	Accumulated Amortization	F-8	-	-
271	Contributions in Aid of Construction	F-22	332,247	527,088
252	Advances for Construction	F-20	-	
	Subtotal		$ 180,205	$ (345,240)
	Add:			
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	332,247	527,088
	Subtotal		$ 512,452	$ 181,848
	Plus or Minus:			
114	Acquisition Adjustments (2)	F-7	-	-
115	Accumulated Amortization of Acquisition Adjustments (2)	F-7	-	-
	Working Capital Allowance (3)		15,235	25,495
	Other (Specify):			
105	Construction in Process		-	-
	RATE BASE		$ 527,687	$ 207,343
	NET UTILITY OPERATING INCOME		$ 14,136	$ (8,168)
	ACHIEVED RATE OF RETURN (Operating Income / Rate Base)		2.68%	-3.94%

NOTES :

(1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SCHEDULE OF CURRENT COST OF CAPITAL
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING (1)

CLASS OF CAPITAL (a)	DOLLAR AMOUNT (2) (b)	PERCENTAGE OF CAPITAL (c)	ACTUAL COST RATES (3) (d)	WEIGHTED COST (c x d) (e)
Common Equity	$	-		
Preferred Stock		-		
Long Term Debt		-		
Customer Deposits		-		
Tax Credits - Zero Cost		-		
Tax Credits - Weighted Cost		-		
Deferred Income Taxes		-		
Other (Explain)		-		
		-		
Total	$			

(1) If the utility's capital structure is not used, explain which capital structure is used.

(2) Should equal amounts on Schedule F-6, Column (g).

(3) Mid-point of the last authorized Return On Equity or current leverage formula if none has been established.

Must be calculated using the same methodology used in the last rate proceeding using current annual report year end amounts and cost rates.

APPROVED RETURN ON EQUITY

Current Commission Return on Equity:	11.16%
Commission order approving Return on Equity:	100127-WS

APPROVED AFUDC RATE

COMPLETION ONLY REQUIRED IF AFUDC WAS CHARGED DURING YEAR

Current Commission Approved AFUDC rate:	%
Commission order approving AFUDC rate:	

If any utility capitalized any charge in lieu of AFUDC (such as interest only), state the basis of the charge, an explanation as to why AFUDC was not charged and the percentage capitalized.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SCHEDULE OF CAPITAL STRUCTURE ADJUSTMENTS
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING

CLASS OF CAPITAL (a)	PER BOOK BALANCE (b)	NON-UTILITY ADJUSTMENTS (c)	NON-JURISDICTIONAL ADJUSTMENTS (d)	OTHER (1) ADJUSTMENTS SPECIFIC (e)	OTHER (1) ADJUSTMENTS PRO RATA (f)	CAPITAL STRUCTURE (g)
Common Equity	$ 200	$	$	$	$	$
Preferred Stock						
Long Term Debt						
Customer Deposits						
Tax Credits - Zero Cost						
Tax Credits - Weighted Cost						
Deferred Inc. Taxes						
Other (Explain)						
Total	$ 200	$	$	$	$	$

(1) Explain below all adjustments made in Columns (e) and (f):

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

UTILITY PLANT
ACCOUNTS 101 - 106

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
	Plant Accounts:				
101	Utility Plant In Service	$ 1,260,350	$ 1,081,048	$	$ 2,341,398
102	Utility Plant Leased to Other				-
103	Property Held for Future Use				-
104	Utility Plant Purchased or Sold				-
105	Construction Work in Progress	-			-
106	Completed Construction Not Classified				-
	Total Utility Plant	$ 1,260,350	$ 1,081,048	$ -	$ 2,341,398

UTILITY PLANT ACQUISITION ADJUSTMENTS
ACCOUNTS 114 AND 115

Report each acquisition adjustment and related accumulated amortization separately.

For any acquisition adjustments approved by the Commission, include the Order Number.

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
114	Acquisition Adjustment	$			$ -
					-
					-
Total Plant Acquisition Adjustments		$ -	$ -	$ -	$ -
115	Accumulated Amortization	$			$ -
					-
					-
					-
					-
Total Accumulated Amortization		$ -	$ -	$ -	$ -
Net Acquisition Adjustments		$ -	$ -	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

ACCUMULATED DEPRECIATION (ACCT. 108) AND AMORTIZATION (ACCT. 110)

DESCRIPTION (a)	WATER (b)	WASTEWATER (c)	OTHER THAN REPORTING SYSTEMS (d)	TOTAL (e)
ACCUMULATED DEPRECIATION Account 108				
Balance first of year	$ 712,828	$ 880,043	$ -	$ 1,592,871
Credit during year:				
Accruals charged to:				
Account 108.1 (1)	$ 35,070	$ 19,157	$	$ 54,227
Account 108.2 (2)				-
Account 108.3 (2)				-
Other Accounts (specify):				-
				-
Salvage				-
Other Credits (Specify):				-
				-
Total Credits	$ 35,070	$ 19,157	$ -	$ 54,227
Debits during year:				
Book cost of plant retired	-	-		-
Cost of Removal				-
Other Debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ 747,898	$ 899,200	$ -	$ 1,647,098
ACCUMULATED AMORTIZATION Account 110				
Balance first of year	$	$	$	$ -
Credit during year:				
ccruals charged to:				
	$	$	$	$ -
Account 110.2 (3)				-
Other Accounts (specify):				-
				-
Total credits	$ -	$ -	$ -	$ -
Debits during year:				
Book cost of plant retired				-
Other debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ -	$ -	$ -	$ -

(1) Account 108 for Class B utilities.

(2) Not applicable for Class B utilities.

(3) Account 110 for Class B utilities.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

REGULATORY COMMISSION EXPENSE
AMORTIZATION OF RATE CASE EXPENSE (ACCOUNTS 666 AND 766)

DESCRIPTION OF CASE (DOCKET NO.) (a)	EXPENSE INCURRED DURING YEAR (b)	CHARGED OFF DURING YEAR	
		ACCT. (d)	AMOUNT (e)
None	$		$
Total	$		$

NONUTILITY PROPERTY (ACCOUNT 121)

Report separately each item of property with a book cost of $25,000 or more included in Account 121.
Other Items may be grouped by classes of property.

DESCRIPTION (a)	BEGINNING YEAR (b)	ADDITIONS (c)	REDUCTIONS (d)	ENDING YEAR BALANCE (e)
None	$	$	$	$
Total Nonutility Property	$ -	$ -	$ -	$ -

SPECIAL DEPOSITS (ACCOUNTS 132 AND 133)

Report hereunder all special deposits carried in Accounts 132 and 133.

DESCRIPTION OF SPECIAL DEPOSITS (a)	YEAR END BOOK COST (b)
SPECIAL DEPOSITS (Account 132):	
Total Special Deposits	$ -
OTHER SPECIAL DEPOSITS (Account 133):	
Total Other Special Deposits	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

INVESTMENTS AND SPECIAL FUNDS
ACCOUNTS 123 - 127

Report hereunder all investments and special funds carried in Accounts 123 through 127.

DESCRIPTION OF SECURITY OR SPECIAL FUND **(a)**	**FACE OR PAR VALUE** **(b)**	**YEAR END BOOK COST** **(c)**
INVESTMENT IN ASSOCIATED COMPANIES (Account 123):	$	$
None		
Total Investment in Associated Companies		$
UTILITY INVESTMENTS (Account 124):	$	$
None		
Total Utility Investment		$
OTHER INVESTMENTS (Account 125):	$	$
None		
Total Other Investment		$
SPECIAL FUNDS (Class A Utilities: Accounts 126 and 127; Class B Utilities: Account 127):		$
None		
Total Special Funds		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

ACCOUNTS AND NOTES RECEIVABLE - NET
ACCOUNTS 141 - 144

Report hereunder all accounts and notes receivable included in Accounts 141, 142, and 144. Amounts included in Amounts included in Accounts 142 and 144 should be listed individually.

DESCRIPTION (a)		TOTAL (b)
CUSTOMER ACCOUNTS RECEIVABLE (Account 141):		
Water & Wastewater	$ 36,958	
Other		
Total Customer Accounts Receivable		$ 36,958
OTHER ACCOUNTS RECEIVABLE (Account 142):		
Employee accounts receivable	$	
Total Other Accounts Receivable		$ -
NOTES RECEIVABLE (Account 144):		
	$	
None		
Total Notes Receivable		$ -
Total Accounts and Notes Receivable		$ 36,958
ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (Account 143)		
Balance first of year	$	
Add: Provision for uncollectibles for current year	$	
Collection of accounts previously written off		
Utility Accounts		
Others		
Total Additions	$ -	
Deduct accounts written off during year:		
Utility Accounts		
Others		
Total accounts written off	$ -	
Balance end of year		$ -
TOTAL ACCOUNTS AND NOTES RECEIVABLE - NET		$ 36,958

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 145

Report each account receivable from associated companies separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$

NOTES RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 146

Report each note receivable from associated companies separately.

DESCRIPTION (a)	INTEREST RATE (b)	TOTAL (c)
	%	$
None	%	
	%	
	%	
	%	
Total		$

MISCELLANEOUS CURRENT AND ACCRUED ASSETS
ACCOUNT 174

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
	$
None	
Total Miscellaneous Current and Accrued Liabilities	$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT
ACCOUNTS 181 AND 251

Report the net discount and expense or premium separately for each security issue.

DESCRIPTION (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
UNAMORTIZED DEBT DISCOUNT AND EXPENSE (Account 181):	$	$
Unamortized Debt Discount	674	372
Total Unamortized Debt Discount and Expense	$ 674	$ 372
UNAMORTIZED PREMIUM ON DEBT (Account 251):	$	$
None		
Total Unamortized Premium on Debt	$	$ -

EXTRAORDINARY PROPERTY LOSSES
ACCOUNT 182

Report each item separately.

DESCRIPTION (a)	TOTAL (b)
	$
None	
Total Extraordinary Property Losses	$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

MISCELLANEOUS DEFERRED DEBITS
ACCOUNT 186

DESCRIPTION - Provide itemized listing **(a)**	**AMOUNT WRITTEN OFF DURING YEAR** **(b)**	**YEAR END BALANCE** **(c)**
DEFERRED RATE CASE EXPENSE (Class A Utilities: Account 186.1)		
	$	$
Total Deferred Rate Case Expense	$ -	$ -
OTHER DEFERRED DEBITS (Class A Utilities: Account 186.2):		
	$	
Total Other Deferred Debits	$ -	$ -
REGULATORY ASSETS (Class A Utilities: Account. 186.3):		
	$	$
Total Regulatory Assets	$ -	$ -
TOTAL MISCELLANEOUS DEFERRED DEBITS	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

CAPITAL STOCK
ACCOUNTS 201 AND 204*

DESCRIPTION (a)	RATE (b)	TOTAL (c)
COMMON STOCK		
Par or stated value per share	%	$ 1
Shares authorized		200
Shares issued and outstanding		200
Total par value of stock issued	%	$ 200
Dividends declared per share for year	%	$ -
PREFERRED STOCK		
Par or stated value per share	None %	$
Shares authorized		
Shares issued and outstanding		
Total par value of stock issued	%	$
Dividends declared per share for year	%	$

* Account 204 not applicable for Class B utilities.

BONDS
ACCOUNT 221

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

STATEMENT OF RETAINED EARNINGS

1. Dividends should be shown for each class and series of capital stock. Show amounts as dividends per share.
2. Show separately the state and federal income tax effect of items shown in Account No. 439.

ACCT. NO. (a)	DESCRIPTION (b)	AMOUNTS (c)
215	Unappropriated Retained Earnings:	
	Balance Beginning of Year	$ (262,501)
	Changes to Account:	
439	Adjustments to Retained Earnings (requires Commission approval prior to use):	
	Credits:	$
	Total Credits:	$ -
	Debits:	$
	Total Debits:	$ -
435	Balance Transferred from Income	$ 4,400
436	Appropriations of Retained Earnings:	
	Total Appropriations of Retained Earnings	$ -
	Dividends Declared:	
437	Preferred Stock Dividends Declared	
438	Common Stock Dividends Declared Shareholder Distributions	
	Total Dividends Declared	$ -
215	Year end Balance	$ (258,101)
214	Appropriated Retained Earnings (state balance and purpose of each appropriated amount at year end):	
214	Total Appropriated Retained Earnings	$ -
Total Retained Earnings		$ (258,101)
Notes to Statement of Retained Earnings:		

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

ADVANCES FROM ASSOCIATED COMPANIES
ACCOUNT 223

Report each advance separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$ -

OTHER LONG-TERM DEBT
ACCOUNT 224

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
	%		
State of Florida Revolving Fund Loan	2.99 %	Fixed	19,999
	%		
	%		
Regions Bank LC	6.50 %	Var	54,087
	%		
	%		
Stockholder Loan	0.00 %		397,000
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$ 471,086

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

NOTES PAYABLE
ACCOUNTS 232 AND 234

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
NOTES PAYABLE (Account 232):			
	%		$
	%		
	%		
	%		
	%		
	%		
Total Account 232			$ -
NOTES PAYABLE TO ASSOC. COMPANIES (Account 234):			
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 234			$ -

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES
ACCOUNT 233

Report each account payable separately.

DESCRIPTION (a)	TOTAL (b)
	$
Mira International	
Total	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

ACCRUED INTEREST AND EXPENSE
ACCOUNTS 237 AND 427

DESCRIPTION OF DEBIT (a)	BALANCE BEGINNING OF YEAR (b)	INTEREST ACCRUED DURING YEAR		INTEREST PAID DURING YEAR (e)	BALANCE END OF YEAR (f)
		ACCT. DEBIT (c)	AMOUNT (d)		
ACCOUNT NO. 237.1 - Accrued Interest on Long Term Debt					
	$ -	427.4	$ 750	$ 750	$
Total Account 237.1	$ -		$	$	$ -
ACCOUNT NO. 237.2 - Accrued Interest on Other Liabilities					
	$	427	$		$
Total Account 237.2	$ -		$ -	$ -	$ -
Total Account 237 (1)	$ -		$ -	$ -	$ -
INTEREST EXPENSED:					
Total accrual Account 237		237	$ -		
Less Capitalized Interest Portion of AFUDC:					
Net Interest Expensed to Account No. 427 (2)			$ -		

(1) Must agree to F-2 (a), Beginning and Ending Balance of Accrued Interest.

(2) Must agree to F-3 (c), Current Year Interest Expense

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES
ACCOUNT 241

DESCRIPTION - Provide itemized listing **(a)**	**BALANCE END OF YEAR** **(b)**
Refund Checks Returned	$ 581
Total Miscellaneous Current and Accrued Liabilities	$ 581

ADVANCES FOR CONSTRUCTION
ACCOUNT 252

NAME OF PAYOR * **(a)**	**BALANCE BEGINNING OF YEAR** **(b)**	**DEBITS**		**CREDITS** **(e)**	**BALANCE END OF YEAR** **(f)**
		ACCT. DEBIT **(c)**	**AMOUNT** **(d)**		
	$	252	$		$ -
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
Total	$ -		$ -	$ -	$ -

* Report advances separately by reporting group, designating water or wastewater in column (a).

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

OTHER DEFERRED CREDITS
ACCOUNT 253

DESCRIPTION - Provide itemized listing **(a)**	**AMOUNT WRITTEN OFF DURING YEAR** **(b)**	**YEAR END BALANCE** **(c)**
REGULATORY LIABILITIES (Class A Utilities: Account 253.1):		
None	$	$
Total Regulatory Liabilities	$ -	$ -
OTHER DEFERRED LIABILITIES (Class A Utilities: Account 253.2):		
None	$	$
Total Other Deferred Liabilities	$ -	$ -
TOTAL OTHER DEFERRED CREDITS	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	WATER (W-7) (b)	WASTEWATER (S-7) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 329,685	$ 527,088	$	$ 856,773
Add credits during year:	$ 2,562	-	-	2,562
Less debit charged during the year	$ -	$ -	$ -	$ -
Total Contribution In Aid of Construction	$ 332,247	$ 527,088	$ -	$ 859,335

ACCUMULATED AMORTIZATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 272

DESCRIPTION (a)	WATER (W-8(a)) (b)	WASTEWATER (S-8(a)) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 329,685	$ 515,712	$	$ 845,397
Debits during the year:	$ 2,562	11,376		$ 13,938
Credits during the year	$ -	$ -	$	$ -
Total Accumulated Amortization of Contributions In Aid of Construction	$ 332,247	$ 527,088	$ -	$ 859,335

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES (UTILITY OPERATIONS)

1. The reconciliation should include the same detail as furnished on Schedule M-1 of the federal tax return for the year. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount and show the computations of all tax accruals.

2. If the utility is a member of a group which files a consolidated federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating intercompany amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignments or sharing of the consolidated tax among the group members.

DESCRIPTION (a)	REF. NO. (b)	AMOUNT (c)
Net income for the year	F-3(c)	$ -
Reconciling items for the year:		
Taxable income not reported on books:		
		-
		-
Deductions recorded on books not deducted for return:		
		-
		-
Income recorded on books not included in return:		
		-
		-
		-
		-
Deduction on return not charged against book income:		
		-
		-
		-
		-
Federal tax net income		$ -

Computation of tax :

This Corporation is an "S" Corporation, therfore this schedule is not applicable

WATER OPERATION SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

WATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The water financial schedules (W-2 through W-10) should be filed for the group in total.
The water engineering schedules (W-11 through W-14) must be filed for each system in the group.
All of the following water pages (W-2 through W-14) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-10-AR	1

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

SCHEDULE OF YEAR END WATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WATER UTILITY (d)
101	Utility Plant In Service	W-4(b)	$ 1,260,350
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	W-6(b)	747,898
110	Accumulated Amortization		
271	Contributions in Aid of Construction	W-7	332,247
252	Advances for Construction		-
	Subtotal		$ 180,205
272	Add: Accumulated Amortization of Contributions in Aid of Construction	W-8(a)	$ 332,247
	Subtotal		$ 512,452
	Plus or Minus:		
114	Acquisition Adjustments (2)		-
115	Accumulated Amortization of Acquisition Adjustments (2)		-
	Working Capital Allowance (3)		15,235
	Other (Specify):		
105	Construction in Process		-
	WATER RATE BASE		$ 527,687
	WATER OPERATING INCOME	W-3	$ 14,136
	ACHIEVED RATE OF RETURN (Water Operating Income / Water Rate Base)		2.68%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	CURRENT YEAR (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	W-9	$ 182,534
469	Less: Guaranteed Revenue and AFPI	W-9	-
	Net Operating Revenues		$ 182,534
401	Operating Expenses	W-10(a)	$ 121,881
403	Depreciation Expense	W-6(a)	35,070
	Less: Amortization of CIAC	W-8(a)	2,562
	Net Depreciation Expense		$ 32,508
406	Amortization of Utility Plant Acquisition Adjustment		
407	Amortization Expense (Other than CIAC)		-
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		8,214
408.11	Property Taxes		1,476
408.12	Payroll Taxes		4,320
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 14,010
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 168,398
	Utility Operating Income		$ 14,136
	Add Back:		
469	Guaranteed Revenue (and AFPI)	W-9	$ -
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ 14,136

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
301	1993 Rate Case Expense	$ 482	$		$ 482
302	Franchises	925			925
303	Land and Land Rights	182,500			182,500
304	Structures and Improvements	122,472			122,472
305	Collecting and Impounding Reservoirs	0			
306	Lake, River and Other Intakes	0			
307	Wells and Springs	0			
309	Supply Mains	2,469			2,469
310	Power Generation Equipment	19,733			19,733
311	Pumping Equipment	76,015			76,015
320	Water Treatment Equipment	6,568			6,568
330	Distribution Reservoirs and Standpipes	292,464			292,464
331	Transmission and Distribution Mains	282,945			282,945
333	Services	69,852			69,852
334	Meters and Meter Installations	180,286	6,700		186,986
335	Hydrants	8,000			8,000
336	Backflow Prevention Devices	0			
339	Other Plant Miscellaneous Equipment	1,462			1,462
340	Office Furniture and Equipment	5,740			5,740
341	Transportation Equipment	800			800
342	Stores Equipment	0			
343	Tools, Shop and Garage Equipment	937			937
344	Laboratory Equipment	0			
345	Power Operated Equipment	0			
346	Communication Equipment	0			
347	Miscellaneous Equipment	0			
349	Abandonment of Regional Plant	0			
	TOTAL WATER PLANT	$ 1,253,650	$ 6,700	$	$ 1,260,350

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 INTANGIBLE PLANT (d)	.2 SOURCE OF SUPPLY AND PUMPING PLANT (e)	.3 WATER TREATMENT PLANT (f)	.4 TRANSMISSION AND DISTRIBUTION PLANT (g)	.5 GENERAL PLANT (h)
301	1993 Rate Case Expense	$ 482	$ 482	$	$	$	$
302	Franchises	925	925				
303	Land and Land Rights	182,500		182,500			
304	Structures and Improvements	122,472		122,472			
305	Collecting and Impounding Reservoirs						
306	Lake, River and Other Intakes						
307	Wells and Springs						
309	Supply Mains	2,469		2,469			
310	Power Generation Equipment	19,733		19,733			
311	Pumping Equipment	76,015		76,015			
320	Water Treatment Equipment	6,568			6,568		
330	Distribution Reservoirs and Standpipes	292,464				292,464	
331	Transmission and Distribution Mains	282,945				282,945	
333	Services	69,852				69,852	
334	Meters and Meter Installations	186,986				186,986	
335	Hydrants	8,000				8,000	
336	Backflow Prevention Devices						
339	Other Plant Miscellaneous Equipment	1,462	1,462				
340	Office Furniture and Equipment	5,740					5,740
341	Transportation Equipment	800					800
342	Stores Equipment						
343	Tools, Shop and Garage Equipment	937					937
344	Laboratory Equipment						
345	Power Operated Equipment						
346	Communication Equipment						
347	Miscellaneous Equipment						
349	Abandonment of Regional Plant						
	TOTAL WATER PLANT	$ 1,260,350	$ 2,869	$ 403,189	$ 6,568	$ 840,246	$ 7,477

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

BASIS FOR WATER DEPRECIATION CHARGES

ACCT. NO.	ACCOUNT NAME	AVERAGE SERVICE LIFE IN YEARS	AVERAGE NET SALVAGE IN PERCENT	DEPRECIATION RATE APPLIED IN PERCENT (100% - d) / c
(a)	(b)	(c)	(d)	(e)
301	1993 Rate Case Expense	4		25.00%
302	Franchises	29		
304	Structures and Improvements	27		3.70%
305	Collecting and Impounding Reservoirs			
306	Lake, River and Other Intakes			
307	Wells and Springs	15		6.67%
309	Supply Mains	32		3.13%
310	Power Generation Equipment	15		6.67%
311	Pumping Equipment	15		6.67%
320	Water Treatment Equipment	7		14.29%
330	Distribution Reservoirs and Standpipes	30		3.33%
331	Transmission and Distribution Mains	40		2.50%
333	Services	35		2.86%
334	Meters and Meter Installations	17		5.88%
335	Hydrants	20		5.00%
336	Backflow Prevention Devices			
339	Other Plant Miscellaneous Equipment	6		16.67%
340	Office Furniture and Equipment	6		16.67%
341	Transportation Equipment	6		16.67%
342	Stores Equipment			
343	Tools, Shop and Garage Equipment	15		6.67%
344	Laboratory Equipment			
345	Power Operated Equipment			
346	Communication Equipment			
347	Miscellaneous Equipment			
349	Abandonment of Regional Plant			
Water Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
301	1993 Rate Case Expense	$ 482	$		$ 0
302	Franchises	925			0
304	Structures and Improvements	92,534	4,531		4,531
305	Collecting and Impounding Reservoirs				0
306	Lake, River and Other Intakes	0			0
307	Wells and Springs	0			0
309	Supply Mains	2,061	77		77
310	Power Generation Equipment	19,733			0
311	Pumping Equipment	76,013			0
320	Water Treatment Equipment	6,568			0
330	Distribution Reservoirs and Standpipes	179,801	9,749		9,749
331	Transmission and Distribution Mains	188,472	7,074		7,074
333	Services	48,041	1,996		1,996
334	Meters and Meter Installations	84,255	10,999		10,999
335	Hydrants	6,060	400		400
336	Backflow Prevention Devices	0			0
339	Other Plant Miscellaneous Equipment	408	244		244
340	Office Furniture and Equipment	5,739			0
341	Transportation Equipment	800			0
342	Stores Equipment	0			0
343	Tools, Shop and Garage Equipment	936			0
344	Laboratory Equipment	0			0
345	Power Operated Equipment	0			0
346	Communication Equipment	0			0
347	Miscellaneous Equipment	0			0
349	Abandonment of Regional Plant				
TOTAL WATER ACCUMULATED DEPRECIATION		$ 712,828	$ 35,070	$ 0	$ 35,070

* Specify nature of transaction
Use ( ) to denote reversal entries.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION (CONT'D)

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
301	1993 Rate Case Expense	$			$ 0	$ 482
302	Franchises				0	925
304	Structures and Improvements				0	97,065
305	Collecting and Impounding Reservoirs				0	0
306	Lake, River and Other Intakes				0	0
307	Wells and Springs				0	0
309	Supply Mains				0	2,138
310	Power Generation Equipment				0	19,733
311	Pumping Equipment				0	76,013
320	Water Treatment Equipment				0	6,568
330	Distribution Reservoirs and Standpipes				0	189,550
331	Transmission and Distribution Mains				0	195,546
333	Services				0	50,037
334	Meters and Meter Installations				0	95,254
335	Hydrants				0	6,460
336	Backflow Prevention Devices				0	0
339	Other Plant Miscellaneous Equipment				0	652
340	Office Furniture and Equipment				0	5,739
341	Transportation Equipment				0	800
342	Stores Equipment				0	0
343	Tools, Shop and Garage Equipment				0	936
344	Laboratory Equipment				0	0
345	Power Operated Equipment				0	0
346	Communication Equipment				0	0
347	Miscellaneous Equipment				0	0
349	Abandonment of Regional Plant					
TOTAL WATER ACCUMULATED DEPRECIATION		$ 0	$ 0	$ 0	$ 0	$ 747,898

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WATER (c)
Balance first of year		$ 329,685
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	W-8(a)	$ 2,562
Contributions received from Developer or Contractor Agreements in cash or property	W-8(a)	0
Total Credits		$ 2562
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 332,247

If any prepaid CIAC has been collected, provide a supporting schedule showing how the amount is determined.

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2019

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
			$ -
			-
			-
			-
			-
			-
			-
Total Credits			$

ACCUMULATED AMORTIZATION OF WATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WATER (b)
Balance first of year	$ 329,685
Debits during the year:	
Accruals charged to Account 272	$ 2,562
Other debits (specify) :	
Total debits	$ 2,562
Credits during the year (specify) :	
	$ 0
Total credits	$ -
Balance end of year	$ 332,247

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS (d)	AMOUNT (e)
	Water Sales:			
460	Unmetered Water Revenue			$
	Metered Water Revenue:			
461.1	Sales to Residential Customers	449	479	136,508
461.2	Sales to Commercial Customers	55	42	41,729
461.3	Sales to Industrial Customers			
461.4	Sales to Public Authorities			
461.5	Sales Multiple Family Dwellings			
	Total Metered Sales	504	521	$ 178,237
	Fire Protection Revenue:			
462.1	Public Fire Protection			
462.2	Private Fire Protection			
	Total Fire Protection Revenue	-	-	$ -
464	Other Sales To Public Authorities			
465	Sales To Irrigation Customers			
466	Sales For Resale			
467	Interdepartmental Sales			
	Total Water Sales	504	521	$ 178,237
	Other Water Revenues:			
469	Guaranteed Revenues (Including Allowance for Funds Prudently Invested or AFPI)			$
470	Forfeited Discounts			
471	Miscellaneous Service Revenues			
472	Rents From Water Property			
473	Interdepartmental Rents			
474	Other Water Revenues			4,297
	Total Other Water Revenues			$ 4,297
	Total Water Operating Revenues			$ 182,534

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY EXPENSE ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 SOURCE OF SUPPLY AND EXPENSES - OPERATIONS (d)	.2 SOURCE OF SUPPLY AND EXPENSES - MAINTENANCE (e)
601	Salaries and Wages - Employees	$ 25,100	$ 2,510	2,510
603	Salaries and Wages - Officers, Directors and Majority Stockholders	16,000 -		
604	Employee Pensions and Benefits	4,320	432	432
610	Purchased Water	-		
615	Purchased Power	10,221	10,221	
616	Fuel for Power Production	-		
618	Chemicals	417	417	
620	Materials and Supplies	-		
631	Contractual Services-Engineering	1,600		
632	Contractual Services - Accounting	1,093		
633	Contractual Services - Legal	-		
634	Contractual Services - Mgt. Fees	22,400		
635	Contractual Services - Testing	175		
636	Contractual Services - Other	5,845	5,845	
641	Rental of Building/Real Property	7,200		
642	Rental of Equipment	-		
650	Transportation Expenses	-		
656	Insurance - Vehicle	-		
657	Insurance - General Liability	4,560	4,560	
658	Insurance - Workman's Comp.	-		
659	Insurance - Other	-		
660	Advertising Expense	-		
666	Regulatory Commission Expenses - Amortization of Rate Case Expense	-		
667	Regulatory Commission Exp.-Other			
668	Water Resource Conservation Exp.	-		
670	Bad Debt Expense	624		
675	Miscellaneous Expenses	$ 22,326		3,803
	Total Water Utility Expenses	$ 121,881	$ 23,985	$ 6,745

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER EXPENSE ACCOUNT MATRIX

.3 WATER TREATMENT EXPENSES - OPERATIONS (f)	.4 WATER TREATMENT EXPENSES - MAINTENANCE (g)	.5 TRANSMISSION & DISTRIBUTION EXPENSES - OPERATIONS (h)	.6 TRANSMISSION & DISTRIBUTION EXPENSES - MAINTENANCE (i)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)
2,510	2,510	2,510	2,510	7,530	2,510
432	432	432	432	1,296	432
				874	219
				17,920	4,480
	175				
				5,760	1,440
				624	
2,208	2,963	8,955	77		4,320
$ 5,150	$ 6,080	$ 11,897	$ 3,019	$ 34,004	$ 13,401

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

PUMPING AND PURCHASED WATER STATISTICS

MONTH (a)	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [(b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	2,355	-36	2,391	2,391
February	0	2,424	217	2,207	2,207
March	0	2,567	377	2,190	2,190
April	0	2,342	79	2,263	2,263
May	0	1,970	-243	2,213	2,213
June	0	2,420	86	2,334	2,334
July	0	3,129	828	2,301	2,301
August	0	3,638	1,283	2,355	2,355
September	0	2,566	147	2,419	2,419
October	0	2,428	228	2,200	2,200
November	0	2,499	322	2,177	2,177
December	0	3,092	1,147	1,945	1,945
Total for Year	-	31,430	4,435	26,995	26,995

If water is purchased for resale, indicate the following:

Vendor

Point of delivery

If water is sold to other water utilities for redistribution, list names of such utilities below:

SOURCE OF SUPPLY

List for each source of supply:	CAPACITY OF WELL	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Backup Well	5,000,000 *	0	Well
Backup Well	5,000,000 *	0	Well
Main Well	47,450,000 *	130,000	Well

* Annual

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Permitted Capacity of Plant (GPD): 108,500

Location of measurement of capacity (i.e. Wellhead, Storage Tank): Flow Meter

Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.): Liquid Chlorinated

LIME TREATMENT

Unit rating (i.e., GPM, pounds per gallon): N/A Manufacturer:

FILTRATION

Type and size of area:

Pressure (in square feet): N/A Manufacturer:

Gravity (in GPM/square feet): Manufacturer:

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CALCULATION OF THE WATER SYSTEM METER EQUIVALENTS

METER SIZE (a)	TYPE OF METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential				
5/8"	Displacement	1.0	464	464
3/4"	Displacement	1.5		
1"	Displacement	2.5	32	80
1 1/4"	Displacement, Compound or Turbine	3.8		
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
		Total Water System Meter Equivalents		616

CALCULATION OF THE WATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC).
Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:
ERC = (Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day)

ERC Calculation:

21,170,000 gallons sold / 470 average SFR Customers / 365 days 218

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present ERC's * the system can efficiently serve. 600
2. Maximum number of ERCs * which can be served. 600
3. Present system connection capacity (in ERCs *) using existing lines. 470
4. Future connection capacity (in ERCs *) upon service area buildout. 130
5. Estimated annual increase in ERCs *. 1
6. Is the utility required to have fire flow capacity? Yes
   If so, how much capacity is required? 1500 GPM
7. Attach a description of the fire fighting facilities. Fire Truck Tank Refill, Fire Hydrants, and Commercial Sprinkler System
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. N/A
9. When did the company last file a capacity analysis report with the DEP? Dec-14
10. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? _____
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO
11. Department of Environmental Protection ID # 3424620
12. Water Management District Consumptive Use Permit # 2995
    a. Is the system in compliance with the requirements of the CUP? Yes
    b. If not, what are the utility's plans to gain compliance? _____

* An ERC is determined based on the calculation on the bottom of Page W-13.

WASTEWATER OPERATION SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

WASTEWATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The wastewater financial schedules (S-2 through S-10) should be filed for the group in total.
The wastewater engineering schedules (S-11 through S-13) must be filed for each system in the group.
All of the following wastewater pages (S-2 through S-13) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-12-AR	

YEAR OF REPORT
December 31, 2019

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

SCHEDULE OF YEAR END WASTEWATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
101	Utility Plant In Service	S-4(a)	$ 1,081,048
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	S-6(b)	899,200
110	Accumulated Amortization		
271	Contributions in Aid of Construction	S-7	527,088
252	Advances for Construction	F-20	0
	Subtotal		$ -345,240
272	Add: Accumulated Amortization of Contributions in Aid of Construction	S-8(a)	$ 527,088
	Subtotal		$ 181,848
	Plus or Minus:		
114	Acquisition Adjustments (2)		
115	Accumulated Amortization of Acquisition Adjustments (2)		
	Working Capital Allowance (3)		25,495
	Other (Specify):		
	WASTEWATER RATE BASE		$ 207,343
	WASTEWATER OPERATING INCOME	S-3	$ -8,168
	ACHIEVED RATE OF RETURN (Wastewater Operating Income / Wastewater Rate Base)		-3.94%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	S-9	$ 219,612
530	Less: Guaranteed Revenue (and AFPI)	S-9	0
	Net Operating Revenues		$ 219,612
401	Operating Expenses	S-10(a)	$ 203,961
403	Depreciation Expense	S-6(a)	19,157
	Less: Amortization of CIAC	S-8(a)	11,376
	Net Depreciation Expense		$ 7,781
406	Amortization of Utility Plant Acquisition Adjustment	F-7	
407	Amortization Expense (Other than CIAC)	F-8	0
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		10,065
408.11	Property Taxes		1,293
408.12	Payroll Taxes		4,680
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 16,038
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 227,780
	Utility Operating Income		$ (8,168)
	Add Back:		
530	Guaranteed Revenue (and AFPI)	W-9	$
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ (8,168)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
351	Organization	$ 947	$	$	$ 947
352	Franchises	3,806			3,806
353	Land and Land Rights	93,388			93,388
354	Structures and Improvements	170,068			170,068
355	Power Generation Equipment	0			0
360	Collection Sewers - Force	33,459			33,459
361	Collection Sewers - Gravity	141,888			141,888
362	Special Collecting Structures	2,531			2,531
363	Services to Customers	64,155			64,155
364	Flow Measuring Devices	1,711			1,711
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	239,454	5,885		245,339
371	Pumping Equipment	0			0
374	Reuse Distribution Reservoirs	0			0
375	Reuse Transmission and	0			0
	Distribution System	0			0
380	Treatment and Disposal Equipment	124,447	3,969		128,416
381	Plant Sewers	155,482	889		156,371
382	Outfall Sewer Lines	8,821			8,821
389	Other Plant Miscellaneous Equipment	7,567			7,567
390	Office Furniture and Equipment	5,397			5,397
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,135			1,135
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			16,049
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Wastewater Plant	$ 1,070,305	$ 10,743	$ 0	$ 1,081,048

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (f)	.1 INTANGIBLE PLANT (g)	.2 COLLECTION PLANT (h)	.3 SYSTEM PUMPING PLANT (i)	.4 TREATMENT AND DISPOSAL (j)	.5 GENERAL PLANT (h)
351	Organization	$ 947	$ 947	$	$	$	$
352	Franchises	3,806	3,806				
353	Land and Land Rights	93,388		93,388			
354	Structures and Improvements	170,068		170,068			
355	Power Generation Equipment	0		0			
360	Collection Sewers - Force	33,459		33,459			
361	Collection Sewers - Gravity	141,888		141,888			
362	Special Collecting Structures	2,531		2,531			
363	Services to Customers	64,155		64,155			
364	Flow Measuring Devices	1,711		1,711			
365	Flow Measuring Installations	0		0			
366	Reuse Services	0		0			
367	Reuse Meters and Meter Installations	0		0			
370	Receiving Wells	245,339			245,339		
371	Pumping Equipment	0			0		
374	Reuse Distribution Reservoirs	0			0		
375	Reuse Transmission and	0			0		
	Distribution System	0			0		
380	Treatment and Disposal Equipment	128,416				128,416	
381	Plant Sewers	156,371				156,371	
382	Outfall Sewer Lines	8,821				8,821	
389	Other Plant Miscellaneous Equipment	7,567		7,567			
390	Office Furniture and Equipment	5,397					5,397
391	Transportation Equipment	0					0
392	Stores Equipment	0					0
393	Tools, Shop and Garage Equipment	1,135					1,135
394	Laboratory Equipment	0					0
395	Power Operated Equipment	16,049		16,049			
396	Communication Equipment	0					0
397	Miscellaneous Equipment	0					0
398	Other Tangible Plant	0					0
	Total Wastewater Plant	$ 1,081,048	$ 4,753	$ 530,816	$ 245,339	$ 293,608	$ 6,532

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

BASIS FOR WASTEWATER DEPRECIATION CHARGES

ACCT. NO. (a)	ACCOUNT NAME (b)	AVERAGE SERVICE LIFE IN YEARS (c)	AVERAGE NET SALVAGE IN PERCENT (d)	DEPRECIATION RATE APPLIED IN PERCENT (100% - D) / C (e)
351	Organizational	29		3.45%
352	Franchises	3		33.33%
354	Structures and Improvements	27		3.70%
360	Collection Sewers - Force	27		3.70%
361	Collection Sewers - Gravity	40		2.50%
362	Special Collecting Structures	37		2.70%
363	Services to Customers	35		2.86%
364	Flow Measuring Devices	17		5.88%
365	Flow Measuring Installations			
366	Reuse Services			
367	Reuse Meters and Meter Installations			
370	Receiving Wells	18		5.56%
371	Pumping Equipment			
375	Reuse Transmission and Distribution System			
380	Treatment and Disposal Equipment	15		6.67%
382	Used Plant #3	15		6.67%
389	Other Plant Miscellaneous Equipment	35		2.86%
390	Office Furniture and Equipment	6		16.67%
391	Transportation Equipment			
392	Stores Equipment			
393	Tools, Shop and Garage Equipment	15		6.67%
394	Laboratory Equipment			
395	Tractor & Mower	10		10.00%
396	Communication Equipment			
397	Miscellaneous Equipment			
398	Other Tangible Plant			
Wastewater Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
351	Organizational	$ 822	$ 23	$	$ 23
352	Franchises	3,805			0
354	Structures and Improvements	126,139	5,668		5,668
355	Power Generation Equipment				0
360	Collection Sewers - Force	33,370	769		769
361	Collection Sewers - Gravity	102,360	3,153		3,153
362	Special Collecting Structures	2,532			0
363	Services to Customers	53,122	1,688		1,688
364	Flow Measuring Devices	1,710			0
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	239,453	5,172		5,172
371	Pumping Equipment	0			0
375	Reuse Transmission and Distribution System	0			0
380	Treatment and Disposal Equipment	124,447			0
381	Plant Sewers	155,481	1,640		1,640
382	Outfall Sewer Lines	7,585	588		588
389	Other Plant Miscellaneous Equipment	6,638	420		420
390	Office Furniture and Equipment	5,396			0
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,134	36		36
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			0
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Depreciable Wastewater Plant in Service	$ 880,043	$ 19,157	$ 0	$ 19,157

* Specify nature of transaction.
Use ( ) to denote reversal entries.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
354	Structures and Improvements	$	$	$	$ 0	$ 845
					0	3,805
354	Structures and Improvements	$	$	$	0	131,807
355	Power Generation Equipment				0	0
360	Collection Sewers - Force				0	34,139
361	Collection Sewers - Gravity				0	105,513
362	Special Collecting Structures				0	2,532
363	Services to Customers				0	54,810
364	Flow Measuring Devices				0	1,710
365	Flow Measuring Installations				0	0
366	Reuse Services				0	0
367	Reuse Meters and Meter Installations				0	0
370	Receiving Wells				0	244,625
371	Pumping Equipment				0	0
375	Reuse Transmission and Distribution System				0	0
380	Treatment and Disposal Equipment				0	124,447
381	Plant Sewers				0	157,121
382	Outfall Sewer Lines				0	8,173
389	Other Plant Miscellaneous Equipment				0	7,058
390	Office Furniture and Equipment				0	5,396
391	Transportation Equipment				0	0
392	Stores Equipment				0	0
393	Tools, Shop and Garage Equipment				0	1,170
394	Laboratory Equipment				0	0
395	Power Operated Equipment				0	16,049
396	Communication Equipment				0	0
397	Miscellaneous Equipment				0	0
398	Other Tangible Plant				0	0
Total Depreciable Wastewater Plant in Service		$ 0	$ 0	$ 0	$ 0	$ 899,200

* Specify nature of transaction.
Use ( ) to denote reversal entries.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WASTEWATER (c)
Balance first of year		$ 527,088.00
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	S-8(a)	$ 0
Contributions received from Developer or Contractor Agreements in cash or property	S-8(a)	
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 527,088

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2019

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
		$	$
Impact Fee	0		0
Impact Fee			0
Total Credits			$ 0

ACCUMULATED AMORTIZATION OF WASTEWATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WASTEWATER (b)
Balance first of year	$ 515,712
Debits during the year:	
Accruals charged to Account 272	$ 11,376
Other debits (specify) :	
Rounding	
Total debits	$ 11,376
Credits during the year (specify) :	
	$
Total credits	$ 0
Balance end of year	$ 527,088

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	WASTEWATER SALES			
	Flat Rate Revenues:			
521.1	Residential Revenues			$
521.2	Commercial Revenues			
521.3	Industrial Revenues			
521.4	Revenues From Public Authorities			
521.5	Multiple Family Dwelling Revenues			
521.6	Other Revenues			
521	Total Flat Rate Revenues	0	0	$ 0
	Measured Revenues:			
522.1	Residential Revenues	261	262	150,907
522.2	Commercial Revenues	39	40	68,705
522.3	Industrial Revenues			
522.4	Revenues From Public Authorities			
522.5	Multiple Family Dwelling Revenues			
522	Total Measured Revenues	300	302	$ 219,612
523	Revenues From Public Authorities			
524	Revenues From Other Systems			
525	Interdepartmental Revenues			
	Total Wastewater Sales	300	302	$ 219,612
	OTHER WASTEWATER REVENUES			
530	Guaranteed Revenues			$
531	Sale of Sludge			
532	Forfeited Discounts			
534	Rents From Wastewater Property			
535	Interdepartmental Rents			
536	Other Wastewater Revenues (Including Allowance for Funds Prudently Invested or AFPI)			
	Total Other Wastewater Revenues			$ 0

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	RECLAIMED WATER SALES			
	Flat Rate Reuse Revenues:			
540.1	Residential Reuse Revenues			$
540.2	Commercial Reuse Revenues			
540.3	Industrial Reuse Revenues			
540.4	Reuse Revenues From Public Authorities			
540.5	Other Revenues			
540	Total Flat Rate Reuse Revenues			$ 0
	Measured Reuse Revenues:			
541.1	Residential Reuse Revenues			
541.2	Commercial Reuse Revenues			
541.3	Industrial Reuse Revenues			
541.4	Reuse Revenues From Public Authorities			
541	Total Measured Reuse Revenues			$ 0
544	Reuse Revenues From Other Systems			
	Total Reclaimed Water Sales			$ 0
	Total Wastewater Operating Revenues			$ 219,612

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 COLLECTION EXPENSES-OPERATIONS (d)	.2 COLLECTION EXPENSES-MAINTENANCE (e)	.3 PUMPING EXPENSES - OPERATIONS (f)	.4 PUMPING EXPENSES MAINT (g)	.5 TREATMENT & DISPOSAL EXPENSES - OPERATIONS (h)	.6 TREATMENT & DISPOSAL EXPENSES - MAINTENANCE (i)
701	Salaries and Wages - Employees	$ 45,100	$ 11,275		11,275			
703	Salaries and Wages - Officers, Directors and Majority Stockholders	36,000						
704	Employee Pensions and Benefits	4,320	1,080		1,080			
710	Purchased Sewage Treatment							
711	Sludge Removal Expense	3,530						
715	Purchased Power	21,347	10,674		10,674			
716	Fuel for Power Production							
718	Chemicals	6,616	6,616					
720	Materials and Supplies							
731	Contractual Services-Engineering	1,413	707		707			
732	Contractual Services - Accounting							
733	Contractual Services - Legal							
734	Contractual Services - Mgt. Fees	47,400						
735	Contractual Services - Testing	710						
736	Contractual Services - Other	500	250		250			
741	Rental of Building/Real Property	7,200						
742	Rental of Equipment							
750	Transportation Expenses							
756	Insurance - Vehicle							
757	Insurance - General Liability	4,560	1,140		1,140			
758	Insurance - Workman's Comp.							
759	Law Suit Settlement							
760	Advertising Expense							
766	Regulatory Commission Expenses - Amortization of Rate Case Expense							
767	Regulatory Commission Exp.-Other							
770	Bad Debt Expense	624						
775	Miscellaneous Expenses	24,641	2,208	150	2,983			14980
	Total Wastewater Utility Expenses	$ 203,961	$ 33,949	$ 150	$	$	$	$ 14,980

S-10(a) - REVISED
GROUP _____

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)	.9 RECLAIMED WATER TREATMENT EXPENSES-OPERATIONS (l)
701	Salaries and Wages - Employees	$ 11,275		11,275
703	Salaries and Wages - Officers, Directors and Majority Stockholders			
704	Employee Pensions and Benefits	1,080		1,080
710	Purchased Sewage Treatment			
711	Sludge Removal Expense			3,530
715	Purchased Power			
716	Fuel for Power Purchased			
718	Chemicals			
720	Materials and Supplies		0	
731	Contractual Services-Engineering			
732	Contractual Services - Accounting		0	
733	Contractual Services - Legal		0	
734	Contractual Services - Mgt. Fees	42,660	4,740	
735	Contractual Services - Testing			
736	Contractual Services - Other			
741	Rental of Building/Real Property	5,760	1,440	
742	Rental of Equipment			
750	Transportation Expenses			
756	Insurance - Vehicle			
757	Insurance - General Liability	1,140		1,140
758	Insurance - Workman's Comp.			
759	Law Suit Settlement		0	
760	Advertising Expense			
766	Regulatory Commission Expenses - Amortization of Rate Case Expense			
767	Regulatory Commission Exp.-Other			
770	Bad Debt Expense	624		
775	Miscellaneous Expenses	4320		
	Total Wastewater Utility Expenses	$ 66,859	$ 6,180	$ 17,025

S-10(b) - REVISED
GROUP _____

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CALCULATION OF THE WASTEWATER SYSTEM METER EQUIVALENTS

WATER METER SIZE (a)	TYPE OF WATER METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential		1.0		
5/8"	Displacement	1.0	253	253
3/4"	Displacement	1.5		
1"	Displacement	2.5	17	43
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
	Total Wastewater System Meter Equivalents			368

CALCULATION OF THE WASTEWATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one wastewater equivalent residential connection (ERC).

Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:

ERC = (Total SFR gallons treated (Omit 000) / 365 days / 280 gallons per day)

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated.

Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

ERC Calculation:

17,727,189 gallons sold / 305 average SFR Customers / 365 days 159

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity		81,000 Total	
Basis of Permit Capacity (1)			
Manufacturer	McNeil	Marlof	
Type (2)	Concrete	Concrete	
Hydraulic Capacity	65,000	50,000	
Average Daily Flow	30,000	30,000	
Total Gallons of Wastewater Treated	10,950,000	10,950,000	
Method of Effluent Disposal		Spray Field	

(1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

(2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2019

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present number of ERCs* now being served 218

2. Maximum number of ERCs* which can be served 275

3. Present system connection capacity (in ERCs*) using existing lines 57

4. Future connection capacity (in ERCs*) upon service area buildout 275

5. Estimated annual increase in ERCs* 1

6. Describe any plans and estimated completion dates for any enlargements or improvements of this system
NONE

7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A

8. If the utility does not engage in reuse, has a reuse feasibility study been completed? NO

If so, when? _____

9. Has the utility been required by the DEP or water management district to implement reuse? NO

If so, what are the utility's plans to comply with this requirement? _____

10. When did the company last file a capacity analysis report with the DEP? N/A

11. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? N/A
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO

12. Department of Environmental Protection ID # FLA010699-001

* An ERC is determined based on the calculation on S-11.

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Water Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ____ 2019

(a)	(b)	(c)	(d)
Accounts	**Gross Water Revenues Per Sch. W-9**	**Gross Water Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Unmetered Water Revenues (460)	$ _____	$ _____	$ _____
Total Metered Sales (461.1 - 461.5)	178,237	178,237	_____
Total Fire Protection Revenue (462.1 - 462.2)	_____	_____	_____
Other Sales to Public Authorities (464)	_____	_____	_____
Sales to Irrigation Customers (465)	_____	_____	_____
Sales for Resale (466)	_____	_____	_____
Interdepartmental Sales (467)	_____	_____	_____
Total Other Water Revenues (469 - 474)	4,297	4,921	_____
Total Water Operating Revenue	182,534	183,158	$
LESS: Expense for Purchased Water from FPSC-Regulated Utility	_____	_____	_____
Net Water Operating Revenues	182,534	183,158	0

Explanations:

Instructions:
For the current year, reconcile the gross water revenues reported on Schedule W-9 with the gross water revenues reported on the company's regulatory assessment fee return. Explain any differences

reported in column (d).

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Wastewater Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ____ 2018

(a)	(b)	(c)	(d)
Accounts	**Gross Wastewater Revenues Per Sch. S-9**	**Gross Wastewater Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Total Flat-Rate Revenues (521.1 - 521.6)	$ _____	$ _____	$ _____
Total Measured Revenues (522.1 - 522.5)	219,612	219,612	_____
Revenues from Public Authorities (523)	_____	_____	_____
Revenues from Other Systems (524)	_____	_____	_____
Interdepartmental Revenues (525)	_____	_____	_____
Total Other Wastewater Revenues (530 - 536)	_____	_____	_____
Reclaimed Water Sales (540.1 - 544)	_____	_____	_____
Total Wastewater Operating Revenue	219,612	219,612	$
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility	_____	_____	_____
Net Wastewater Operating Revenues	219,612	219,612	0

Explanations:

Instructions:
For the current year, reconcile the gross wastewater revenues reported on Schedule S-9 with the gross

CLASS "A" OR "B"

WATER AND/OR WASTEWATER UTILITIES
(Gross Revenue of More Than $200,000 Each)

ANNUAL REPORT

OF

OFFICIAL COPY
Public Service Commission
Do Not Remove From This Office

WS350-20-AR
Charles de Menzes
Tradewinds Utilities, Inc.
P. O. Box 5220
Ocala, FL 34478-5220

Submitted To The

STATE OF FLORIDA

FILED - 03-31-21

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED December 31, 2020

CLASS A / B ANNUAL REPORT

NAME OF UTILITY:	Tradewinds Utilities, Inc
YEAR OF REPORT:	December 31, 2020

GENERAL INSTRUCTIONS

1. Prepare this report in conformity with the 1996 National Association of Regulatory Utility Commissioners Uniform System of Accounts for Water and/or Wastewater Utilities (USOA).

2. Interpret all accounting words and phrases in accordance with the USOA.

3. Complete each question fully and accurately, even if it has been answered in a previous annual report. Enter the word "None" where it truly and completely states the fact.

4. For any question, section, or page which is not applicable to the respondent, enter the words "Not Applicable". Do not omit any pages.

5. Where dates are called for, the month and day should be stated as well as the year.

6. All schedules requiring dollar entries should be rounded to the nearest dollar unless otherwise specifically indicated.

7. Complete this report by means which result in a permanent record, such as by computer or typewriter.

8. If there is not enough room on any schedule, an additional page or pages may be added; provided the format of the added schedule matches the format of the schedule with not enough room. Such a schedule should reference the appropriate schedules, state the name of the utility, and state the year of the report.

9. If it is necessary or desirable to insert additional statements for the purpose of further explanation of schedules, such statement should be made at the bottom of the page or an additional page inserted. Any additional pages should state the name of the utility, the year of the report, and reference the appropriate schedule.

10. For water and wastewater utilities with more than one rate group and/or system, water and wastewater pages should be completed for each rate group and/or system group. These pages should be grouped together and tabbed by rate group and/or system.

11. All other water and wastewater operations not regulated by the Commission and other regulated industries should be reported as "Other than Reporting Systems".

12. Financial information for multiple systems charging rates which are covered under the same tariff should be reported as one system. However, the engineering data must be reported by individual system.

13. For water and wastewater utilities with more than one system, one (1) copy of workpapers showing the consolidation of systems for the operating sections, should be filed with the annual report.

14. The report should be filled out in quadruplicate and the original and two copies returned by March 31, of the year following the date of the report. The report should be returned to:

Florida Public Service Commission
Division of Economic Regulation
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

The fourth copy should be retained by the utility.

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
EXECUTIVE SUMMARY			
Certification	E-1	Business Contracts with Officers, Directors and Affiliates	E-7
General Information	E-2	Affiliation of Officers and Directors	E-8
Directory of Personnel Who Contact the FPSC	E-3	Businesses which are a Byproduct, Coproduct or Joint Product Result of Providing Service	E-9
Company Profile	E-4	Business Transactions with Related Parties. Part I and II	E-10
Parent / Affiliate Organization Chart	E-5		
Compensation of Officers & Directors	E-6		
FINANCIAL SECTION			
Comparative Balance Sheet - Assets and Other Debits	F-1	Unamortized Debt Discount / Expense / Premium	F-13
Comparative Balance Sheet - Equity Capital and Liabilities	F-2	Extraordinary Property Losses	F-13
Comparative Operating Statement	F-3	Miscellaneous Deferred Debits	F-14
Year End Rate Base	F-4	Capital Stock	F-15
Year End Capital Structure	F-5	Bonds	F-15
Capital Structure Adjustments	F-6	Statement of Retained Earnings	F-16
Utility Plant	F-7	Advances from Associated Companies	F-17
Utility Plant Acquisition Adjustments	F-7	Other Long Term Debt	F-17
Accumulated Depreciation	F-8	Notes Payable	F-18
Accumulated Amortization	F-8	Accounts Payable to Associated Companies	F-18
Regulatory Commission Expense - Amortization of Rate Case Expense	F-9	Accrued Interest and Expense	F-19
Nonutility Property	F-9	Miscellaneous Current & Accrued Liabilities	F-20
Special Deposits	F-9	Advances for Construction	F-20
Investments and Special Funds	F-10	Other Deferred Credits	F-21
Accounts and Notes Receivable - Net	F-11	Contributions In Aid of Construction	F-22
Accounts Receivable from Associated Companies	F-12	Accumulated Amortization of CIAC	F-22
Notes Receivable from Associated Companies	F-12	Reconciliation of Reported Net Income with Taxable Income for Federal Income Taxes	F-23
Miscellaneous Current & Accrued Assets	F-12		

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
WATER OPERATION SECTION			
Water Listing of System Groups	W-1	CIAC Additions / Amortization	W-8
Year End Water Rate Base	W-2	Water Operating Revenue	W-9
Water Operating Statement	W-3	Water Utility Expense Accounts	W-10
Water Utility Plant Accounts	W-4	Pumping and Purchased Water Statistics, Source Supply	W-11
Basis for Water Depreciation Charges	W-5	Water Treatment Plant Information	W-12
Analysis of Entries in Water Depreciation Reserve	W-6	Calculation of ERC's	W-13
Contributions In Aid of Construction	W-7	Other Water System Information	W-14
WASTEWATER OPERATION SECTION			
Wastewater Listing of System Groups	S-1	Contributions In Aid of Construction	S-7
Year End Wastewater Rate Base	S-2	CIAC Additions / Amortization	S-8
Wastewater Operating Statement	S-3	Wastewater Operating Revenue	S-9
Wastewater Utility Plant Accounts	S-4	Wastewater Utility Expense Accounts	S-10
Basis for Wastewater Depreciation Charges	S-5	Calculation of ERC's	S-11
Analysis of Entries in Wastewater Depreciation Reserve	S-6	Wastewater Treatment Plant Information	S-12
		Other Wastewater System Information	S-13

EXECUTIVE SUMMARY

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2020

CERTIFICATION OF ANNUAL REPORT

I HEREBY CERTIFY, to the best of my knowledge and belief:

YES	NO		
X		1.	The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission.
X		2.	The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.
X		3.	There have been no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices that could have a material effect on the the financial statement of the utility.
X		4.	The annual report fairly represents the financial condition and results of operations of the respondent for the period presented and other information and statements presented in the the report as to the business affairs of the respondent are true, correct and complete for the period for which it represents.

Items Certified

1.	2.	3.	4.
X	X	X	X

Charles de Menezes

(Signature of Chief Executive Officer of the utility) *

1.	2.	3.	4.

(Signature of Chief Financial Officer of the utility) *

* Each of the four items must be certified YES or NO. Each item need not be certified by both officers. The items being certified by the officer should be indicated in the appropriate area to the left of the signature.

NOTICE: Section 837.06, Florida Statutes, provides that any person who knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his duty shall be guilty of a misdemeanor of the second degree.

ANNUAL REPORT OF

YEAR OF REPORT
December 31, 2020

Tradewinds Utilities, Inc — County: Marion

(Exact Name of Utility)

List below the exact mailing address of the utility for which normal correspondence should be sent:
PO Box 5220
Ocala, FL 34478-5220

Telephone: 352 622-4949
E Mail Address: charlie@altfo.com
WEB Site:

Sunshine State One-Call of Florida, Inc. Member Number MIR598

Name and address of person to whom correspondence concerning this report should be addressed:
Charles deMenzes
PO Box 5220
Ocala, FL 34478
Telephone: 352 622-4949

List below the address of where the utility's books and records are located:
1552 SW 7th Road
Ocala, FL 34470

Telephone: 352 622-4949

List below any groups auditing or reviewing the records and operations:

Date of original organization of the utility: February 11, 1983

Check the appropriate business entity of the utility as filed with the Internal Revenue Service

Individual	Partnership	Sub S Corporation	1120 Corporation
		X	

List below every corporation or person owning or holding directly or indirectly 5% or more of the voting securities of the utility:

	Name	Percent Ownership
1.	Charles deMenzes Revocable Trust	100%

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

DIRECTORY OF PERSONNEL WHO CONTACT THE FLORIDA PUBLIC SERVICE COMMISSION

NAME OF COMPANY REPRESENTATIVE (1)	TITLE OR POSITION (2)	ORGANIZATIONAL UNIT TITLE (3)	USUAL PURPOSE FOR CONTACT WITH FPSC
Charles deMenzes	President	Tradewinds Utilities, Inc.	All Utility Matters
Deborah Dillon	Vice President	Tradewinds Utilities, Inc.	All Utility Matters

(1) Also list appropriate legal counsel, accountants and others who may not be on general payroll.
(2) Provide individual telephone numbers if the person is not normally reached at the company.
(3) Name of company employed by if not on general payroll.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

COMPANY PROFILE

Provide a brief narrative company profile which covers the following areas:

A. Brief company history.
B. Public services rendered.
C. Major goals and objectives.
D. Major operating divisions and functions.
E. Current and projected growth patterns.
F. Major transactions having a material effect on operations.

A. The company was organized to provide potable water service to various subdivisions in Marion County

B. The company provides wastewater treatement and distribution services to customers in its certicated area.

C. The primary goal of the Company is to continue rendering quality service to its existing customers.

D. The Company provides water treatement and distribution services, only in Marion County

E. The Company expects to continue an average growth rate of approximately .05%

F. None

UTILITY NAME: Tradewinds Utilities. Inc

YEAR OF REPORT
December 31, 2020

PARENT / AFFILIATE ORGANIZATION CHART

Current as of December 31, 2020

Complete below an organizational chart that show all parents, subsidiaries and affiliates of the utility.
The chart must also show the relationship between the utility and affiliates listed on E-7, E-10(a) and E-10(b).

Tradewinds Utilities, Inc

MIRA International, Inc

Tradewinds Utilities, Inc and Mira International, Inc have common ownership

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

COMPENSATION OF OFFICERS

For each officer, list the time spent on respondent as an officer compared to time spent on total business activities and the compensation received as an officer from the respondent.

NAME (a)	TITLE (b)	% OF TIME SPENT AS OFFICER OF THE UTILITY (c)	OFFICERS' COMPENSATION (d)
Charles deMenzes	President	60%	$ 60,000
Deborah Dillon	Vice President	60%	$ 40,000

COMPENSATION OF DIRECTORS

For each director, list the number of director meetings attended by each director and the compensation received as a director from the respondent.

NAME (a)	TITLE (b)	NUMBER OF DIRECTORS' MEETINGS ATTENDED (c)	DIRECTORS' COMPENSATION (d)
Charles deMenzes	Chairman/Pres	1	$ 20,000
Deborah Dillon	Sec/Treasurer	1	20,000

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

BUSINESS CONTRACTS WITH OFFICERS, DIRECTORS AND AFFILIATES

List all contracts, agreements, or other business arrangements* entered into during the calendar year (other than compensation related to position with Respondents) between the Respondent and officer and director listed on page E-6. In addition, provide the same information with respect to professional services for each firm, partnership, or organization with which the officer or director is affiliated.

NAME OF OFFICER, DIRECTOR OR AFFILIATE (a)	IDENTIFICATION OF SERVICE OR PRODUCT (b)	AMOUNT (c)	NAME AND ADDRESS OF AFFILIATED ENTITY (d)
MIRA International, Inc	See E-10(a)		

* Business Agreement, for this schedule, shall mean any oral or written business deal which binds the concerned parties for products or services during the reporting year or future years. Although the Respondent and/or other companies will benefit from the arrangement, the officer or director is, however, acting on his behalf or for the benefit of other companies or persons.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

AFFILIATION OF OFFICERS AND DIRECTORS

For each of the officials listed on page E-6, list the principal occupation or business affiliations or connections with any other business or financial organizations, firms, or partnerships. For purposes of this part, an official will be considered to have an affiliation with any business or financial organization, firm or partnership in which he is an officer, director, trustee, partner, or a person exercising similar functions.

NAME (a)	PRINCIPAL OCCUPATION OR BUSINESS AFFILIATION (b)	AFFILIATION OR CONNECTION (c)	NAME AND ADDRESS OF AFFILIATION OR CONNECTION (d)
Charles deMenzes	Management Company	Chairman/President	MIRA International, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	CFAT, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	BFF Corp 1552 SW 7th Road, Ocala

UTILITY NAME: Tradewinds Utilities, Inc

BUSINESSES WHICH ARE A BY-PRODUCT, COPRODUCT OR JOINT-PRODUCT RESULT OF PROVIDING WATER OR WASTEWATER SERVICE

Complete the following for any business which is conducted as a byproduct, coproduct, or joint product as a result of providing wate
This would include any business which requires the use of utility land and facilities. Examples of these types of businesses would be orang
fertilizer manufacturing, etc. This would not include any business for which the assets are properly included in Account 121 - Nonutility Pr
revenue and expenses segregated out as nonutility also.

	ASSETS		REVENUES	
BUSINESS OR SERVICE CONDUCTED (a)	BOOK COST OF ASSETS (b)	ACCOUNT NUMBER (c)	REVENUES GENERATED (d)	ACCOUNT NUMBER (e)
None	$		$	

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

BUSINESS TRANSACTIONS WITH RELATED PARTIES

List each contract, agreement, or other business transaction exceeding a cumulative amount of $500 in any on year, entered into between the Respondent and a business or financial organization, firm, or partnership named on pages E-2 and E-6, identifying the parties, amounts, dates and product, and asset, or service involved.

Part I. Specific Instructions: Services and Products Received or Provided

1. Enter in this part all transactions involving services and products received or provided.

2. Below are some types of transactions to include:
   - -management, legal and accounting services
   - -computer services
   - -engineering & construction services
   - -repairing and servicing of equipment
   - -material and supplies furnished
   - -leasing of structures, land, and equipment
   - -rental transactions
   - -sale, purchase or transfer of various products

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION SERVICE AND/OR NAME OF PRODUCT (b)	CONTRACT OR AGREEMENT EFFECTIVE DATES (c)	ANNUAL CHARGES (P)urchased (S)old (d)	ANNUAL CHARGES AMOUNT (e)
MIRA International, Inc	Billing,Computer Service	On-going	P	$
	Admin Services			33,750
	Payroll, Meter Reading			152,106
	Insurance, Office Space			17,250
	Materials, Supplies			17,860
	Repair, Service Equip			10,124
	Customer Relations			
	Customer Service			
	Annual PSC Reporting			8,000
	Hospitalization Benefits			25,000

UTILITY NAME: **Tradewinds Utilities, Inc**

BUSINESS TRANSACTIONS WITH RELATED PARTIES (Cont'd)

Part II. Specific Instructions: Sale, Purchase and Transfer of Assets

1. Enter in this part all transactions relating to the purchase, sale, or transfer of assets.

2 Below are examples of some types of transactions to include:
- -purchase, sale or transfer of equipment
- -purchase, sale or transfer of land and structures
- -purchase, sale or transfer of securities
- -noncash transfers of assets
- -noncash dividends other than stock dividends
- -write-off of bad debts or loans

3. The columnar instructions follow:

(a) Enter name of related party or company.
(b) Describe briefly the type of assets purchased, sold or trai
(c) Enter the total received or paid. Indicate purchase with '
(d) Enter the net book value for each item reported.
(e) Enter the net profit or loss for each item reported. (colun
(f) Enter the fair market value for each item reported. In spa schedule, describe the basis used to calculate fair market

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION OF ITEMS (b)	SALE OR PURCHASE PRICE (c)	NET BOOK VALUE (d)	GAIN
None		$	$	$

FINANCIAL SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	UTILITY PLANT			
101-106	Utility Plant	F-7	$ 2,337,428.01	$ 2,348,756.01
108-110	Less: Accumulated Depreciation and Amortization	F-8	1,495,371.00	1,697,144.48
	Net Plant		$ 842,057.01	$ 651,611.53
114-115	Utility Plant Acquisition adjustment (Net)	F-7	-	-
116 *	Other Utility Plant Adjustments			
	Total Net Utility Plant		$ 842,057.01	$ 651,611.53
	OTHER PROPERTY AND INVESTMENTS			
121	Nonutility Property	F-9	$ -	$ -
122	Less: Accumulated Depreciation and Amortization		-	-
	Net Nonutility Property		$ -	$ -
123	Investment in Associated Companies	F-10		
124	Utility Investments	F-10		
125	Other Investments	F-10		
126-127	Special Funds	F-10		
	Total Other Property & Investments		$ -	$ -
	CURRENT AND ACCRUED ASSETS			
131	Cash		$ 5,346.63	$ 8,436.97
132	Special Deposits	F-9	-	-
133	Other Special Deposits	F-9	-	-
134	Working Funds			
135	Temporary Cash Investments			
141-144	Accounts and Notes Receivable, Less Accumulated		(264.83)	(264.83)
	Provision for Uncollectible Accounts	F-11	42,365.51	33,452.85
145	Accounts Receivable from Associated Companies	F-12		12,500.00
146	Notes Receivable from Associated Companies	F-12		
161	Stores Expense			
162	Prepayments			
171	Accrued Interest and Dividends Receivable			
172 *	Rents Receivable			
173 *	Accrued Utility Revenues			
174	Miscellaneous Current and Accrued Assets	F-12		
	Total Current and Accrued Assets		$ 47,447.31	$ 54,124.99

* Not Applicable for Class B Utilities

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2020

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED DEBITS			
181	Unamortized Debt Discount & Expense	F-13	$ 1,424	$
182	Extraordinary Property Losses	F-13		
183	Preliminary Survey & Investigation Charges		-	-
184	Clearing Accounts		-	-
185 *	Temporary Facilities		-	-
186	Miscellaneous Deferred Debits	F-14	-	-
187 *	Research & Development Expenditures		-	-
190	Accumulated Deferred Income Taxes		-	-
	Total Deferred Debits		$ 1,424	$ -
	TOTAL ASSETS AND OTHER DEBITS		$ 890,928	$ 705,737

* Not Applicable for Class B Utilities

NOTES TO THE BALANCE SHEET

The space below is provided for important notes regarding the balance sheet.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	EQUITY CAPITAL			
201	Common Stock Issued	F-15	$ 200	$ 200
204	Preferred Stock Issued	F-15	-	-
202,205 *	Capital Stock Subscribed			
207 *	Premium on Capital Stock			
209 *	Reduction in Par or Stated Value of Capital Stock			
210 *	Gain on Resale or Cancellation of Reacquired Capital Stock			
211	Other Paid - In Capital		476,051	476,051
212	Discount On Capital Stock			
213	Capital Stock Expense			
214-215	Retained Earnings	F-16	(258,101)	(260,981)
216	Reacquired Capital Stock			
218	Proprietary Capital (Proprietorship and Partnership Only)			
	Total Equity Capital		$ 218,150	$ 215,270
	LONG TERM DEBT			
221	Bonds	F-15		
222 *	Reacquired Bonds			
223	Advances from Associated Companies	F-17	-	-
224	Other Long Term Debt	F-17	451,087	418,340
	Total Long Term Debt		$ 451,087	$ 418,340
	CURRENT AND ACCRUED LIABILITIES			
231	Accounts Payable		1,075	1,075
232	Notes Payable	F-18		-
233	Accounts Payable to Associated Companies	F-18		
234	Notes Payable to Associated Companies	F-18	-	-
235	Customer Deposits		23,603	33,453
236	Accrued Taxes	W/S-3	12,996	30,128
237	Accrued Interest	F-19		
238	Accrued Dividends			
239	Matured Long Term Debt			
240	Matured Interest			
241	Miscellaneous Current & Accrued Liabilities	F-20	581	581
	Total Current & Accrued Liabilities		$ 38,255	$ 65,237

* Not Applicable for Class B Utilities

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED CREDITS			
251	Unamortized Premium On Debt	F-13	$ -	$ -
252	Advances For Construction	F-20	-	-
253	Other Deferred Credits	F-21	-	-
255	Accumulated Deferred Investment Tax Credits			
	Total Deferred Credits		$ -	$ -
	OPERATING RESERVES			
261	Property Insurance Reserve		$	$
262	Injuries & Damages Reserve			
263	Pensions and Benefits Reserve			
265	Miscellaneous Operating Reserves			
	Total Operating Reserves		$	$
	CONTRIBUTIONS IN AID OF CONSTRUCTION			
271	Contributions in Aid of Construction	F-22	$ 884,470	$ 882,087
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	(859,335)	(870,711)
	Total Net C.I.A.C.		$ 25,135	$ 11,376
	ACCUMULATED DEFERRED INCOME TAXES			
281	Accumulated Deferred Income Taxes - Accelerated Depreciation		$	$
282	Accumulated Deferred Income Taxes - Liberalized Depreciation			
283	Accumulated Deferred Income Taxes - Other			
	Total Accumulated Deferred Income Tax		$ -	$ -
	TOTAL EQUITY CAPITAL AND LIABILITIES		$ 752,626	$ 710,223

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

COMPARATIVE OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR * (e)
	UTILITY OPERATING INCOME			
400	Operating Revenues	F-3(b)	$ 402,146	$ 404,426
469, 530	Less: Guaranteed Revenue and AFPI	F-3(b)	-	-
	Net Operating Revenues		$ 402,146	$ 404,426
401	Operating Expenses	F-3(b)	$ 325,842	$ 342,791
403	Depreciation Expense:	F-3(b)	$ 54,227	$ 54,928
	Less: Amortization of CIAC	F-22	13,938	11,376
	Net Depreciation Expense		$ 40,289	$ 43,552
406	Amortization of Utility Plant Acquisition Adjustment	F-3(b)	-	-
407	Amortization Expense (Other than CIAC)	F-3(b)	-	-
408	Taxes Other Than Income	W/S-3	30,048	30,128
409	Current Income Taxes	W/S-3	-	-
410.10	Deferred Federal Income Taxes	W/S-3	-	-
410.11	Deferred State Income Taxes	W/S-3	-	-
411.10	Provision for Deferred Income Taxes - Credit	W/S-3	-	-
412.10	Investment Tax Credits Deferred to Future Periods	W/S-3	-	-
412.11	Investment Tax Credits Restored to Operating Income	W/S-3	-	-
	Utility Operating Expenses		$ 396,179	$ 416,472
	Net Utility Operating Income		$ 5,967	$ (12,046)
469, 530	Add Back: Guaranteed Revenue and AFPI	F-3(b)	-	-
413	Income From Utility Plant Leased to Others		-	-
414	Gains (losses) From Disposition of Utility Property		-	-
420	Allowance for Funds Used During Construction		-	-
	Total Utility Operating Income [Enter here and on Page F-3(c)]		$ 5,967	$ (12,046)

* For each account, Column e should agree with Columns f, g and h on F-3(b)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF
December 3

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	WATER SCHEDULE W-3 * (f)	WASTEWATER SCHEDULE S-3 * (g)	OTHER THAN REPORTING SYSTEMS (h)
	UTILITY OPERATING INCOME			
400	Operating Revenues	$ 184,322	$ 220,104	$
469, 530	Less: Guaranteed Revenue and AFPI	-	$ -	
	Net Operating Revenues	$ 184,322	$ 220,104	$ -
401	Operating Expenses	$ 153,922	$ 188,869	$
403	Depreciation Expense:	29,512	$ 25,416	
	Less: Amortization of CIAC	-	$ 11,376	
	Net Depreciation Expense	$ 29,512	$ 14,040	$ -
406	Amortization of Utility Plant Acquisition Adjustment	-	$ -	
407	Amortization Expense (Other than CIAC)	-	$ -	
408	Taxes Other Than Income	14,090	$ 16,038	
409	Current Income Taxes	-	$ -	
410.10	Deferred Federal Income Taxes	-	$ -	
410.11	Deferred State Income Taxes	-	$ -	
411.10	Provision for Deferred Income Taxes - Credit	-	$ -	
412.10	Investment Tax Credits Deferred to Future Periods	-	$ -	
412.11	Investment Tax Credits Restored to Operating Income	-	$ -	
	Utility Operating Expenses	$ 197,525	$ 218,947	$ -
	Net Utility Operating Income	$ (13,203)	$ 1,157	$ -
469, 530	Add Back: Guaranteed Revenue and AFPI	-	$ -	
413	Income From Utility Plant Leased to Others	-	$ -	
414	Gains (losses) From Disposition of Utility Property	-	$ -	
420	Allowance for Funds Used During Construction	-	$ -	
	Total Utility Operating Income [Enter here and on Page F-3(c)]	$ (13,203)	$ 1,157	$ -

* Total of Schedules W-3 / S-3 for all rate groups.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
Total Utility Operating Income [from page F-3(a)]			$ 5,967	$ (12,046)
	OTHER INCOME AND DEDUCTIONS			
415	Revenues-Merchandising, Jobbing, and Contract Deductions		$	$
416	Costs & Expenses of Merchandising Jobbing, and Contract Work			
419	Interest and Dividend Income			
421	Nonutility Income			
426	Miscellaneous Nonutility Expenses			
	Total Other Income and Deductions		$ -	$ -
	TAXES APPLICABLE TO OTHER INCOME			
408.20	Taxes Other Than Income		$	$
409.20	Income Taxes			
410.20	Provision for Deferred Income Taxes			
411.20	Provision for Deferred Income Taxes - Credit			
412.20	Investment Tax Credits - Net			
412.30	Investment Tax Credits Restored to Operating Income			
	Total Taxes Applicable To Other Income		$ -	$ -
	INTEREST EXPENSE			
427	Interest Expense	F-19	$	$ -
428	Amortization of Debt Discount & Expense	F-13	1,046	
429	Amortization of Premium on Debt	F-13		
	Total Interest Expense		$ 1,046	$ -
	EXTRAORDINARY ITEMS			
433	Extraordinary Income		$	$
434	Extraordinary Deductions			
409.30	Income Taxes, Extraordinary Items			
	Total Extraordinary Items		$ -	$ -
	NET INCOME		$ 7,013	$ (12,046)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SCHEDULE OF YEAR END RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	WATER UTILITY (d)	WASTEWATER UTILITY (e)
101	Utility Plant In Service	F-7	$ 1,267,708	$ 1,081,048
	Less: Nonused and Useful Plant (1)		-	
108	Accumulated Depreciation	F-8	777,736	919,408
110	Accumulated Amortization	F-8	-	-
271	Contributions in Aid of Construction	F-22	332,247	538,464
252	Advances for Construction	F-20	-	
	Subtotal		$ 157,724	$ (376,824)
272	Add: Accumulated Amortization of Contributions in Aid of Construction	F-22	332,247	538,464
	Subtotal		$ 489,971	$ 161,640
114	Plus or Minus: Acquisition Adjustments (2)	F-7	-	-
115	Accumulated Amortization of Acquisition Adjustments (2)	F-7	-	-
	Working Capital Allowance (3)		19,240	23,609
105	Other (Specify): Construction in Process		-	-
	RATE BASE		$ 509,212	$ 185,249
	NET UTILITY OPERATING INCOME		$ (13,203)	$ 1,157
	ACHIEVED RATE OF RETURN (Operating Income / Rate Base)		-2.59%	0.62%

NOTES :

(1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SCHEDULE OF CURRENT COST OF CAPITAL
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING (1)

CLASS OF CAPITAL (a)	DOLLAR AMOUNT (2) (b)	PERCENTAGE OF CAPITAL (c)	ACTUAL COST RATES (3) (d)	WEIGHTED COST (c x d) (e)
Common Equity	$	-		
Preferred Stock		-		
Long Term Debt		-		
Customer Deposits		-		
Tax Credits - Zero Cost		-		
Tax Credits - Weighted Cost		-		
Deferred Income Taxes		-		
Other (Explain)		-		
		-		
Total	$			

(1) If the utility's capital structure is not used, explain which capital structure is used.

(2) Should equal amounts on Schedule F-6, Column (g).

(3) Mid-point of the last authorized Return On Equity or current leverage formula if none has been established.

Must be calculated using the same methodology used in the last rate proceeding using current annual report year end amounts and cost rates.

APPROVED RETURN ON EQUITY

Current Commission Return on Equity:	11.16%
Commission order approving Return on Equity:	100127-WS

APPROVED AFUDC RATE

COMPLETION ONLY REQUIRED IF AFUDC WAS CHARGED DURING YEAR

Current Commission Approved AFUDC rate:	%
Commission order approving AFUDC rate:	

If any utility capitalized any charge in lieu of AFUDC (such as interest only), state the basis of the charge, an explanation as to why AFUDC was not charged and the percentage capitalized.

UTILITY NAME: Tradewinds Utilities, Inc

SCHEDULE OF CAPITAL STRUCTURE ADJUSTMENTS
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEE

CLASS OF CAPITAL (a)	PER BOOK BALANCE (b)	NON-UTILITY ADJUSTMENTS (c)	NON-JURISDICTIONAL ADJUSTMENTS (d)	OTHER (1) ADJUSTMENTS SPECIFIC (e)	AI
Common Equity	$ 200	$	$	$	$
Preferred Stock					
Long Term Debt					
Customer Deposits					
Tax Credits - Zero Cost					
Tax Credits - Weighted Cost					
Deferred Inc. Taxes					
Other (Explain)					
Total	$ 200	$	$	$	$

(1) Explain below all adjustments made in Columns (e) and (f):

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

UTILITY PLANT
ACCOUNTS 101 - 106

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
	Plant Accounts:				
101	Utility Plant In Service	$ 1,267,708	$ 1,081,048	$ -	$ 2,348,756
102	Utility Plant Leased to Other	-	-	-	-
103	Property Held for Future Use	-	-	-	-
104	Utility Plant Purchased or Sold	-	-	-	-
105	Construction Work in Progress	-	-	-	-
106	Completed Construction Not Classified	-	-	-	-
	Total Utility Plant	$ 1,267,708	$ 1,081,048	$ -	$ 2,348,756

UTILITY PLANT ACQUISITION ADJUSTMENTS
ACCOUNTS 114 AND 115

Report each acquisition adjustment and related accumulated amortization separately.
For any acquisition adjustments approved by the Commission, include the Order Number.

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
114	Acquisition Adjustment	$ -	-	-	$ -
		-	-	-	-
					-
Total Plant Acquisition Adjustments		$ -	$ -	$ -	$ -
115	Accumulated Amortization	$ -	-	-	$ -
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
Total Accumulated Amortization		$ -	$ -	$ -	$ -
Net Acquisition Adjustments		$ -	$ -	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

ACCUMULATED DEPRECIATION (ACCT. 108) AND AMORTIZATION (ACCT. 110)

DESCRIPTION (a)	WATER (b)	WASTEWATER (c)	OTHER THAN REPORTING SYSTEMS (d)	TOTAL (e)
ACCUMULATED DEPRECIATION Account 108				
Balance first of year	$ 748,224	$ 893,992	$ -	$ 1,642,216
Credit during year:				
Accruals charged to:				
Account 108.1 (1)	$ 29,512	$ 25,416	$	$ 54,928
Account 108.2 (2)				-
Account 108.3 (2)				-
Other Accounts (specify):				-
				-
Salvage				-
Other Credits (Specify):				-
				-
Total Credits	$ 29,512	$ 25,416	$ -	$ 54,928
Debits during year:				
Book cost of plant retired	-	-		-
Cost of Removal				-
Other Debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ 777,736	$ 919,408	$ -	$ 1,697,144
ACCUMULATED AMORTIZATION Account 110				
Balance first of year	$	$	$	$ -
Credit during year:				
ccruals charged to:				
	$	$	$	$ -
Account 110.2 (3)				-
Other Accounts (specify):				-
				-
Total credits	$ -	$ -	$ -	$ -
Debits during year:				
Book cost of plant retired				-
Other debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ -	$ -	$ -	$ -

(1) Account 108 for Class B utilities.

(2) Not applicable for Class B utilities.

(3) Account 110 for Class B utilities.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

REGULATORY COMMISSION EXPENSE
AMORTIZATION OF RATE CASE EXPENSE (ACCOUNTS 666 AND 766)

DESCRIPTION OF CASE (DOCKET NO.) (a)	EXPENSE INCURRED DURING YEAR (b)	CHARGED OFF DURING YEAR	
		ACCT. (d)	AMOUNT (e)
None	$		$
Total	$		$

NONUTILITY PROPERTY (ACCOUNT 121)

Report separately each item of property with a book cost of $25,000 or more included in Account 121.
Other Items may be grouped by classes of property.

DESCRIPTION (a)	BEGINNING YEAR (b)	ADDITIONS (c)	REDUCTIONS (d)	ENDING YEAR BALANCE (e)
None	$	$	$	$
Total Nonutility Property	$ -	$ -	$ -	$ -

SPECIAL DEPOSITS (ACCOUNTS 132 AND 133)

Report hereunder all special deposits carried in Accounts 132 and 133.

DESCRIPTION OF SPECIAL DEPOSITS (a)	YEAR END BOOK COST (b)
SPECIAL DEPOSITS (Account 132):	
Total Special Deposits	$ -
OTHER SPECIAL DEPOSITS (Account 133):	
Total Other Special Deposits	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

INVESTMENTS AND SPECIAL FUNDS
ACCOUNTS 123 - 127

Report hereunder all investments and special funds carried in Accounts 123 through 127.

DESCRIPTION OF SECURITY OR SPECIAL FUND (a)	FACE OR PAR VALUE (b)	YEAR END BOOK COST (c)
INVESTMENT IN ASSOCIATED COMPANIES (Account 123):	$	$
None		
Total Investment in Associated Companies		$
UTILITY INVESTMENTS (Account 124):	$	$
None		
Total Utility Investment		$
OTHER INVESTMENTS (Account 125):	$	$
None		
Total Other Investment		$
SPECIAL FUNDS (Class A Utilities: Accounts 126 and 127; Class B Utilities: Account 127):		$
None		
Total Special Funds		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

ACCOUNTS AND NOTES RECEIVABLE - NET
ACCOUNTS 141 - 144

Report hereunder all accounts and notes receivable included in Accounts 141, 142, and 144. Amounts included in Amounts included in Accounts 142 and 144 should be listed individually.

DESCRIPTION (a)		TOTAL (b)
CUSTOMER ACCOUNTS RECEIVABLE (Account 141):		
Water & Wastewater	$ 33,453	
Other		
Total Customer Accounts Receivable		$ 33,453
OTHER ACCOUNTS RECEIVABLE (Account 142):		
Employee accounts receivable	$	
Total Other Accounts Receivable		$ -
NOTES RECEIVABLE (Account 144):		
	$	
None		
Total Notes Receivable		$ -
Total Accounts and Notes Receivable		$ 33,453
ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (Account 143)		
Balance first of year	$	
Add: Provision for uncollectibles for current year	$	
Collection of accounts previously written off		
Utility Accounts		
Others		
Total Additions	$ -	
Deduct accounts written off during year:		
Utility Accounts		
Others		
Total accounts written off	$ -	
Balance end of year		$ -
TOTAL ACCOUNTS AND NOTES RECEIVABLE - NET		$ 33,453

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 145

Report each account receivable from associated companies separately.

DESCRIPTION (a)	TOTAL (b)
Due From BFF Corp	$ 12,500
Total	$ 12,500

NOTES RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 146

Report each note receivable from associated companies separately.

DESCRIPTION (a)	INTEREST RATE (b)	TOTAL (c)
Due from BFF	%	$
Total		$

MISCELLANEOUS CURRENT AND ACCRUED ASSETS
ACCOUNT 174

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
None	$
Total Miscellaneous Current and Accrued Liabilities	$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT
ACCOUNTS 181 AND 251

Report the net discount and expense or premium separately for each security issue.

DESCRIPTION (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
UNAMORTIZED DEBT DISCOUNT AND EXPENSE (Account 181):	$	$
Unamortized Debt Discount	1,046	
Total Unamortized Debt Discount and Expense	$ 1,046	$
UNAMORTIZED PREMIUM ON DEBT (Account 251):	$	$
None		
Total Unamortized Premium on Debt	$	$ -

EXTRAORDINARY PROPERTY LOSSES
ACCOUNT 182

Report each item separately.

DESCRIPTION (a)	TOTAL (b)
	$
None	
Total Extraordinary Property Losses	$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

MISCELLANEOUS DEFERRED DEBITS
ACCOUNT 186

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
DEFERRED RATE CASE EXPENSE (Class A Utilities: Account 186.1)		
	$	$
Total Deferred Rate Case Expense	$ -	$ -
OTHER DEFERRED DEBITS (Class A Utilities: Account 186.2):		
	$	
Total Other Deferred Debits	$ -	$ -
REGULATORY ASSETS (Class A Utilities: Account. 186.3):		
	$	$
Total Regulatory Assets	$ -	$ -
TOTAL MISCELLANEOUS DEFERRED DEBITS	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

CAPITAL STOCK
ACCOUNTS 201 AND 204*

DESCRIPTION (a)	RATE (b)	TOTAL (c)
COMMON STOCK		
Par or stated value per share	%	$ 1
Shares authorized		200
Shares issued and outstanding		200
Total par value of stock issued	%	$ 200
Dividends declared per share for year	%	$ -
PREFERRED STOCK		
Par or stated value per share	None %	$
Shares authorized		
Shares issued and outstanding		
Total par value of stock issued	%	$
Dividends declared per share for year	%	$

* Account 204 not applicable for Class B utilities.

BONDS
ACCOUNT 221

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2020

STATEMENT OF RETAINED EARNINGS

1. Dividends should be shown for each class and series of capital stock. Show amounts as dividends per share.
2. Show separately the state and federal income tax effect of items shown in Account No. 439.

ACCT. NO. (a)	DESCRIPTION (b)	AMOUNTS (c)
215	Unappropriated Retained Earnings: Balance Beginning of Year	$ (258,100)
439	Changes to Account: Adjustments to Retained Earnings (requires Commission approval prior to use): Credits:	$
	Total Credits:	$ -
	Debits:	$
	Total Debits:	$ -
435	Balance Transferred from Income	$ (2,881)
436	Appropriations of Retained Earnings:	
	Total Appropriations of Retained Earnings	$ -
	Dividends Declared:	
437	Preferred Stock Dividends Declared	
438	Common Stock Dividends Declared — Shareholder Distributions	
	Total Dividends Declared	$ -
215	Year end Balance	$ (260,981)
214	Appropriated Retained Earnings (state balance and purpose of each appropriated amount at year end):	
214	Total Appropriated Retained Earnings	$ -
Total Retained Earnings		$ (260,981)

Notes to Statement of Retained Earnings:

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

ADVANCES FROM ASSOCIATED COMPANIES
ACCOUNT 223

Report each advance separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$ -

OTHER LONG-TERM DEBT
ACCOUNT 224

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
Regions Bank LC	6.50 %	Var	21,340
Stockholder Loan	0.00 %		397,000
Total			$ 418,340

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

NOTES PAYABLE
ACCOUNTS 232 AND 234

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
NOTES PAYABLE (Account 232):			
	%		$
	%		
	%		
	%		
	%		
	%		
Total Account 232			$ -
NOTES PAYABLE TO ASSOC. COMPANIES (Account 234):			
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 234			$ -

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES
ACCOUNT 233

Report each account payable separately.

DESCRIPTION (a)	TOTAL (b)
	$
Mira International	
Total	$ -

UTILITY NAME: Tradewinds Utilities, Inc

ACCRUED INTEREST AND EXPENSE
ACCOUNTS 237 AND 427

DESCRIPTION OF DEBIT (a)	BALANCE BEGINNING OF YEAR (b)	INTEREST ACCRUED DURING YEAR		IN PAI
		ACCT. DEBIT (c)	AMOUNT (d)	
ACCOUNT NO. 237.1 - Accrued Interest on Long Term Debt				
	$		$	$
	-	427.4	750	
Total Account 237.1	$ -		$	$
ACCOUNT NO. 237.2 - Accrued Interest on Other Liabilities				
	$	427	$	
Total Account 237.2	$ -		$ -	$
Total Account 237 (1)	$ -		$ -	$
INTEREST EXPENSED:				
Total accrual Account 237		237	$ -	(1)
Less Capitalized Interest Portion of AFUDC:				
				(2)
Net Interest Expensed to Account No. 427 (2)			$ -	

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES
ACCOUNT 241

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
Refund Checks Returned	$ 581
Total Miscellaneous Current and Accrued Liabilities	$ 581

ADVANCES FOR CONSTRUCTION
ACCOUNT 252

NAME OF PAYOR * (a)	BALANCE BEGINNING OF YEAR (b)	DEBITS		CREDITS (e)	BALANCE END OF YEAR (f)
		ACCT. DEBIT (c)	AMOUNT (d)		
	$	252	$		$ -
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
Total	$ -		$ -	$ -	$ -

* Report advances separately by reporting group, designating water or wastewater in column (a).

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

OTHER DEFERRED CREDITS
ACCOUNT 253

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
REGULATORY LIABILITIES (Class A Utilities: Account 253.1):		
None	$ -	$ -
Total Regulatory Liabilities	$ -	$ -
OTHER DEFERRED LIABILITIES (Class A Utilities: Account 253.2):		
None	$ -	$ -
Total Other Deferred Liabilities	$ -	$ -
TOTAL OTHER DEFERRED CREDITS	$ -	$ -

UTILITY NAME: Tradewinds Utilities. Inc

YEAR OF REPORT
December 31, 2020

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	WATER (W-7) (b)	WASTEWATER (S-7) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 332,247	$ 549,840	$	$ 882,087
Add credits during year:	$ -	-	-	-
Less debit charged during the year	$ -	$ 11,376	$ -	$ 11,376
Total Contribution In Aid of Construction	$ 332,247	$ 538,464	$ -	$ 870,711

ACCUMULATED AMORTIZATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 272

DESCRIPTION (a)	WATER (W-8(a)) (b)	WASTEWATER (S-8(a)) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 332,247	$ 527,088	$	$ 859,335
Debits during the year:	$ -	11,376		$ 11,376
Credits during the year	$ -	$ -	$	$ -
Total Accumulated Amortization of Contributions In Aid of Construction	$ 332,247	$ 538,464	$ -	$ 870,711

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES (UTILITY OPERATIONS)

1. The reconciliation should include the same detail as furnished on Schedule M-1 of the federal tax return for the year. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount and show the computations of all tax accruals.

2. If the utility is a member of a group which files a consolidated federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating intercompany amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignments or sharing of the consolidated tax among the group members.

DESCRIPTION (a)	REF. NO. (b)	AMOUNT (c)
Net income for the year	F-3(c)	$ -
Reconciling items for the year:		
Taxable income not reported on books:		
		-
		-
Deductions recorded on books not deducted for return:		
		-
		-
Income recorded on books not included in return:		
		-
		-
		-
		-
Deduction on return not charged against book income:		
		-
		-
		-
		-
Federal tax net income		$ -

Computation of tax :

This Corporation is an "S" Corporation, therfore this schedule is not applicable

WATER
OPERATION
SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

WATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The water financial schedules (W-2 through W-10) should be filed for the group in total.
The water engineering schedules (W-11 through W-14) must be filed for each system in the group.
All of the following water pages (W-2 through W-14) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-10-AR	1

YEAR OF REPORT
December 31, 2020

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

SCHEDULE OF YEAR END WATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WATER UTILITY (d)
101	Utility Plant In Service	W-4(b)	$ 1,267,708
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	W-6(b)	777,736
110	Accumulated Amortization		
271	Contributions in Aid of Construction	W-7	332,247
252	Advances for Construction		-
	Subtotal		$ 157,724
272	Add: Accumulated Amortization of Contributions in Aid of Construction	W-8(a)	$ 332,247
	Subtotal		$ 489,971
	Plus or Minus:		
114	Acquisition Adjustments (2)		-
115	Accumulated Amortization of Acquisition Adjustments (2)		-
	Working Capital Allowance (3)		19,240
	Other (Specify):		
105	Construction in Process		-
	WATER RATE BASE		$ 509,212
	WATER OPERATING INCOME	W-3	$ (13,203)
	ACHIEVED RATE OF RETURN (Water Operating Income / Water Rate Base)		-2.59%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	CURRENT YEAR (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	W-9	$ 184,322
469	Less: Guaranteed Revenue and AFPI	W-9	-
	Net Operating Revenues		$ 184,322
401	Operating Expenses	W-10(a)	$ 153,922
403	Depreciation Expense	W-6(a)	29,512
	Less: Amortization of CIAC	W-8(a)	-
	Net Depreciation Expense		$ 29,512
406	Amortization of Utility Plant Acquisition Adjustment		
407	Amortization Expense (Other than CIAC)		-
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		8,294
408.11	Property Taxes		1,476
408.12	Payroll Taxes		4,320
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 14,090
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 197,525
	Utility Operating Income		$ (13,203)
	Add Back:		
469	Guaranteed Revenue (and AFPI)	W-9	$ -
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ (13,203)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
301	1993 Rate Case Expense	$ 482	$		$ 482
302	Franchises	925			925
303	Land and Land Rights	182,500			182,500
304	Structures and Improvements	122,472			122,472
305	Collecting and Impounding Reservoirs	0			
306	Lake, River and Other Intakes	0			
307	Wells and Springs	0			
309	Supply Mains	2,469			2,469
310	Power Generation Equipment	19,734			19,734
311	Pumping Equipment	76,013			76,013
320	Water Treatment Equipment	6,568			6,568
330	Distribution Reservoirs and Standpipes	292,464			292,464
331	Transmission and Distribution Mains	282,945			282,945
333	Services	69,852			69,852
334	Meters and Meter Installations	186,986	7,359		194,345
335	Hydrants	8,000			8,000
336	Backflow Prevention Devices	0			
339	Other Plant Miscellaneous Equipment	1,462			1,462
340	Office Furniture and Equipment	5,740			5,740
341	Transportation Equipment	800			800
342	Stores Equipment	0			
343	Tools, Shop and Garage Equipment	937			937
344	Laboratory Equipment	0			
345	Power Operated Equipment	0			
346	Communication Equipment	0			
347	Miscellaneous Equipment	0			
349	Abandonment of Regional Plant	0			
	TOTAL WATER PLANT	$ 1,260,349	$ 7,359	$	$ 1,267,708

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 INTANGIBLE PLANT (d)	.2 SOURCE OF SUPPLY AND PUMPING PLANT (e)	.3 WATER TREATMENT PLANT (f)	.4 TRANSMIS AND DISTRIBU PLANT (g)
301	1993 Rate Case Expense	$ 482	$ 482	$	$	$
302	Franchises	925	925			
303	Land and Land Rights	182,500		182,500		
304	Structures and Improvements	122,472		122,472		
305	Collecting and Impounding Reservoirs					
306	Lake, River and Other Intakes					
307	Wells and Springs					
309	Supply Mains	2,469		2,469		
310	Power Generation Equipment	19,734		19,734		
311	Pumping Equipment	76,013		76,013		
320	Water Treatment Equipment	6,568			6,568	
330	Distribution Reservoirs and Standpipes	292,464				29
331	Transmission and Distribution Mains	282,945				28
333	Services	69,852				6
334	Meters and Meter Installations	194,345				19
335	Hydrants	8,000				
336	Backflow Prevention Devices					
339	Other Plant Miscellaneous Equipment	1,462	1,462			
340	Office Furniture and Equipment	5,740				
341	Transportation Equipment	800				
342	Stores Equipment					
343	Tools, Shop and Garage Equipment	937				
344	Laboratory Equipment					
345	Power Operated Equipment					
346	Communication Equipment					
347	Miscellaneous Equipment					
349	Abandonment of Regional Plant					
	TOTAL WATER PLANT	$ 1,267,708	$ 2,869	$ 403,188	$ 6,568	$ 84

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

BASIS FOR WATER DEPRECIATION CHARGES

ACCT. NO.	ACCOUNT NAME	AVERAGE SERVICE LIFE IN YEARS	AVERAGE NET SALVAGE IN PERCENT	DEPRECIATION RATE APPLIED IN PERCENT (100% - d) / c
(a)	(b)	(c)	(d)	(e)
301	1993 Rate Case Expense	4		25.00%
302	Franchises	29		
304	Structures and Improvements	27		3.70%
305	Collecting and Impounding Reservoirs			
306	Lake, River and Other Intakes			
307	Wells and Springs	15		6.67%
309	Supply Mains	32		3.13%
310	Power Generation Equipment	15		6.67%
311	Pumping Equipment	15		6.67%
320	Water Treatment Equipment	7		14.29%
330	Distribution Reservoirs and Standpipes	30		3.33%
331	Transmission and Distribution Mains	40		2.50%
333	Services	35		2.86%
334	Meters and Meter Installations	17		5.88%
335	Hydrants	20		5.00%
336	Backflow Prevention Devices			
339	Other Plant Miscellaneous Equipment	6		16.67%
340	Office Furniture and Equipment	6		16.67%
341	Transportation Equipment	6		16.67%
342	Stores Equipment			
343	Tools, Shop and Garage Equipment	15		6.67%
344	Laboratory Equipment			
345	Power Operated Equipment			
346	Communication Equipment			
347	Miscellaneous Equipment			
349	Abandonment of Regional Plant			
Water Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPOR
December 31, 20

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
301	1993 Rate Case Expense	$ 482	$		$
302	Franchises	925			
304	Structures and Improvements	97,065	4,531		4,53
305	Collecting and Impounding Reservoirs				
306	Lake, River and Other Intakes	0			
307	Wells and Springs	0			
309	Supply Mains	2,061	77		7
310	Power Generation Equipment	19,733			
311	Pumping Equipment	76,013			
320	Water Treatment Equipment	6,568			
330	Distribution Reservoirs and Standpipes	189,550	9,749		9,74
331	Transmission and Distribution Mains	195,546	7,074		7,07
333	Services	50,037	1,996		1,99
334	Meters and Meter Installations	95,657	5,442		5,44
335	Hydrants	6,460	400		40
336	Backflow Prevention Devices	0			
339	Other Plant Miscellaneous Equipment	652	244		24
340	Office Furniture and Equipment	5,739			
341	Transportation Equipment	800			
342	Stores Equipment	0			
343	Tools, Shop and Garage Equipment	936			
344	Laboratory Equipment	0			
345	Power Operated Equipment	0			
346	Communication Equipment	0			
347	Miscellaneous Equipment	0			
349	Abandonment of Regional Plant				
TOTAL WATER ACCUMULATED DEPRECIATION		$ 748,224	$ 29,512	$ 0	$ 29,51

* Specify nature of transaction
Use ( ) to denote reversal entries.

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION (CONT'D)

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)
301	1993 Rate Case Expense	$			$
302	Franchises				
304	Structures and Improvements				
305	Collecting and Impounding Reservoirs				
306	Lake, River and Other Intakes				
307	Wells and Springs				
309	Supply Mains				
310	Power Generation Equipment				
311	Pumping Equipment				
320	Water Treatment Equipment				
330	Distribution Reservoirs and Standpipes				
331	Transmission and Distribution Mains				
333	Services				
334	Meters and Meter Installations				
335	Hydrants				
336	Backflow Prevention Devices				
339	Other Plant Miscellaneous Equipment				
340	Office Furniture and Equipment				
341	Transportation Equipment				
342	Stores Equipment				
343	Tools, Shop and Garage Equipment				
344	Laboratory Equipment				
345	Power Operated Equipment				
346	Communication Equipment				
347	Miscellaneous Equipment				
349	Abandonment of Regional Plant				
TOTAL WATER ACCUMULATED DEPRECIATION		$ 0	$ 0	$ 0	$

YEAR OF REPORT
December 31, 2020

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WATER (c)
Balance first of year		$ 332,247
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	W-8(a)	$
Contributions received from Developer or Contractor Agreements in cash or property	W-8(a)	0
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 332,247

If any prepaid CIAC has been collected, provide a supporting schedule showing how the amount is determined.

Explain all debits charged to Account 271 during the year below:

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
			$ -
			-
			-
			-
			-
			-
			-
Total Credits			$

ACCUMULATED AMORTIZATION OF WATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WATER (b)
Balance first of year	$ 332,247
Debits during the year:	
Accruals charged to Account 272	$
Other debits (specify) :	
Total debits	$ 0
Credits during the year (specify) :	
	$ 0
Total credits	$ -
Balance end of year	$ 332,247

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS (d)	AMOUNT (e)
	Water Sales:			
460	Unmetered Water Revenue			$
	Metered Water Revenue:			
461.1	Sales to Residential Customers	449	479	141,788
461.2	Sales to Commercial Customers	55	42	39,753
461.3	Sales to Industrial Customers			
461.4	Sales to Public Authorities			
461.5	Sales Multiple Family Dwellings			
	Total Metered Sales	504	521	$ 181,541
	Fire Protection Revenue:			
462.1	Public Fire Protection			
462.2	Private Fire Protection			
	Total Fire Protection Revenue	-	-	$ -
464	Other Sales To Public Authorities			
465	Sales To Irrigation Customers			
466	Sales For Resale			
467	Interdepartmental Sales			
	Total Water Sales	504	521	$ 181,541
	Other Water Revenues:			
469	Guaranteed Revenues (Including Allowance for Funds Prudently Invested or AFPI)			$
470	Forfeited Discounts			
471	Miscellaneous Service Revenues			
472	Rents From Water Property			
473	Interdepartmental Rents			
474	Other Water Revenues			2,781
	Total Other Water Revenues			$ 2,781
	Total Water Operating Revenues			$ 184,322

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY EXPENSE ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 SOURCE OF SUPPLY AND EXPENSES - OPERATIONS (d)	.2 SOURCE OF SUPPLY AND EXPENSES - MAINTENANCE (e)
601	Salaries and Wages - Employees	$ 32,400	$ 3,240	3,240
603	Salaries and Wages - Officers, Directors and Majority Stockholders	24,000 -		
604	Employee Pensions and Benefits	4,320	432	432
610	Purchased Water	-		
615	Purchased Power	10,892	10,892	
616	Fuel for Power Production	-		
618	Chemicals	959	959	
620	Materials and Supplies	-		
631	Contractual Services-Engineering	1,130		
632	Contractual Services - Accounting			
633	Contractual Services - Legal	-		
634	Contractual Services - Mgt. Fees	32,400		
635	Contractual Services - Testing	175		
636	Contractual Services - Other	5,530	5,530	
641	Rental of Building/Real Property	7,200		
642	Rental of Equipment	-		
650	Transportation Expenses	-		
656	Insurance - Vehicle	-		
657	Insurance - General Liability	4,560	4,560	
658	Insurance - Workman's Comp.	-		
659	Insurance - Other	-		
660	Advertising Expense	-		
666	Regulatory Commission Expenses - Amortization of Rate Case Expense	-		
667	Regulatory Commission Exp.-Other			
668	Water Resource Conservation Exp.	-		
670	Bad Debt Expense	114		
675	Miscellaneous Expenses	$ 30,242		6,464
	Total Water Utility Expenses	$ 153,922	$ 25,613	$ 10,136

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER EXPENSE ACCOUNT MATRIX

.3 WATER TREATMENT EXPENSES - OPERATIONS (f)	.4 WATER TREATMENT EXPENSES - MAINTENANCE (g)	.5 TRANSMISSION & DISTRIBUTION EXPENSES - OPERATIONS (h)	.6 TRANSMISSION & DISTRIBUTION EXPENSES - MAINTENANCE (i)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)
3,240	3,240	3,240	3,240	9,720	3,240
432	432	432	432	1,296	432
				-	-
				25,920	6,480
	175				
				5,760	1,440
				624	
2,208	3,856	1,075	12,319		4,320
$ 5,880	$ 7,703	$ 4,747	$ 15,991	$ 43,320	$ 15,912

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

PUMPING AND PURCHASED WATER STATISTICS

MONTH (a)	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [(b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	2,750	491	2,259	2,259
February	0	2,204	59	2,145	2,145
March	0	3,101	840	2,261	2,261
April	0	3,185	634	2,551	2,551
May	0	2,602	22	2,580	2,580
June	0	2,651	224	2,427	2,427
July	0	2,743	329	2,414	2,414
August	0	2,379	58	2,321	2,321
September	0	2,345	138	2,207	2,207
October	0	2,120	-29	2,149	2,149
November	0	2,413	239	2,174	2,174
December	0	2,626	886	1,740	1,740
Total for Year	-	31,119	3,891	27,228	27,228

If water is purchased for resale, indicate the following:

Vendor

Point of delivery

If water is sold to other water utilities for redistribution, list names of such utilities below:

SOURCE OF SUPPLY

List for each source of supply:	CAPACITY OF WELL	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Backup Well	5,000,000 *	0	Well
Backup Well	5,000,000 *	0	Well
Main Well	47,450,000 *	130,000	Well

* Annual

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Permitted Capacity of Plant (GPD): 108,500

Location of measurement of capacity (i.e. Wellhead, Storage Tank): Flow Meter

Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.): Liquid Chlorinated

LIME TREATMENT

Unit rating (i.e., GPM, pounds per gallon): N/A Manufacturer:

FILTRATION

Type and size of area:

Pressure (in square feet): N/A Manufacturer:

Gravity (in GPM/square feet): Manufacturer:

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CALCULATION OF THE WATER SYSTEM METER EQUIVALENTS

METER SIZE (a)	TYPE OF METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential				
5/8"	Displacement	1.0	464	464
3/4"	Displacement	1.5		
1"	Displacement	2.5	32	80
1 1/4"	Displacement, Compound or Turbine	3.8		
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
			Total Water System Meter Equivalents	616

CALCULATION OF THE WATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC).
Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:
ERC = (Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day)

ERC Calculation:
21,170,000 gallons sold / 470 average SFR Customers / 365 days 218

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present ERC's * the system can efficiently serve. 600
2. Maximum number of ERCs * which can be served. 600
3. Present system connection capacity (in ERCs *) using existing lines. 470
4. Future connection capacity (in ERCs *) upon service area buildout. 130
5. Estimated annual increase in ERCs *. 1
6. Is the utility required to have fire flow capacity? _____ Yes
   If so, how much capacity is required? _____ 1500 GPM
7. Attach a description of the fire fighting facilities. Fire Truck Tank Refill, Fire Hydrants, and Commercial Sprinkler System
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. N/A
9. When did the company last file a capacity analysis report with the DEP? _____ Dec-14
10. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? _____
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO
11. Department of Environmental Protection ID # 3424620
12. Water Management District Consumptive Use Permit # 2995
    a. Is the system in compliance with the requirements of the CUP? _____ Yes
    b. If not, what are the utility's plans to gain compliance? _____

* An ERC is determined based on the calculation on the bottom of Page W-13.

WASTEWATER OPERATION SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2020

WASTEWATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The wastewater financial schedules (S-2 through S-10) should be filed for the group in total.
The wastewater engineering schedules (S-11 through S-13) must be filed for each system in the group.
All of the following wastewater pages (S-2 through S-13) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-12-AR	

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

SCHEDULE OF YEAR END WASTEWATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
101	Utility Plant In Service	S-4(a)	$ 1,081,048
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	S-6(b)	919,408
110	Accumulated Amortization		
271	Contributions in Aid of Construction	S-7	549,840
252	Advances for Construction	F-20	0
	Subtotal		$ -388,200
272	Add: Accumulated Amortization of Contributions in Aid of Construction	S-8(a)	$ 538,464
	Subtotal		$ 150,264
	Plus or Minus:		
114	Acquisition Adjustments (2)		
115	Accumulated Amortization of Acquisition Adjustments (2)		
	Working Capital Allowance (3)		23,609
	Other (Specify):		
	WASTEWATER RATE BASE		$ 173,873
	WASTEWATER OPERATING INCOME	S-3	$ 1,157
	ACHIEVED RATE OF RETURN (Wastewater Operating Income / Wastewater Rate Base)		0.67%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	S-9	$ 220,104
530	Less: Guaranteed Revenue (and AFPI)	S-9	0
	Net Operating Revenues		$ 220,104
401	Operating Expenses	S-10(a)	$ 188,869
403	Depreciation Expense	S-6(a)	25,416
	Less: Amortization of CIAC	S-8(a)	11,376
	Net Depreciation Expense		$ 14,040
406	Amortization of Utility Plant Acquisition Adjustment	F-7	
407	Amortization Expense (Other than CIAC)	F-8	0
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		10,065
408.11	Property Taxes		1,293
408.12	Payroll Taxes		4,680
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 16,038
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 218,947
	Utility Operating Income		$ 1,157
	Add Back:		
530	Guaranteed Revenue (and AFPI)	W-9	$
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ 1,157

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
351	Organization	$ 947	$	$	$ 947
352	Franchises	3,806			3,806
353	Land and Land Rights	93,388			93,388
354	Structures and Improvements	170,068			170,068
355	Power Generation Equipment	0			0
360	Collection Sewers - Force	33,459			33,459
361	Collection Sewers - Gravity	141,888			141,888
362	Special Collecting Structures	2,531			2,531
363	Services to Customers	64,155			64,155
364	Flow Measuring Devices	1,711			1,711
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	245,339			245,339
371	Pumping Equipment	0			0
374	Reuse Distribution Reservoirs	0			0
375	Reuse Transmission and	0			0
	Distribution System	0			0
380	Treatment and Disposal Equipment	124,447	3,969		128,416
381	Plant Sewers	156,371			156,371
382	Outfall Sewer Lines	8,821			8,821
389	Other Plant Miscellaneous Equipment	7,567			7,567
390	Office Furniture and Equipment	5,397			5,397
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,135			1,135
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			16,049
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Wastewater Plant	$ 1,077,079	$ 3,969	$ 0	$ 1,081,048

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (f)	.1 INTANGIBLE PLANT (g)	.2 COLLECTION PLANT (h)	.3 SYSTEM PUMPING PLANT (i)	.4 TREATMENT AND DISPOSAL (j)	.5 GENERAL PLANT (h)
351	Organization	$ 947	$ 947	$	$	$	$
352	Franchises	3,806	3,806				
353	Land and Land Rights	93,388		93,388			
354	Structures and Improvements	170,068		170,068			
355	Power Generation Equipment	0		0			
360	Collection Sewers - Force	33,459		33,459			
361	Collection Sewers - Gravity	141,888		141,888			
362	Special Collecting Structures	2,531		2,531			
363	Services to Customers	64,155		64,155			
364	Flow Measuring Devices	1,711		1,711			
365	Flow Measuring Installations	0		0			
366	Reuse Services	0		0			
367	Reuse Meters and Meter Installations	0		0			
370	Receiving Wells	245,339			245,339		
371	Pumping Equipment	0			0		
374	Reuse Distribution Reservoirs	0			0		
375	Reuse Transmission and	0			0		
	Distribution System	0			0		
380	Treatment and Disposal Equipment	128,416				128,416	
381	Plant Sewers	156,371				156,371	
382	Outfall Sewer Lines	8,821				8,821	
389	Other Plant Miscellaneous Equipment	7,567		7,567			
390	Office Furniture and Equipment	5,397					5,3
391	Transportation Equipment	0					
392	Stores Equipment	0					
393	Tools, Shop and Garage Equipment	1,135					1,1
394	Laboratory Equipment	0					
395	Power Operated Equipment	16,049		16,049			
396	Communication Equipment	0					
397	Miscellaneous Equipment	0					
398	Other Tangible Plant	0					
	Total Wastewater Plant	$ 1,081,048	$ 4,753	$ 530,816	$ 245,339	$ 293,608	$ 6,5

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

YEAR OF REPORT
December 31, 2020

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

BASIS FOR WASTEWATER DEPRECIATION CHARGES

ACCT. NO. (a)	ACCOUNT NAME (b)	AVERAGE SERVICE LIFE IN YEARS (c)	AVERAGE NET SALVAGE IN PERCENT (d)	DEPRECIATION RATE APPLIED IN PERCENT (100% - D) / C (e)
351	Organizational	29		3.45%
352	Franchises	3		33.33%
354	Structures and Improvements	27		3.70%
360	Collection Sewers - Force	27		3.70%
361	Collection Sewers - Gravity	40		2.50%
362	Special Collecting Structures	37		2.70%
363	Services to Customers	35		2.86%
364	Flow Measuring Devices	17		5.88%
365	Flow Measuring Installations			
366	Reuse Services			
367	Reuse Meters and Meter Installations			
370	Receiving Wells	18		5.56%
371	Pumping Equipment			
375	Reuse Transmission and Distribution System			
380	Treatment and Disposal Equipment	15		6.67%
382	Used Plant #3	15		6.67%
389	Other Plant Miscellaneous Equipment	35		2.86%
390	Office Furniture and Equipment	6		16.67%
391	Transportation Equipment			
392	Stores Equipment			
393	Tools, Shop and Garage Equipment	15		6.67%
394	Laboratory Equipment			
395	Tractor & Mower	10		10.00%
396	Communication Equipment			
397	Miscellaneous Equipment			
398	Other Tangible Plant			
Wastewater Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
351	Organizational	$ 845	$ 23	$	$ 23
352	Franchises	3,805			0
354	Structures and Improvements	131,807	5,668		5,668
355	Power Generation Equipment				0
360	Collection Sewers - Force	34,139	769		769
361	Collection Sewers - Gravity	105,513	3,153		3,153
362	Special Collecting Structures	2,532			0
363	Services to Customers	54,810	3,300		3,300
364	Flow Measuring Devices	1,710			0
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	239,453	5,886		5,886
371	Pumping Equipment	0			0
375	Reuse Transmission and Distribution System	0			0
380	Treatment and Disposal Equipment	124,447	3,969		3,969
381	Plant Sewers	157,121	1,640		1,640
382	Outfall Sewer Lines	8,173	588		588
389	Other Plant Miscellaneous Equipment	7,058	420		420
390	Office Furniture and Equipment	5,396			0
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,134			0
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			0
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Depreciable Wastewater Plant in Service	$ 893,992	$ 25,416	$ 0	$ 25,416

* Specify nature of transaction.
Use ( ) to denote reversal entries.

S-6(a) REVISED
GROUP _____

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
354	Structures and Improvements	$	$	$	$ 0	$ 868
					0	3,805
354	Structures and Improvements	$	$	$	0	137,475
355	Power Generation Equipment				0	0
360	Collection Sewers - Force				0	34,908
361	Collection Sewers - Gravity				0	108,666
362	Special Collecting Structures				0	2,532
363	Services to Customers				0	58,110
364	Flow Measuring Devices				0	1,710
365	Flow Measuring Installations				0	0
366	Reuse Services				0	0
367	Reuse Meters and Meter Installations				0	0
370	Receiving Wells				0	245,339
371	Pumping Equipment				0	0
375	Reuse Transmission and Distribution System				0	0
380	Treatment and Disposal Equipment				0	128,416
381	Plant Sewers				0	158,761
382	Outfall Sewer Lines				0	8,761
389	Other Plant Miscellaneous Equipment				0	7,478
390	Office Furniture and Equipment				0	5,396
391	Transportation Equipment				0	0
392	Stores Equipment				0	0
393	Tools, Shop and Garage Equipment				0	1,134
394	Laboratory Equipment				0	0
395	Power Operated Equipment				0	16,049
396	Communication Equipment				0	0
397	Miscellaneous Equipment				0	0
398	Other Tangible Plant				0	0
Total Depreciable Wastewater Plant in Service		$ 0	$ 0	$ 0	$ 0	$ 919,408

* Specify nature of transaction.
Use ( ) to denote reversal entries.

YEAR OF REPORT
December 31, 2020

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WASTEWATER (c)
Balance first of year		$ 549,840
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	S-8(a)	$ 0
Contributions received from Developer or Contractor Agreements in cash or property	S-8(a)	
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 549,840

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2020

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
		$	$
Impact Fee	0		0
Impact Fee			0
Total Credits			$ 0

ACCUMULATED AMORTIZATION OF WASTEWATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WASTEWATER (b)
Balance first of year	$ 527,088
Debits during the year:	
Accruals charged to Account 272	$ 11,376
Other debits (specify)	
Rounding	
Total debits	$ 11,376
Credits during the year (specify)	
	$
Total credits	$ 0
Balance end of year	$ 538,464

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	WASTEWATER SALES			
	Flat Rate Revenues:			
521.1	Residential Revenues			$
521.2	Commercial Revenues			
521.3	Industrial Revenues			
521.4	Revenues From Public Authorities			
521.5	Multiple Family Dwelling Revenues			
521.6	Other Revenues			
521	Total Flat Rate Revenues	0	0	$ 0
	Measured Revenues:			
522.1	Residential Revenues	261	262	154,890
522.2	Commercial Revenues	39	40	65,214
522.3	Industrial Revenues			
522.4	Revenues From Public Authorities			
522.5	Multiple Family Dwelling Revenues			
522	Total Measured Revenues	300	302	$ 220,104
523	Revenues From Public Authorities			
524	Revenues From Other Systems			
525	Interdepartmental Revenues			
	Total Wastewater Sales	300	302	$ 220,104
	OTHER WASTEWATER REVENUES			
530	Guaranteed Revenues			$
531	Sale of Sludge			
532	Forfeited Discounts			
534	Rents From Wastewater Property			
535	Interdepartmental Rents			
536	Other Wastewater Revenues (Including Allowance for Funds Prudently Invested or AFPI)			
	Total Other Wastewater Revenues			$ 0

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	RECLAIMED WATER SALES			
	Flat Rate Reuse Revenues:			
540.1	Residential Reuse Revenues			$
540.2	Commercial Reuse Revenues			
540.3	Industrial Reuse Revenues			
540.4	Reuse Revenues From Public Authorities			
540.5	Other Revenues			
540	Total Flat Rate Reuse Revenues			$ 0
	Measured Reuse Revenues:			
541.1	Residential Reuse Revenues			
541.2	Commercial Reuse Revenues			
541.3	Industrial Reuse Revenues			
541.4	Reuse Revenues From Public Authorities			
541	Total Measured Reuse Revenues			$ 0
544	Reuse Revenues From Other Systems			
	Total Reclaimed Water Sales			$ 0
	Total Wastewater Operating Revenues			$ 220,104

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 COLLECTION EXPENSES-OPERATIONS (d)	.2 COLLECTION EXPENSES-MAINTENANCE (e)	.3 PUMPING EXPENSES - OPERATIONS (f)	.4 PUMPING EXPENSES MAINT (g)	
701	Salaries and Wages - Employees	$ 32,400	$ 8,100		8,100		-
703	Salaries and Wages - Officers, Directors and Majority Stockholders	24,000					-
704	Employee Pensions and Benefits	4,320	1,080		1,080		-
710	Purchased Sewage Treatment						-
711	Sludge Removal Expense	15,250					-
715	Purchased Power	20,722	10,361		10,361		-
716	Fuel for Power Production						-
718	Chemicals	10,328	10,328				-
720	Materials and Supplies						-
731	Contractual Services-Engineering	1,825	913		913		-
732	Contractual Services - Accounting						-
733	Contractual Services - Legal						-
734	Contractual Services - Mgt. Fees	38,682					-
735	Contractual Services - Testing	480					-
736	Contractual Services - Other	380	190		190		-
741	Rental of Building/Real Property	7,200					-
742	Rental of Equipment						-
750	Transportation Expenses						-
756	Insurance - Vehicle						-
757	Insurance - General Liability	4,560	1,140		1,140		-
758	Insurance - Workman's Comp.						-
759	Law Suit Settlement						-
760	Advertising Expense						-
766	Regulatory Commission Expenses - Amortization of Rate Case Expense						-
767	Regulatory Commission Exp.-Other						-
770	Bad Debt Expense						-
775	Miscellaneous Expenses	28,722	2,208	377	3,807	13690	-
	Total Wastewater Utility Expenses	$ 188,869	$ 34,320	$ 377	$	$	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)	.9 RECLAIMED WATER TREATMENT EXPENSES-OPERATIONS (l)
701	Salaries and Wages - Employees	$ 8,100		8,100
703	Salaries and Wages - Officers, Directors and Majority Stockholders			
704	Employee Pensions and Benefits	1,080		1,080
710	Purchased Sewage Treatment			
711	Sludge Removal Expense			15,250
715	Purchased Power			
716	Fuel for Power Purchased			
718	Chemicals			
720	Materials and Supplies		0	
731	Contractual Services-Engineering			
732	Contractual Services - Accounting		0	
733	Contractual Services - Legal		0	
734	Contractual Services - Mgt. Fees	34,814	3,868	
735	Contractual Services - Testing			
736	Contractual Services - Other			
741	Rental of Building/Real Property	5,760	1,440	
742	Rental of Equipment			
750	Transportation Expenses			
756	Insurance - Vehicle			
757	Insurance - General Liability	1,140		1,140
758	Insurance - Workman's Comp.			
759	Law Suit Settlement		0	
760	Advertising Expense			
766	Regulatory Commission Expenses - Amortization of Rate Case Expense			
767	Regulatory Commission Exp.-Other			
770	Bad Debt Expense	624		
775	Miscellaneous Expenses	4320		
	Total Wastewater Utility Expenses	$ 55,838	$ 5,308	$ 25,570

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CALCULATION OF THE WASTEWATER SYSTEM METER EQUIVALENTS

WATER METER SIZE (a)	TYPE OF WATER METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential		1.0		
5/8"	Displacement	1.0	253	253
3/4"	Displacement	1.5		
1"	Displacement	2.5	17	43
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
	Total Wastewater System Meter Equivalents			368

CALCULATION OF THE WASTEWATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one wastewater equivalent residential connection (ERC).

Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:

ERC = (Total SFR gallons treated (Omit 000) / 365 days / 280 gallons per day)

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated.

Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

ERC Calculation:

17,727,189 gallons sold / 305 average SFR Customers / 365 days 159

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity		81,000 Total	
Basis of Permit Capacity (1)			
Manufacturer	McNeil	Marlof	
Type (2)	Concrete	Concrete	
Hydraulic Capacity	65,000	50,000	
Average Daily Flow	30,000	30,000	
Total Gallons of Wastewater Treated	10,950,000	10,950,000	
Method of Effluent Disposal		Spray Field	

(1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

(2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present number of ERCs* now being served 218
2. Maximum number of ERCs* which can be served 275
3. Present system connection capacity (in ERCs*) using existing lines 57
4. Future connection capacity (in ERCs*) upon service area buildout 275
5. Estimated annual increase in ERCs* 1
6. Describe any plans and estimated completion dates for any enlargements or improvements of this system
NONE
7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A
8. If the utility does not engage in reuse, has a reuse feasibility study been completed? NO
   If so, when?
9. Has the utility been required by the DEP or water management district to implement reuse? NO
   If so, what are the utility's plans to comply with this requirement?
10. When did the company last file a capacity analysis report with the DEP? N/A
11. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? N/A
    c. When will construction begin?
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO
12. Department of Environmental Protection ID # FLA010699-001

* An ERC is determined based on the calculation on S-11.

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Water Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ___ 2019

(a)	(b)	(c)	(d)
Accounts	**Gross Water Revenues Per Sch. W-9**	**Gross Water Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Unmetered Water Revenues (460)	$	$	$
Total Metered Sales (461.1 - 461.5)	181,541	181,541	
Total Fire Protection Revenue (462.1 - 462.2)			
Other Sales to Public Authorities (464)			
Sales to Irrigation Customers (465)			
Sales for Resale (466)			
Interdepartmental Sales (467)			
Total Other Water Revenues (469 - 474)	2,781	2,781	
Total Water Operating Revenue	184,322	184,322	$
LESS: Expense for Purchased Water from FPSC-Regulated Utility			
Net Water Operating Revenues	184,322	184,322	0

Explanations:

Instructions:
For the current year, reconcile the gross water revenues reported on Schedule W-9 with the gross water revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Wastewater Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ___ 2018

(a)	(b)	(c)	(d)
Accounts	**Gross Wastewater Revenues Per Sch. S-9**	**Gross Wastewater Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Total Flat-Rate Revenues (521.1 - 521.6)	$	$	$
Total Measured Revenues (522.1 - 522.5)	220,104	220,104	
Revenues from Public Authorities (523)			
Revenues from Other Systems (524)			
Interdepartmental Revenues (525)			
Total Other Wastewater Revenues (530 - 536)			
Reclaimed Water Sales (540.1 - 544)			
Total Wastewater Operating Revenue	220,104	220,104	$
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility			
Net Wastewater Operating Revenues	220,104	220,104	0

Explanations:

Instructions:
For the current year, reconcile the gross wastewater revenues reported on Schedule S-9 with the gross wastewater revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

CLASS A / B ANNUAL REPORT

NAME OF UTILITY:	Tradewinds Utilities, Inc
YEAR OF REPORT:	December 31, 2021

RECEIVED
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DIVISION OF
ACCOUNTING & FINANCE

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Water Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ___ 2021

(a)	(b)	(c)	(d)
Accounts	**Gross Water Revenues Per Sch. W-9**	**Gross Water Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Unmetered Water Revenues (460)	$	$	$
Total Metered Sales (461.1 - 461.5)	178,464	178,464	
Total Fire Protection Revenue (462.1 - 462.2)			
Other Sales to Public Authorities (464)			
Sales to Irrigation Customers (465)			
Sales for Resale (466)			
Interdepartmental Sales (467)			
Total Other Water Revenues (469 - 474)	3,402	3,402	
Total Water Operating Revenue	181,866	181,866	$
LESS: Expense for Purchased Water from FPSC-Regulated Utility			
Net Water Operating Revenues	181,866	181,866	0

Explanations:

Instructions:
For the current year, reconcile the gross water revenues reported on Schedule W-9 with the gross water revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Wastewater Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ___ 2021

(a)	(b)	(c)	(d)
Accounts	**Gross Wastewater Revenues Per Sch. S-9**	**Gross Wastewater Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Total Flat-Rate Revenues (521.1 - 521.6)	$	$	$
Total Measured Revenues (522.1 - 522.5)	212,864	212,864	
Revenues from Public Authorities (523)			
Revenues from Other Systems (524)			
Interdepartmental Revenues (525)			
Total Other Wastewater Revenues (530 - 536)			
Reclaimed Water Sales (540.1 - 544)			
Total Wastewater Operating Revenue	212,864	212,864	$
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility			
Net Wastewater Operating Revenues	212,864	212,864	0

Explanations:

Instructions:
For the current year, reconcile the gross wastewater revenues reported on Schedule S-9 with the gross wastewater revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

CLASS "A" OR "B"

WATER AND/OR WASTEWATER UTILITIES
(Gross Revenue of More Than $200,000 Each)

ANNUAL REPORT

OF

Tradewinds Utilities, Inc
PO Box 5220
Ocala, FL 34478-5220

WS350
Certificate Number(s)

Submitted To The

STATE OF FLORIDA

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED December 31, 2021

Form PSC/ECR 003-W (Rev. 12/99)

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GENERAL INSTRUCTIONS

1. Prepare this report in conformity with the 1996 National Association of Regulatory Utility Commissioners Uniform System of Accounts for Water and/or Wastewater Utilities (USOA).

2. Interpret all accounting words and phrases in accordance with the USOA.

3. Complete each question fully and accurately, even if it has been answered in a previous annual report. Enter the word "None" where it truly and completely states the fact.

4. For any question, section, or page which is not applicable to the respondent, enter the words "Not Applicable". Do not omit any pages.

5. Where dates are called for, the month and day should be stated as well as the year.

6. All schedules requiring dollar entries should be rounded to the nearest dollar unless otherwise specifically indicated.

7. Complete this report by means which result in a permanent record, such as by computer or typewriter.

8. If there is not enough room on any schedule, an additional page or pages may be added; provided the format of the added schedule matches the format of the schedule with not enough room. Such a schedule should reference the appropriate schedules, state the name of the utility, and state the year of the report.

9. If it is necessary or desirable to insert additional statements for the purpose of further explanation of schedules, such statement should be made at the bottom of the page or an additional page inserted. Any additional pages should state the name of the utility, the year of the report, and reference the appropriate schedule.

10. For water and wastewater utilities with more than one rate group and/or system, water and wastewater pages should be completed for each rate group and/or system group. These pages should be grouped together and tabbed by rate group and/or system.

11. All other water and wastewater operations not regulated by the Commission and other regulated industries should be reported as "Other than Reporting Systems".

12. Financial information for multiple systems charging rates which are covered under the same tariff should be reported as one system. However, the engineering data must be reported by individual system.

13. For water and wastewater utilities with more than one system, one (1) copy of workpapers showing the consolidation of systems for the operating sections, should be filed with the annual report.

14. The report should be filled out in quadruplicate and the original and two copies returned by March 31, of the year following the date of the report. The report should be returned to:

Florida Public Service Commission
Division of Economic Regulation
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

The fourth copy should be retained by the utility.

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
EXECUTIVE SUMMARY			
Certification	E-1	Business Contracts with Officers, Directors and Affiliates	E-7
General Information	E-2	Affiliation of Officers and Directors	E-8
Directory of Personnel Who Contact the FPSC	E-3	Businesses which are a Byproduct, Coproduct or Joint Product Result of Providing Service	E-9
Company Profile	E-4	Business Transactions with Related Parties. Part I and II	E-10
Parent / Affiliate Organization Chart	E-5		
Compensation of Officers & Directors	E-6		
FINANCIAL SECTION			
Comparative Balance Sheet - Assets and Other Debits	F-1	Unamortized Debt Discount / Expense / Premium	F-13
Comparative Balance Sheet - Equity Capital and Liabilities	F-2	Extraordinary Property Losses	F-13
Comparative Operating Statement	F-3	Miscellaneous Deferred Debits	F-14
Year End Rate Base	F-4	Capital Stock	F-15
Year End Capital Structure	F-5	Bonds	F-15
Capital Structure Adjustments	F-6	Statement of Retained Earnings	F-16
Utility Plant	F-7	Advances from Associated Companies	F-17
Utility Plant Acquisition Adjustments	F-7	Other Long Term Debt	F-17
Accumulated Depreciation	F-8	Notes Payable	F-18
Accumulated Amortization	F-8	Accounts Payable to Associated Companies	F-18
Regulatory Commission Expense - Amortization of Rate Case Expense	F-9	Accrued Interest and Expense	F-19
Nonutility Property	F-9	Miscellaneous Current & Accrued Liabilities	F-20
Special Deposits	F-9	Advances for Construction	F-20
Investments and Special Funds	F-10	Other Deferred Credits	F-21
Accounts and Notes Receivable - Net	F-11	Contributions In Aid of Construction	F-22
Accounts Receivable from Associated Companies	F-12	Accumulated Amortization of CIAC	F-22
Notes Receivable from Associated Companies	F-12	Reconciliation of Reported Net Income with Taxable Income for Federal Income Taxes	F-23
Miscellaneous Current & Accrued Assets	F-12		

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
WATER OPERATION SECTION			
Water Listing of System Groups	W-1	CIAC Additions / Amortization	W-8
Year End Water Rate Base	W-2	Water Operating Revenue	W-9
Water Operating Statement	W-3	Water Utility Expense Accounts	W-10
Water Utility Plant Accounts	W-4	Pumping and Purchased Water Statistics, Source Supply	W-11
Basis for Water Depreciation Charges	W-5	Water Treatment Plant Information	W-12
Analysis of Entries in Water Depreciation Reserve	W-6	Calculation of ERC's	W-13
Contributions In Aid of Construction	W-7	Other Water System Information	W-14
WASTEWATER OPERATION SECTION			
Wastewater Listing of System Groups	S-1	Contributions In Aid of Construction	S-7
Year End Wastewater Rate Base	S-2	CIAC Additions / Amortization	S-8
Wastewater Operating Statement	S-3	Wastewater Operating Revenue	S-9
Wastewater Utility Plant Accounts	S-4	Wastewater Utility Expense Accounts	S-10
Basis for Wastewater Depreciation Charges	S-5	Calculation of ERC's	S-11
Analysis of Entries in Wastewater Depreciation Reserve	S-6	Wastewater Treatment Plant Information	S-12
		Other Wastewater System Information	S-13

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EXECUTIVE SUMMARY

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UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2021

CERTIFICATION OF ANNUAL REPORT

I HEREBY CERTIFY, to the best of my knowledge and belief:

YES	NO		
X		1.	The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission.
X		2.	The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.
X		3.	There have been no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices that could have a material effect on the the financial statement of the utility.
X		4.	The annual report fairly represents the financial condition and results of operations of the respondent for the period presented and other information and statements presented in the the report as to the business affairs of the respondent are true, correct and complete for the period for which it represents.

Items Certified

1.	2.	3.	4.
X	X	X	X

Charles de Menezes

(Signature of Chief Executive Officer of the utility) *

1.	2.	3.	4.

(Signature of Chief Financial Officer of the utility) *

* Each of the four items must be certified YES or NO. Each item need not be certified by both officers. The items being certified by the officer should be indicated in the appropriate area to the left of the signature.

NOTICE: Section 837.06, Florida Statutes, provides that any person who knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his duty shall be guilty of a misdemeanor of the second degree.

ANNUAL REPORT OF

YEAR OF REPORT
December 31, 2021

Tradewinds Utilities, Inc — County: Marion

(Exact Name of Utility)

List below the exact mailing address of the utility for which normal correspondence should be sent:
PO Box 5220
Ocala, FL 34478-5220

Telephone: 352 622-4949
E Mail Address: charlie@altfo.com
WEB Site:

Sunshine State One-Call of Florida, Inc. Member Number MIR598

Name and address of person to whom correspondence concerning this report should be addressed:
Charles deMenzes
PO Box 5220
Ocala, FL 34478
Telephone: 352 622-4949

List below the address of where the utility's books and records are located:
1552 SW 7th Road
Ocala, FL 34470

Telephone: 352 622-4949

List below any groups auditing or reviewing the records and operations:

Date of original organization of the utility: February 11, 1983

Check the appropriate business entity of the utility as filed with the Internal Revenue Service

Individual	Partnership	Sub S Corporation	1120 Corporation
		X	

List below every corporation or person owning or holding directly or indirectly 5% or more of the voting securities of the utility:

	Name	Percent Ownership
1.	Charles deMenzes Revocable Trust	100%

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

DIRECTORY OF PERSONNEL WHO CONTACT THE FLORIDA PUBLIC SERVICE COMMISSION

NAME OF COMPANY REPRESENTATIVE (1)	TITLE OR POSITION (2)	ORGANIZATIONAL UNIT TITLE (3)	USUAL PURPOSE FOR CONTACT WITH FPSC
Charles deMenzes	President	Tradewinds Utilities, Inc.	All Utility Matters
Deborah Dillon	Vice President	Tradewinds Utilities, Inc.	All Utility Matters

(1) Also list appropriate legal counsel, accountants and others who may not be on general payroll.
(2) Provide individual telephone numbers if the person is not normally reached at the company.
(3) Name of company employed by if not on general payroll.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPANY PROFILE

Provide a brief narrative company profile which covers the following areas:

A. Brief company history.
B. Public services rendered.
C. Major goals and objectives.
D. Major operating divisions and functions.
E. Current and projected growth patterns.
F. Major transactions having a material effect on operations.

A. The company was organized to provide potable water service to various subdivisions in Marion County

B. The company provides wastewater treatement and distribution services to customers in its certicated area.

C. The primary goal of the Company is to continue rendering quality service to its existing customers.

D. The Company provides water treatement and distribution services, only in Marion County

E. The Company expects to continue an average growth rate of approximately .05%

F. None

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

PARENT / AFFILIATE ORGANIZATION CHART

Current as of December 31, 2021

Complete below an organizational chart that show all parents, subsidiaries and affiliates of the utility.
The chart must also show the relationship between the utility and affiliates listed on E-7, E-10(a) and E-10(b).

Tradewinds Utilities, Inc

MIRA International, Inc

Tradewinds Utilities, Inc and Mira International, Inc have common ownership

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPENSATION OF OFFICERS

For each officer, list the time spent on respondent as an officer compared to time spent on total business activities and the compensation received as an officer from the respondent.

NAME (a)	TITLE (b)	% OF TIME SPENT AS OFFICER OF THE UTILITY (c)	OFFICERS' COMPENSATION (d)
Charles deMenzes	President	60%	$ 60,000
Deborah Dillon	Vice President	60%	$ 40,000

COMPENSATION OF DIRECTORS

For each director, list the number of director meetings attended by each director and the compensation received as a director from the respondent.

NAME (a)	TITLE (b)	NUMBER OF DIRECTORS' MEETINGS ATTENDED (c)	DIRECTORS' COMPENSATION (d)
Charles deMenzes	Chairman/Pres	1	$ 40,000
Deborah Dillon	Sec/Treasurer	1	40,000

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

BUSINESS CONTRACTS WITH OFFICERS, DIRECTORS AND AFFILIATES

List all contracts, agreements, or other business arrangements* entered into during the calendar year (other than compensation related to position with Respondents) between the Respondent and officer and director listed on page E-6. In addition, provide the same information with respect to professional services for each firm, partnership, or organization with which the officer or director is affiliated.

NAME OF OFFICER, DIRECTOR OR AFFILIATE (a)	IDENTIFICATION OF SERVICE OR PRODUCT (b)	AMOUNT (c)	NAME AND ADDRESS OF AFFILIATED ENTITY (d)
MIRA International, Inc	See E-10(a)		

* Business Agreement, for this schedule, shall mean any oral or written business deal which binds the concerned parties for products or services during the reporting year or future years. Although the Respondent and/or other companies will benefit from the arrangement, the officer or director is, however, acting on his behalf or for the benefit of other companies or persons.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

AFFILIATION OF OFFICERS AND DIRECTORS

For each of the officials listed on page E-6, list the principal occupation or business affiliations or connections with any other business or financial organizations, firms, or partnerships. For purposes of this part, an official will be considered to have an affiliation with any business or financial organization, firm or partnership in which he is an officer, director, trustee, partner, or a person exercising similar functions.

NAME (a)	PRINCIPAL OCCUPATION OR BUSINESS AFFILIATION (b)	AFFILIATION OR CONNECTION (c)	NAME AND ADDRESS OF AFFILIATION OR CONNECTION (d)
Charles deMenzes	Management Company	Chairman/President	MIRA International, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	CFAT, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	BFF Corp 1552 SW 7th Road, Ocala

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

BUSINESSES WHICH ARE A BY-PRODUCT, COPRODUCT OR JOINT-PRODUCT RESULT OF PROVIDING WATER OR WASTEWATER SERVICE

Complete the following for any business which is conducted as a byproduct, coproduct, or joint product as a result of providing water and / or wastewater service. This would include any business which requires the use of utility land and facilities. Examples of these types of businesses would be orange groves, nurseries, tree farms, fertilizer manufacturing, etc. This would not include any business for which the assets are properly included in Account 121 - Nonutility Property along with the associated revenue and expenses segregated out as nonutility also.

	ASSETS		REVENUES		EXPENSES	
BUSINESS OR SERVICE CONDUCTED (a)	BOOK COST OF ASSETS (b)	ACCOUNT NUMBER (c)	REVENUES GENERATED (d)	ACCOUNT NUMBER (e)	EXPENSES INCURRED (f)	ACCOUNT NUMBER (g)
None	$		$		$	

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2021

BUSINESS TRANSACTIONS WITH RELATED PARTIES

List each contract, agreement, or other business transaction exceeding a cumulative amount of $500 in any on year, entered into between the Respondent and a business or financial organization, firm, or partnership named on pages E-2 and E-6, identifying the parties, amounts, dates and product, and asset, or service involved.

Part I. Specific Instructions: Services and Products Received or Provided

1. Enter in this part all transactions involving services and products received or provided.

2. Below are some types of transactions to include:
   - -management, legal and accounting services
   - -computer services
   - -engineering & construction services
   - -repairing and servicing of equipment
   - -material and supplies furnished
   - -leasing of structures, land, and equipment
   - -rental transactions
   - -sale, purchase or transfer of various products

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION SERVICE AND/OR NAME OF PRODUCT (b)	CONTRACT OR AGREEMENT EFFECTIVE DATES (c)	ANNUAL CHARGES (P)urchased (S)old (d)	ANNUAL CHARGES AMOUNT (e)
MIRA International, Inc	Billing,Computer Service	On-going	P	$
	Admin Services			33,750
	Payroll, Meter Reading			152,106
	Insurance, Office Space			17,250
	Materials, Supplies			17,860
	Repair, Service Equip			10,124
	Customer Relations			
	Customer Service			
	Annual PSC Reporting			8,000
	Hospitalization Benefits			25,000

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

BUSINESS TRANSACTIONS WITH RELATED PARTIES (Cont'd)

Part II. Specific Instructions: Sale, Purchase and Transfer of Assets

1. Enter in this part all transactions relating to the purchase, sale, or transfer of assets.

2 Below are examples of some types of transactions to include:
- -purchase, sale or transfer of equipment
- -purchase, sale or transfer of land and structures
- -purchase, sale or transfer of securities
- -noncash transfers of assets
- -noncash dividends other than stock dividends
- -write-off of bad debts or loans

3. The columnar instructions follow:

(a) Enter name of related party or company.
(b) Describe briefly the type of assets purchased, sold or transferred.
(c) Enter the total received or paid. Indicate purchase with "P" and sale with "S".
(d) Enter the net book value for each item reported.
(e) Enter the net profit or loss for each item reported. (column (c) - column (d))
(f) Enter the fair market value for each item reported. In space below or in a supplemental schedule, describe the basis used to calculate fair market value.

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION OF ITEMS (b)	SALE OR PURCHASE PRICE (c)	NET BOOK VALUE (d)	GAIN OR LOSS (e)	FAIR MARKET VALUE (f)
None		$	$	$	$

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FINANCIAL SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	UTILITY PLANT			
101-106	Utility Plant	F-7	$ 1,800,513.01	$ 1,806,813.01
108-110	Less: Accumulated Depreciation and Amortization	F-8	1,697,144.48	1,298,360.48
	Net Plant		$ 103,368.53	$ 508,452.53
114-115	Utility Plant Acquisition adjustment (Net)	F-7	-	-
116 *	Other Utility Plant Adjustments			
	Total Net Utility Plant		$ 103,368.53	$ 508,452.53
	OTHER PROPERTY AND INVESTMENTS			
121	Nonutility Property	F-9	$ -	$ -
122	Less: Accumulated Depreciation and Amortization		-	-
	Net Nonutility Property		$ -	$ -
123	Investment in Associated Companies	F-10		
124	Utility Investments	F-10		
125	Other Investments	F-10		
126-127	Special Funds	F-10		
	Total Other Property & Investments		$ -	$ -
	CURRENT AND ACCRUED ASSETS			
131	Cash		$ 8,436.97	$ 5,993.56
132	Special Deposits	F-9	-	-
133	Other Special Deposits	F-9	-	-
134	Working Funds			
135	Temporary Cash Investments			
141-144	Accounts and Notes Receivable, Less Accumulated		(264.83)	(237.49)
	Provision for Uncollectible Accounts	F-11	33,452.85	36,765.24
145	Accounts Receivable from Associated Companies	F-12	12,500.00	22,500.00
146	Notes Receivable from Associated Companies	F-12		
161	Stores Expense			
162	Prepayments			
171	Accrued Interest and Dividends Receivable			
172 *	Rents Receivable			
173 *	Accrued Utility Revenues			
174	Miscellaneous Current and Accrued Assets	F-12		
	Total Current and Accrued Assets		$ 54,124.99	$ 65,021.31

* Not Applicable for Class B Utilities

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED DEBITS			
181	Unamortized Debt Discount & Expense	F-13	$	$
182	Extraordinary Property Losses	F-13		
183	Preliminary Survey & Investigation Charges		-	-
184	Clearing Accounts		-	-
185 *	Temporary Facilities		-	-
186	Miscellaneous Deferred Debits	F-14	-	-
187 *	Research & Development Expenditures		-	-
190	Accumulated Deferred Income Taxes		-	-
	Total Deferred Debits		$ -	$ -
	TOTAL ASSETS AND OTHER DEBITS		$ 157,494	$ 573,474

* Not Applicable for Class B Utilities

NOTES TO THE BALANCE SHEET

The space below is provided for important notes regarding the balance sheet.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	EQUITY CAPITAL			
201	Common Stock Issued	F-15	$ 200	$ 200
204	Preferred Stock Issued	F-15	-	-
202,205 *	Capital Stock Subscribed			
207 *	Premium on Capital Stock			
209 *	Reduction in Par or Stated Value of Capital Stock			
210 *	Gain on Resale or Cancellation of Reacquired Capital Stock			
211	Other Paid - In Capital		476,051	473,551
212	Discount On Capital Stock			
213	Capital Stock Expense			
214-215	Retained Earnings	F-16	(260,981)	(858,630)
216	Reacquired Capital Stock			
218	Proprietary Capital (Proprietorship and Partnership Only)			
	Total Equity Capital		$ 215,270	$ (384,879)
	LONG TERM DEBT			
221	Bonds	F-15		
222 *	Reacquired Bonds			
223	Advances from Associated Companies	F-17	-	-
224	Other Long Term Debt	F-17	418,340	414,840
	Total Long Term Debt		$ 418,340	$ 414,840
	CURRENT AND ACCRUED LIABILITIES			
231	Accounts Payable		1,075	555
232	Notes Payable	F-18		13,900
233	Accounts Payable to Associated Companies	F-18		
234	Notes Payable to Associated Companies	F-18	-	-
235	Customer Deposits		33,453	25,093
236	Accrued Taxes	W/S-3	30,128	21,018
237	Accrued Interest	F-19		
238	Accrued Dividends			
239	Matured Long Term Debt			
240	Matured Interest			
241	Miscellaneous Current & Accrued Liabilities	F-20	581	581
	Total Current & Accrued Liabilities		$ 65,237	$ 61,147

* Not Applicable for Class B Utilities

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED CREDITS			
251	Unamortized Premium On Debt	F-13	$ -	$ -
252	Advances For Construction	F-20	-	-
253	Other Deferred Credits	F-21	-	-
255	Accumulated Deferred Investment Tax Credits			
	Total Deferred Credits		$ -	$ -
	OPERATING RESERVES			
261	Property Insurance Reserve		$	$
262	Injuries & Damages Reserve			
263	Pensions and Benefits Reserve			
265	Miscellaneous Operating Reserves			
	Total Operating Reserves		$	$
	CONTRIBUTIONS IN AID OF CONSTRUCTION			
271	Contributions in Aid of Construction	F-22	$ 882,087	$ 877,923
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	(870,711)	(881,423)
	Total Net C.I.A.C.		$ 11,376	$ (3,500)
	ACCUMULATED DEFERRED INCOME TAXES			
281	Accumulated Deferred Income Taxes - Accelerated Depreciation		$	$
282	Accumulated Deferred Income Taxes - Liberalized Depreciation			
283	Accumulated Deferred Income Taxes - Other			
	Total Accumulated Deferred Income Tax		$ -	$ -
	TOTAL EQUITY CAPITAL AND LIABILITIES		$ 710,223	$ 87,608

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPARATIVE OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR * (e)
	UTILITY OPERATING INCOME			
400	Operating Revenues	F-3(b)	$ 404,426	$ 394,730
469, 530	Less: Guaranteed Revenue and AFPI	F-3(b)	-	-
	Net Operating Revenues		$ 404,426	$ 394,730
401	Operating Expenses	F-3(b)	$ 342,791	$ 348,844
403	Depreciation Expense:	F-3(b)	$ 54,928	$ 34,628
	Less: Amortization of CIAC	F-22	11,376	10,712
	Net Depreciation Expense		$ 43,552	$ 23,916
406	Amortization of Utility Plant Acquisition Adjustment	F-3(b)	-	-
407	Amortization Expense (Other than CIAC)	F-3(b)	-	-
408	Taxes Other Than Income	W/S-3	30,128	21,018
409	Current Income Taxes	W/S-3	-	-
410.10	Deferred Federal Income Taxes	W/S-3	-	-
410.11	Deferred State Income Taxes	W/S-3	-	-
411.10	Provision for Deferred Income Taxes - Credit	W/S-3	-	-
412.10	Investment Tax Credits Deferred to Future Periods	W/S-3	-	-
412.11	Investment Tax Credits Restored to Operating Income	W/S-3	-	-
	Utility Operating Expenses		$ 416,471	$ 393,778
	Net Utility Operating Income		$ (12,045)	$ 952
469, 530	Add Back: Guaranteed Revenue and AFPI	F-3(b)	-	-
413	Income From Utility Plant Leased to Others		-	-
414	Gains (losses) From Disposition of Utility Property		-	(572,560)
420	Allowance for Funds Used During Construction		-	-
	Total Utility Operating Income [Enter here and on Page F-3(c)]		$ (12,045)	$ (571,608)

* For each account, Column e should agree with Columns f, g and h on F-3(b)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	WATER SCHEDULE W-3 * (f)	WASTEWATER SCHEDULE S-3 * (g)	OTHER THAN REPORTING SYSTEMS (h)
	UTILITY OPERATING INCOME			
400	Operating Revenues	$ 181,866	$ 212,864	$
469, 530	Less: Guaranteed Revenue and AFPI	-	$ -	
	Net Operating Revenues	$ 181,866	$ 212,864	$ -
401	Operating Expenses	$ 144,114	$ 204,730	$
403	Depreciation Expense:	29,512	$ 5,116	
	Less: Amortization of CIAC	3,500	$ 7,212	
	Net Depreciation Expense	$ 26,012	$ (2,096)	$ -
406	Amortization of Utility Plant Acquisition Adjustment	-	$ -	
407	Amortization Expense (Other than CIAC)	-	$ -	
408	Taxes Other Than Income	9,660	$ 11,358	
409	Current Income Taxes	-	$ -	
410.10	Deferred Federal Income Taxes	-	$ -	
410.11	Deferred State Income Taxes	-	$ -	
411.10	Provision for Deferred Income Taxes - Credit	-	$ -	
412.10	Investment Tax Credits Deferred to Future Periods	-	$ -	
412.11	Investment Tax Credits Restored to Operating Income	-	$ -	
	Utility Operating Expenses	$ 179,786	$ 213,992	$ -
	Net Utility Operating Income	$ 2,080	$ (1,128)	$ -
469, 530	Add Back: Guaranteed Revenue and AFPI	-	$ -	
413	Income From Utility Plant Leased to Others	-	$ -	
414	Gains (losses) From Disposition of Utility Property	-	$ (572,560)	
420	Allowance for Funds Used During Construction	-	$	
	Total Utility Operating Income [Enter here and on Page F-3(c)]	$ 2,080	$ (573,688)	$ -

* Total of Schedules W-3 / S-3 for all rate groups.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
Total Utility Operating Income [from page F-3(a)]			$ (12,045)	$ (571,608)
	OTHER INCOME AND DEDUCTIONS			
415	Revenues-Merchandising, Jobbing, and Contract Deductions		$	$
416	Costs & Expenses of Merchandising Jobbing, and Contract Work			
419	Interest and Dividend Income			
421	Nonutility Income			
426	Miscellaneous Nonutility Expenses			
	Total Other Income and Deductions		$ -	$ -
	TAXES APPLICABLE TO OTHER INCOME			
408.20	Taxes Other Than Income		$	$
409.20	Income Taxes			
410.20	Provision for Deferred Income Taxes			
411.20	Provision for Deferred Income Taxes - Credit			
412.20	Investment Tax Credits - Net			
412.30	Investment Tax Credits Restored to Operating Income			
	Total Taxes Applicable To Other Income		$ -	$ -
	INTEREST EXPENSE			
427	Interest Expense	F-19	$	$ -
428	Amortization of Debt Discount & Expense	F-13		
429	Amortization of Premium on Debt	F-13		
	Total Interest Expense		$ -	$ -
	EXTRAORDINARY ITEMS			
433	Extraordinary Income		$	$
434	Extraordinary Deductions			
409.30	Income Taxes, Extraordinary Items			
	Total Extraordinary Items		$ -	$ -
	NET INCOME		$ (12,045)	$ (571,608)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SCHEDULE OF YEAR END RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	WATER UTILITY (d)	WASTEWATER UTILITY (e)
101	Utility Plant In Service	F-7	$ 1,274,008	$ 532,805
	Less: Nonused and Useful Plant (1)		-	
108	Accumulated Depreciation	F-8	807,249	491,111
110	Accumulated Amortization	F-8	-	-
271	Contributions in Aid of Construction	F-22	335,747	545,676
252	Advances for Construction	F-20	-	
	Subtotal		$ 131,011	$ (503,982)
272	Add: Accumulated Amortization of Contributions in Aid of Construction	F-22	335,747	545,676
	Subtotal		$ 466,758	$ 41,694
114	Plus or Minus: Acquisition Adjustments (2)	F-7	-	-
115	Accumulated Amortization of Acquisition Adjustments (2)	F-7	-	-
	Working Capital Allowance (3)		18,014	25,591
105	Other (Specify): Construction in Process		-	-
	RATE BASE		$ 484,773	$ 67,285
	NET UTILITY OPERATING INCOME		$ 2,080	$ (573,688)
	ACHIEVED RATE OF RETURN (Operating Income / Rate Base)		0.43%	-852.62%

NOTES :

(1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

UTILITY PLANT
ACCOUNTS 101 - 106

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
	Plant Accounts:				
101	Utility Plant In Service	$ 1,274,008	$ 532,805	$	$ 1,806,813
102	Utility Plant Leased to Other				-
103	Property Held for Future Use				-
104	Utility Plant Purchased or Sold				-
105	Construction Work in Progress	-			-
106	Completed Construction Not Classified				-
	Total Utility Plant	$ 1,274,008	$ 532,805	$ -	$ 1,806,813

UTILITY PLANT ACQUISITION ADJUSTMENTS
ACCOUNTS 114 AND 115

Report each acquisition adjustment and related accumulated amortization separately.
For any acquisition adjustments approved by the Commission, include the Order Number.

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
114	Acquisition Adjustment	$			$ -
					-
					-
Total Plant Acquisition Adjustments		$ -	$ -	$ -	$ -
115	Accumulated Amortization	$			$ -
					-
					-
					-
					-
Total Accumulated Amortization		$ -	$ -	$ -	$ -
Net Acquisition Adjustments		$ -	$ -	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

ACCUMULATED DEPRECIATION (ACCT. 108) AND AMORTIZATION (ACCT. 110)

DESCRIPTION (a)	WATER (b)	WASTEWATER (c)	OTHER THAN REPORTING SYSTEMS (d)	TOTAL (e)
ACCUMULATED DEPRECIATION Account 108				
Balance first of year	$ 777,737	$ 485,995	$ -	$ 1,263,732
Credit during year:				
Accruals charged to:				
Account 108.1 (1)	$ 29,512	$ 5,116	$	$ 34,628
Account 108.2 (2)				-
Account 108.3 (2)				-
Other Accounts (specify):				-
				-
Salvage				-
Other Credits (Specify):				-
				-
Total Credits	$ 29,512	$ 5,116	$ -	$ 34,628
Debits during year:				
Book cost of plant retired	-	-		-
Cost of Removal				-
Other Debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ 807,249	$ 491,111	$ -	$ 1,298,360
ACCUMULATED AMORTIZATION Account 110				
Balance first of year	$	$	$	$ -
Credit during year:				
ccruals charged to:				
	$	$	$	$ -
Account 110.2 (3)				-
Other Accounts (specify):				-
				-
Total credits	$ -	$ -	$ -	$ -
Debits during year:				
Book cost of plant retired				-
Other debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ -	$ -	$ -	$ -

(1) Account 108 for Class B utilities.

(2) Not applicable for Class B utilities.

(3) Account 110 for Class B utilities.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

REGULATORY COMMISSION EXPENSE
AMORTIZATION OF RATE CASE EXPENSE (ACCOUNTS 666 AND 766)

DESCRIPTION OF CASE (DOCKET NO.) (a)	EXPENSE INCURRED DURING YEAR (b)	CHARGED OFF DURING YEAR	
		ACCT. (d)	AMOUNT (e)
None	$		$
Total	$		$

NONUTILITY PROPERTY (ACCOUNT 121)

Report separately each item of property with a book cost of $25,000 or more included in Account 121.
Other Items may be grouped by classes of property.

DESCRIPTION (a)	BEGINNING YEAR (b)	ADDITIONS (c)	REDUCTIONS (d)	ENDING YEAR BALANCE (e)
None	$	$	$	$
Total Nonutility Property	$ -	$ -	$ -	$ -

SPECIAL DEPOSITS (ACCOUNTS 132 AND 133)

Report hereunder all special deposits carried in Accounts 132 and 133.

DESCRIPTION OF SPECIAL DEPOSITS (a)	YEAR END BOOK COST (b)
SPECIAL DEPOSITS (Account 132):	
Total Special Deposits	$ -
OTHER SPECIAL DEPOSITS (Account 133):	
Total Other Special Deposits	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

INVESTMENTS AND SPECIAL FUNDS
ACCOUNTS 123 - 127

Report hereunder all investments and special funds carried in Accounts 123 through 127.

DESCRIPTION OF SECURITY OR SPECIAL FUND (a)	FACE OR PAR VALUE (b)	YEAR END BOOK COST (c)
INVESTMENT IN ASSOCIATED COMPANIES (Account 123):	$	$
None		
Total Investment in Associated Companies		$
UTILITY INVESTMENTS (Account 124):	$	$
None		
Total Utility Investment		$
OTHER INVESTMENTS (Account 125):	$	$
None		
Total Other Investment		$
SPECIAL FUNDS (Class A Utilities: Accounts 126 and 127; Class B Utilities: Account 127):		$
None		
Total Special Funds		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

ACCOUNTS AND NOTES RECEIVABLE - NET
ACCOUNTS 141 - 144

Report hereunder all accounts and notes receivable included in Accounts 141, 142, and 144. Amounts included in Amounts included in Accounts 142 and 144 should be listed individually.

DESCRIPTION (a)		TOTAL (b)
CUSTOMER ACCOUNTS RECEIVABLE (Account 141):		
Water & Wastewater	$ 36,125	
Other	22,500	
Total Customer Accounts Receivable		$ 58,625
OTHER ACCOUNTS RECEIVABLE (Account 142):		
Employee accounts receivable	$	
Total Other Accounts Receivable		$ -
NOTES RECEIVABLE (Account 144):		
	$	
None		
Total Notes Receivable		$ -
Total Accounts and Notes Receivable		$ 58,625
ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (Account 143)		
Balance first of year	$	
Add: Provision for uncollectibles for current year	$	
Collection of accounts previously written off		
Utility Accounts		
Others		
Total Additions	$ -	
Deduct accounts written off during year:		
Utility Accounts		
Others		
Total accounts written off	$ -	
Balance end of year		$ -
TOTAL ACCOUNTS AND NOTES RECEIVABLE - NET		$ 58,625

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 145

Report each account receivable from associated companies separately.

DESCRIPTION (a)	TOTAL (b)
	$
Due From BFF Corp	12,500
Due FromCFAT	10,000
Total	$ 22,500

NOTES RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 146

Report each note receivable from associated companies separately.

DESCRIPTION (a)	INTEREST RATE (b)	TOTAL (c)
	%	$
Due from BFF	%	
	%	
	%	
	%	
Total		$

MISCELLANEOUS CURRENT AND ACCRUED ASSETS
ACCOUNT 174

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
	$
None	
Total Miscellaneous Current and Accrued Liabilities	$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT ACCOUNTS 181 AND 251

Report the net discount and expense or premium separately for each security issue.

DESCRIPTION (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
UNAMORTIZED DEBT DISCOUNT AND EXPENSE (Account 181):	$	$
Unamortized Debt Discount	1,046	
Total Unamortized Debt Discount and Expense	$ 1,046	$
UNAMORTIZED PREMIUM ON DEBT (Account 251):	$	$
None		
Total Unamortized Premium on Debt	$	$ -

EXTRAORDINARY PROPERTY LOSSES ACCOUNT 182

Report each item separately.

DESCRIPTION (a)	TOTAL (b)
	$
None	
Total Extraordinary Property Losses	$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

MISCELLANEOUS DEFERRED DEBITS
ACCOUNT 186

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
DEFERRED RATE CASE EXPENSE (Class A Utilities: Account 186.1)		
	$	$
Total Deferred Rate Case Expense	$ -	$ -
OTHER DEFERRED DEBITS (Class A Utilities: Account 186.2):		
	$	
Total Other Deferred Debits	$ -	$ -
REGULATORY ASSETS (Class A Utilities: Account. 186.3):		
	$	$
Total Regulatory Assets	$ -	$ -
TOTAL MISCELLANEOUS DEFERRED DEBITS	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

CAPITAL STOCK
ACCOUNTS 201 AND 204*

DESCRIPTION (a)	RATE (b)	TOTAL (c)
COMMON STOCK		
Par or stated value per share	%	$ 1
Shares authorized		200
Shares issued and outstanding		200
Total par value of stock issued	%	$ 200
Dividends declared per share for year	%	$ -
PREFERRED STOCK		
Par or stated value per share	None %	$
Shares authorized		
Shares issued and outstanding		
Total par value of stock issued	%	$
Dividends declared per share for year	%	$

* Account 204 not applicable for Class B utilities.

BONDS
ACCOUNT 221

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

STATEMENT OF RETAINED EARNINGS

1. Dividends should be shown for each class and series of capital stock. Show amounts as dividends per share.
2. Show separately the state and federal income tax effect of items shown in Account No. 439.

ACCT. NO. (a)	DESCRIPTION (b)	AMOUNTS (c)
215	Unappropriated Retained Earnings:	
	Balance Beginning of Year	$ (260,979)
	Changes to Account:	
439	Adjustments to Retained Earnings (requires Commission approval prior to use):	
	Credits:	$
	Total Credits:	$ -
	Debits:	$
	Total Debits:	$ -
435	Balance Transferred from Income	$ (597,651)
436	Appropriations of Retained Earnings:	
	Total Appropriations of Retained Earnings	$ -
	Dividends Declared:	
437	Preferred Stock Dividends Declared	
438	Common Stock Dividends Declared — Shareholder Distributions	
	Total Dividends Declared	$ -
215	Year end Balance	$ (858,630)
214	Appropriated Retained Earnings (state balance and purpose of each appropriated amount at year end):	
214	Total Appropriated Retained Earnings	$ -
Total Retained Earnings		$ (858,630)
Notes to Statement of Retained Earnings:		

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

ADVANCES FROM ASSOCIATED COMPANIES
ACCOUNT 223

Report each advance separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$ -

OTHER LONG-TERM DEBT
ACCOUNT 224

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
Regions Bank LC	6.50 %	Var	17,840
Stockholder Loan	0.00 %		397,000
Total			$ 414,840

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

NOTES PAYABLE
ACCOUNTS 232 AND 234

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
NOTES PAYABLE (Account 232):			
	%		$
SBA Loan		13,900	13,900
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 232			$ 13,900
NOTES PAYABLE TO ASSOC. COMPANIES (Account 234):			
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 234			$ -

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES
ACCOUNT 233

Report each account payable separately.

DESCRIPTION (a)	TOTAL (b)
	$
Mira International	
Total	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

ACCRUED INTEREST AND EXPENSE
ACCOUNTS 237 AND 427

DESCRIPTION OF DEBIT (a)	BALANCE BEGINNING OF YEAR (b)	INTEREST ACCRUED DURING YEAR ACCT. DEBIT (c)	INTEREST ACCRUED DURING YEAR AMOUNT (d)	INTEREST PAID DURING YEAR (e)	BALANCE END OF YEAR (f)
ACCOUNT NO. 237.1 - Accrued Interest on Long Term Debt					
	$ -	427.4	$ 1,364	$ 1,364	$
Total Account 237.1	$ -		$	$	$ -
ACCOUNT NO. 237.2 - Accrued Interest on Other Liabilities					
	$	427	$		$
Total Account 237.2	$ -		$ -	$ -	$ -
Total Account 237 (1)	$ -		$ -	$ -	$ -
INTEREST EXPENSED:					
Total accrual Account 237		237	$ -		
Less Capitalized Interest Portion of AFUDC:					
Net Interest Expensed to Account No. 427 (2)			$ -		

(1) Must agree to F-2 (a), Beginning and Ending Balance of Accrued Interest.

(2) Must agree to F-3 (c), Current Year Interest Expense

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES
ACCOUNT 241

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
Refund Checks Returned	$ 581
Total Miscellaneous Current and Accrued Liabilities	$ 581

ADVANCES FOR CONSTRUCTION
ACCOUNT 252

NAME OF PAYOR * (a)	BALANCE BEGINNING OF YEAR (b)	DEBITS ACCT. DEBIT (c)	DEBITS AMOUNT (d)	CREDITS (e)	BALANCE END OF YEAR (f)
	$	252	$		$ -
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
Total	$ -		$ -	$ -	$ -

* Report advances separately by reporting group, designating water or wastewater in column (a).

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

OTHER DEFERRED CREDITS
ACCOUNT 253

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
REGULATORY LIABILITIES (Class A Utilities: Account 253.1):		
None	$	$
Total Regulatory Liabilities	$ -	$ -
OTHER DEFERRED LIABILITIES (Class A Utilities: Account 253.2):		
None	$	$
Total Other Deferred Liabilities	$ -	$ -
TOTAL OTHER DEFERRED CREDITS	$ -	$ -

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	WATER (W-7) (b)	WASTEWATER (S-7) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 332,247	$ 545,676	$	$ 877,923
Add credits during year:	$ 3,500	4,164	-	7,664
Less debit charged during the year	$ -	$ 7,212	$ -	$ 7,212
Total Contribution In Aid of Construction	$ 335,747	$ 542,628	$ -	$ 878,375

ACCUMULATED AMORTIZATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 272

DESCRIPTION (a)	WATER (W-8(a)) (b)	WASTEWATER (S-8(a)) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 332,247	$ 538,464	$	$ 870,711
Debits during the year:	$ 3,500	7,212		$ 10,712
Credits during the year	$ -	$ -	$	$ -
Total Accumulated Amortization of Contributions In Aid of Construction	$ 335,747	$ 545,676	$ -	$ 881,423

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES (UTILITY OPERATIONS)

1. The reconciliation should include the same detail as furnished on Schedule M-1 of the federal tax return for the year. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount and show the computations of all tax accruals.

2. If the utility is a member of a group which files a consolidated federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating intercompany amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignments or sharing of the consolidated tax among the group members.

DESCRIPTION (a)	REF. NO. (b)	AMOUNT (c)
Net income for the year	F-3(c)	$ -
Reconciling items for the year:		
Taxable income not reported on books:		
		-
		-
Deductions recorded on books not deducted for return:		
		-
		-
Income recorded on books not included in return:		
		-
		-
		-
		-
Deduction on return not charged against book income:		
		-
		-
		-
		-
Federal tax net income		$ -

Computation of tax :

This Corporation is an "S" Corporation, therfore this schedule is not applicable

WATER
OPERATION
SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

WATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The water financial schedules (W-2 through W-10) should be filed for the group in total.
The water engineering schedules (W-11 through W-14) must be filed for each system in the group.
All of the following water pages (W-2 through W-14) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-10-AR	1

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

SCHEDULE OF YEAR END WATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WATER UTILITY (d)
101	Utility Plant In Service	W-4(b)	$ 1,274,008
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	W-6(b)	807,249
110	Accumulated Amortization		
271	Contributions in Aid of Construction	W-7	335,747
252	Advances for Construction		-
	Subtotal		$ 131,011
272	Add: Accumulated Amortization of Contributions in Aid of Construction	W-8(a)	$ 335,747
	Subtotal		$ 466,758
	Plus or Minus:		
114	Acquisition Adjustments (2)		-
115	Accumulated Amortization of Acquisition Adjustments (2)		-
	Working Capital Allowance (3)		18,014
	Other (Specify):		
105	Construction in Process		-
	WATER RATE BASE		$ 484,773
	WATER OPERATING INCOME	W-3	$ 2,080
	ACHIEVED RATE OF RETURN (Water Operating Income / Water Rate Base)		0.43%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

YEAR OF REPORT
December 31, 2021

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	CURRENT YEAR (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	W-9	$ 181,866
469	Less: Guaranteed Revenue and AFPI	W-9	-
	Net Operating Revenues		$ 181,866
401	Operating Expenses	W-10(a)	$ 144,114
403	Depreciation Expense	W-6(a)	29,512
	Less: Amortization of CIAC	W-8(a)	3,500
	Net Depreciation Expense		$ 26,012
406	Amortization of Utility Plant Acquisition Adjustment		
407	Amortization Expense (Other than CIAC)		-
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		8,184
408.11	Property Taxes		1,476
408.12	Payroll Taxes		
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 9,660
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 179,786
	Utility Operating Income		$ 2,080
	Add Back:		
469	Guaranteed Revenue (and AFPI)	W-9	$ -
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ 2,080

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
301	1993 Rate Case Expense	$ 482	$		$ 482
302	Franchises	925			925
303	Land and Land Rights	182,500			182,500
304	Structures and Improvements	122,472			122,472
305	Collecting and Impounding Reservoirs	0			
306	Lake, River and Other Intakes	0			
307	Wells and Springs	0			
309	Supply Mains	2,469			2,469
310	Power Generation Equipment	19,734			19,734
311	Pumping Equipment	76,013			76,013
320	Water Treatment Equipment	6,568			6,568
330	Distribution Reservoirs and Standpipes	292,464			292,464
331	Transmission and Distribution Mains	282,945			282,945
333	Services	69,852			69,852
334	Meters and Meter Installations	194,345	6,300		200,645
335	Hydrants	8,000			8,000
336	Backflow Prevention Devices	0			
339	Other Plant Miscellaneous Equipment	1,462			1,462
340	Office Furniture and Equipment	5,740			5,740
341	Transportation Equipment	800			800
342	Stores Equipment	0			
343	Tools, Shop and Garage Equipment	937			937
344	Laboratory Equipment	0			
345	Power Operated Equipment	0			
346	Communication Equipment	0			
347	Miscellaneous Equipment	0			
349	Abandonment of Regional Plant	0			
	TOTAL WATER PLANT	$ 1,267,708	$ 6,300	$	$ 1,274,008

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 INTANGIBLE PLANT (d)	.2 SOURCE OF SUPPLY AND PUMPING PLANT (e)	.3 WATER TREATMENT PLANT (f)	.4 TRANSMISSION AND DISTRIBUTION PLANT (g)	.5 GENERAL PLANT (h)
301	1993 Rate Case Expense	$ 482	$ 482	$	$	$	$
302	Franchises	925	925				
303	Land and Land Rights	182,500		182,500			
304	Structures and Improvements	122,472		122,472			
305	Collecting and Impounding Reservoirs						
306	Lake, River and Other Intakes						
307	Wells and Springs						
309	Supply Mains	2,469		2,469			
310	Power Generation Equipment	19,734		19,734			
311	Pumping Equipment	76,013		76,013			
320	Water Treatment Equipment	6,568			6,568		
330	Distribution Reservoirs and Standpipes	292,464				292,464	
331	Transmission and Distribution Mains	282,945				282,945	
333	Services	69,852				69,852	
334	Meters and Meter Installations	200,645				200,645	
335	Hydrants	8,000				8,000	
336	Backflow Prevention Devices						
339	Other Plant Miscellaneous Equipment	1,462	1,462				
340	Office Furniture and Equipment	5,740					5,740
341	Transportation Equipment	800					800
342	Stores Equipment						
343	Tools, Shop and Garage Equipment	937					937
344	Laboratory Equipment						
345	Power Operated Equipment						
346	Communication Equipment						
347	Miscellaneous Equipment						
349	Abandonment of Regional Plant						
	TOTAL WATER PLANT	$ 1,274,008	$ 2,869	$ 403 188	$ 6,568	$ 853,905	$ 7,477

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

BASIS FOR WATER DEPRECIATION CHARGES

ACCT. NO.	ACCOUNT NAME	AVERAGE SERVICE LIFE IN YEARS	AVERAGE NET SALVAGE IN PERCENT	DEPRECIATION RATE APPLIED IN PERCENT (100% - d) / c
(a)	(b)	(c)	(d)	(e)
301	1993 Rate Case Expense	4		25.00%
302	Franchises	29		
304	Structures and Improvements	27		3.70%
305	Collecting and Impounding Reservoirs			
306	Lake, River and Other Intakes			
307	Wells and Springs	15		6.67%
309	Supply Mains	32		3.13%
310	Power Generation Equipment	15		6.67%
311	Pumping Equipment	15		6.67%
320	Water Treatment Equipment	7		14.29%
330	Distribution Reservoirs and Standpipes	30		3.33%
331	Transmission and Distribution Mains	40		2.50%
333	Services	35		2.86%
334	Meters and Meter Installations	17		5.88%
335	Hydrants	20		5.00%
336	Backflow Prevention Devices			
339	Other Plant Miscellaneous Equipment	6		16.67%
340	Office Furniture and Equipment	6		16.67%
341	Transportation Equipment	6		16.67%
342	Stores Equipment			
343	Tools, Shop and Garage Equipment	15		6.67%
344	Laboratory Equipment			
345	Power Operated Equipment			
346	Communication Equipment			
347	Miscellaneous Equipment			
349	Abandonment of Regional Plant			
	Water Plant Composite Depreciation Rate *			

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
301	1993 Rate Case Expense	$ 482	$		$ 0
302	Franchises	925			0
304	Structures and Improvements	101,596	4,531		4,531
305	Collecting and Impounding Reservoirs				0
306	Lake, River and Other Intakes	0			0
307	Wells and Springs	0			0
309	Supply Mains	2,138	77		77
310	Power Generation Equipment	19,733			0
311	Pumping Equipment	76,013			0
320	Water Treatment Equipment	6,568			0
330	Distribution Reservoirs and Standpipes	199,299	9,749		9,749
331	Transmission and Distribution Mains	202,620	7,074		7,074
333	Services	52,033	1,996		1,996
334	Meters and Meter Installations	101,099	5,442		5,442
335	Hydrants	6,860	400		400
336	Backflow Prevention Devices	0			0
339	Other Plant Miscellaneous Equipment	896	244		244
340	Office Furniture and Equipment	5,739			0
341	Transportation Equipment	800			0
342	Stores Equipment	0			0
343	Tools, Shop and Garage Equipment	936			0
344	Laboratory Equipment	0			0
345	Power Operated Equipment	0			0
346	Communication Equipment	0			0
347	Miscellaneous Equipment	0			0
349	Abandonment of Regional Plant				
TOTAL WATER ACCUMULATED DEPRECIATION		$ 777,737	$ 29,512	$ 0	$ 29,512

* Specify nature of transaction
Use ( ) to denote reversal entries.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION (CONT'D)

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
301	1993 Rate Case Expense	$			$ 0	$ 482
302	Franchises				0	925
304	Structures and Improvements				0	106,127
305	Collecting and Impounding Reservoirs				0	0
306	Lake, River and Other Intakes				0	0
307	Wells and Springs				0	0
309	Supply Mains				0	2,215
310	Power Generation Equipment				0	19,733
311	Pumping Equipment				0	76,013
320	Water Treatment Equipment				0	6,568
330	Distribution Reservoirs and Standpipes				0	209,048
331	Transmission and Distribution Mains				0	209,694
333	Services				0	54,029
334	Meters and Meter Installations				0	106,541
335	Hydrants				0	7,260
336	Backflow Prevention Devices				0	0
339	Other Plant Miscellaneous Equipment				0	1,140
340	Office Furniture and Equipment				0	5,739
341	Transportation Equipment				0	800
342	Stores Equipment				0	0
343	Tools, Shop and Garage Equipment				0	936
344	Laboratory Equipment				0	0
345	Power Operated Equipment				0	0
346	Communication Equipment				0	0
347	Miscellaneous Equipment				0	0
349	Abandonment of Regional Plant					
TOTAL WATER ACCUMULATED DEPRECIATION		$ 0	$ 0	$ 0	$ 0	$ 807 49

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WATER (c)
Balance first of year		$ 332,247
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	W-8(a)	$ 3,500
Contributions received from Developer or Contractor Agreements in cash or property	W-8(a)	0
Total Credits		$ 3500
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 335,747

If any prepaid CIAC has been collected, provide a supporting schedule showing how the amount is determined.

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2021

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
			$ -
			-
			-
			-
			-
			-
			-
Total Credits			$

ACCUMULATED AMORTIZATION OF WATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WATER (b)
Balance first of year	$ 332,247
Debits during the year:	
Accruals charged to Account 272	$ 3,500
Other debits (specify) :	
Total debits	$ 3,500
Credits during the year (specify) :	$ 0
Total credits	$ -
Balance end of year	$ 335,747

YEAR OF REPORT
December 31, 2021

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

YEAR OF REPORT
December 31, 2021

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS (d)	AMOUNT (e)
	Water Sales:			
460	Unmetered Water Revenue			$
	Metered Water Revenue:			
461.1	Sales to Residential Customers	449	479	140,744
461.2	Sales to Commercial Customers	55	42	37,720
461.3	Sales to Industrial Customers			
461.4	Sales to Public Authorities			
461.5	Sales Multiple Family Dwellings			
	Total Metered Sales	504	521	$ 178,464
	Fire Protection Revenue:			
462.1	Public Fire Protection			
462.2	Private Fire Protection			
	Total Fire Protection Revenue	-	-	$ -
464	Other Sales To Public Authorities			
465	Sales To Irrigation Customers			
466	Sales For Resale			
467	Interdepartmental Sales			
	Total Water Sales	504	521	$ 178,464
	Other Water Revenues:			
469	Guaranteed Revenues (Including Allowance for Funds Prudently Invested or AFPI)			$
470	Forfeited Discounts			
471	Miscellaneous Service Revenues			
472	Rents From Water Property			
473	Interdepartmental Rents			
474	Other Water Revenues			3,402
	Total Other Water Revenues			$ 3,402
	Total Water Operating Revenues			$ 181,866

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY EXPENSE ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 SOURCE OF SUPPLY AND EXPENSES - OPERATIONS (d)	.2 SOURCE OF SUPPLY AND EXPENSES - MAINTENANCE (e)
601	Salaries and Wages - Employees	$ 32,400	$ 3,240	3,240
603	Salaries and Wages - Officers, Directors and Majority Stockholders	24,000 -		
604	Employee Pensions and Benefits	4,320	432	432
610	Purchased Water	-		
615	Purchased Power	11,577	11,577	
616	Fuel for Power Production	-		
618	Chemicals	926	926	
620	Materials and Supplies	-		
631	Contractual Services-Engineering	863		
632	Contractual Services - Accounting			
633	Contractual Services - Legal	-		
634	Contractual Services - Mgt. Fees	32,400		
635	Contractual Services - Testing	250		
636	Contractual Services - Other	8,900	8,900	
641	Rental of Building/Real Property	7,200		
642	Rental of Equipment	-		
650	Transportation Expenses	-		
656	Insurance - Vehicle	-		
657	Insurance - General Liability	5,638	5,638	
658	Insurance - Workman's Comp.	-		
659	Insurance - Other	-		
660	Advertising Expense	-		
666	Regulatory Commission Expenses - Amortization of Rate Case Expense	-		
667	Regulatory Commission Exp.-Other			
668	Water Resource Conservation Exp.	-		
670	Bad Debt Expense			
675	Miscellaneous Expenses	$ 15,640	521	2,208
	Total Water Utility Expenses	$ 144,114	$ 27,994	$ 5,880

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER EXPENSE ACCOUNT MATRIX

.3 WATER TREATMENT EXPENSES - OPERATIONS (f)	.4 WATER TREATMENT EXPENSES - MAINTENANCE (g)	.5 TRANSMISSION & DISTRIBUTION EXPENSES - OPERATIONS (h)	.6 TRANSMISSION & DISTRIBUTION EXPENSES - MAINTENANCE (i)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)
3,240	3,240	3,240	3,240	9,720	3,240
432	432	432	432	1,296	432
				-	-
				25,920	6,480
	250				
				5,760	1,440
				624	
4,007	1,075	7,829			
$ 7,679	$ 4,997	$ 11,501	$ 3,672	$ 43,320	$ 11,592

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

PUMPING AND PURCHASED WATER STATISTICS

MONTH (a)	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [(b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	3,144	685	2,459	2,459
February	0	2,500	469	2,031	2,031
March	0	3,366	1,431	1,935	1,935
April	0	2,488	300	2,188	2,188
May	0	4,043	1,505	2,538	2,538
June	0	3,065	401	2,664	2,664
July	0	3,431	1,443	1,988	1,988
August	0	3,311	916	2,395	2,395
September	0	3,205	1,206	1,999	1,999
October	0	2,532	255	2,277	2,277
November	0	2,520	437	2,083	2,083
December	0	2,299	451	1,848	1,848
Total for Year	-	35,904	9,499	26,405	26,405

If water is purchased for resale, indicate the following:

Vendor

Point of delivery

If water is sold to other water utilities for redistribution, list names of such utilities below:

SOURCE OF SUPPLY

List for each source of supply	CAPACITY OF WELL	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Backup Well	5,000,000 *	0	Well
Backup Well	5,000,000 *	0	Well
Main Well	47,450,000 *	130,000	Well

* Annual

YEAR OF REPORT
December 31, 2021

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Permitted Capacity of Plant (GPD): 108,500

Location of measurement of capacity (i.e. Wellhead, Storage Tank): Flow Meter

Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.): Liquid Chlorinated

LIME TREATMENT

Unit rating (i.e., GPM, pounds per gallon): N/A

Manufacturer:

FILTRATION

Type and size of area:

Pressure (in square feet): N/A

Manufacturer:

Gravity (in GPM/square feet):

Manufacturer:

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CALCULATION OF THE WATER SYSTEM METER EQUIVALENTS

METER SIZE (a)	TYPE OF METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential				
5/8"	Displacement	1.0	464	464
3/4"	Displacement	1.5		
1"	Displacement	2.5	32	80
1 1/4"	Displacement, Compound or Turbine	3.8		
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
			Total Water System Meter Equivalents	616

CALCULATION OF THE WATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC).
Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:
ERC = (Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day)

ERC Calculation:
21,170,000 gallons sold / 470 average SFR Customers / 365 days 218

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present ERC's * the system can efficiently serve. 600
2. Maximum number of ERCs * which can be served. 600
3. Present system connection capacity (in ERCs *) using existing lines. 470
4. Future connection capacity (in ERCs *) upon service area buildout. 130
5. Estimated annual increase in ERCs *. 1
6. Is the utility required to have fire flow capacity? Yes
   If so, how much capacity is required? 1500 GPM
7. Attach a description of the fire fighting facilities. Fire Truck Tank Refill, Fire Hydrants, and Commercial Sprinkler System
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system. N/A
9. When did the company last file a capacity analysis report with the DEP? Dec-14
10. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP?
    c. When will construction begin?
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO
11. Department of Environmental Protection ID # 3424620
12. Water Management District Consumptive Use Permit # 2995
    a. Is the system in compliance with the requirements of the CUP? Yes
    b. If not, what are the utility's plans to gain compliance?

* An ERC is determined based on the calculation on the bottom of Page W-13.

WASTEWATER OPERATION SECTION

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

WASTEWATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The wastewater financial schedules (S-2 through S-10) should be filed for the group in total.
The wastewater engineering schedules (S-11 through S-13) must be filed for each system in the group.
All of the following wastewater pages (S-2 through S-13) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-12-AR	

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

SCHEDULE OF YEAR END WASTEWATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
101	Utility Plant In Service	S-4(a)	$ 532,805
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	S-6(b)	491,111
110	Accumulated Amortization		
271	Contributions in Aid of Construction	S-7	549,840
252	Advances for Construction	F-20	0
	Subtotal		$ -508,146
272	Add: Accumulated Amortization of Contributions in Aid of Construction	S-8(a)	$ 545,676
	Subtotal		$ 37,530
	Plus or Minus:		
114	Acquisition Adjustments (2)		
115	Accumulated Amortization of Acquisition Adjustments (2)		
	Working Capital Allowance (3)		25,591
	Other (Specify):		
	WASTEWATER RATE BASE		$ 63,121
	WASTEWATER OPERATING INCOME	S-3	$ -573,688
	ACHIEVED RATE OF RETURN (Wastewater Operating Income / Wastewater Rate Base)		-908.86%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	S-9	$ 212,864
530	Less: Guaranteed Revenue (and AFPI)	S-9	0
	Net Operating Revenues		$ 212,864
401	Operating Expenses	S-10(a)	$ 204,730
403	Depreciation Expense	S-6(a)	5,116
	Less: Amortization of CIAC	S-8(a)	7,212
	Net Depreciation Expense		$ -2,096
406	Amortization of Utility Plant Acquisition Adjustment	F-7	
407	Amortization Expense (Other than CIAC)	F-8	0
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		10,065
408.11	Property Taxes		1,293
408.12	Payroll Taxes		
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 11,358
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 213,992
	Utility Operating Income		$ (1,128)
	Add Back:		
530	Guaranteed Revenue (and AFPI)	W-9	$
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		-572,560
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ (573,688)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
351	Organization	$ 947	$	$	$ 947
352	Franchises	3,806			3,806
353	Land and Land Rights				0
354	Structures and Improvements				0
355	Power Generation Equipment	0			0
360	Collection Sewers - Force	33,459			33,459
361	Collection Sewers - Gravity	141,888			141,888
362	Special Collecting Structures	2,531			2,531
363	Services to Customers	64,155			64,155
364	Flow Measuring Devices	1,711			1,711
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	245,339			245,339
371	Pumping Equipment	0			0
374	Reuse Distribution Reservoirs	0			0
375	Reuse Transmission and	0			0
	Distribution System	0			0
380	Treatment and Disposal Equipment				0
381	Plant Sewers				0
382	Outfall Sewer Lines	8,821			8,821
389	Other Plant Miscellaneous Equipment	7,567			7,567
390	Office Furniture and Equipment	5,397			5,397
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,135			1,135
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			16,049
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Wastewater Plant	$ 532,805	$ 0	$ 0	$ 532,805

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (f)	.1 INTANGIBLE PLANT (g)	.2 COLLECTION PLANT (h)	.3 SYSTEM PUMPING PLANT (i)	.4 TREATMENT AND DISPOSAL (j)	.5 GENERAL PLANT (h)
351	Organization	$ 947	$ 947	$	$	$	$
352	Franchises	3,806	3,806				
353	Land and Land Rights	0		0			
354	Structures and Improvements	0		0			
355	Power Generation Equipment	0		0			
360	Collection Sewers - Force	33,459		33,459			
361	Collection Sewers - Gravity	141,888		141,888			
362	Special Collecting Structures	2,531		2,531			
363	Services to Customers	64,155		64,155			
364	Flow Measuring Devices	1,711		1,711			
365	Flow Measuring Installations	0		0			
366	Reuse Services	0		0			
367	Reuse Meters and Meter Installations	0		0			
370	Receiving Wells	245,339			245,339		
371	Pumping Equipment	0			0		
374	Reuse Distribution Reservoirs	0			0		
375	Reuse Transmission and	0			0		
	Distribution System	0			0		
380	Treatment and Disposal Equipment	0				0	
381	Plant Sewers	0				0	
382	Outfall Sewer Lines	8,821				8,821	
389	Other Plant Miscellaneous Equipment	7,567		7,567			
390	Office Furniture and Equipment	5,397					5,397
391	Transportation Equipment	0					0
392	Stores Equipment	0					0
393	Tools, Shop and Garage Equipment	1,135					1,135
394	Laboratory Equipment	0					0
395	Power Operated Equipment	16,049		16,049			
396	Communication Equipment	0					0
397	Miscellaneous Equipment	0					0
398	Other Tangible Plant	0					0
	Total Wastewater Plant	$ 532,805	$ 4,753	$ 267,360	$ 245,339	$ 8,821	$ 6,532

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

YEAR OF REPORT
December 31, 2021

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

BASIS FOR WASTEWATER DEPRECIATION CHARGES

ACCT. NO. (a)	ACCOUNT NAME (b)	AVERAGE SERVICE LIFE IN YEARS (c)	AVERAGE NET SALVAGE IN PERCENT (d)	DEPRECIATION RATE APPLIED IN PERCENT (100% - D) / C (e)
351	Organizational	29		3.45%
352	Franchises	3		33.33%
354	Structures and Improvements	27		3.70%
360	Collection Sewers - Force	27		3.70%
361	Collection Sewers - Gravity	40		2.50%
362	Special Collecting Structures	37		2.70%
363	Services to Customers	35		2.86%
364	Flow Measuring Devices	17		5.88%
365	Flow Measuring Installations			
366	Reuse Services			
367	Reuse Meters and Meter Installations			
370	Receiving Wells	18		5.56%
371	Pumping Equipment			
375	Reuse Transmission and Distribution System			
380	Treatment and Disposal Equipment	15		6.67%
382	Used Plant #3	15		6.67%
389	Other Plant Miscellaneous Equipment	35		2.86%
390	Office Furniture and Equipment	6		16.67%
391	Transportation Equipment			
392	Stores Equipment			
393	Tools, Shop and Garage Equipment	15		6.67%
394	Laboratory Equipment			
395	Tractor & Mower	10		10.00%
396	Communication Equipment			
397	Miscellaneous Equipment			
398	Other Tangible Plant			
Wastewater Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
351	Organizational	$ 868	$ 23	$	$ 23
352	Franchises	3,805			0
354	Structures and Improvements				0
355	Power Generation Equipment				0
360	Collection Sewers - Force	34,908	-1,449		-1,449
361	Collection Sewers - Gravity	108,666	3,153		3,153
362	Special Collecting Structures	2,532			0
363	Services to Customers	58,110	3,300		3,300
364	Flow Measuring Devices	1,710			0
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	245,339			0
371	Pumping Equipment	0			0
375	Reuse Transmission and Distribution System	0			0
380	Treatment and Disposal Equipment				0
381	Plant Sewers				0
382	Outfall Sewer Lines				0
389	Other Plant Miscellaneous Equipment	7,478	89		89
390	Office Furniture and Equipment	5,396			0
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,134			0
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			0
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Depreciable Wastewater Plant in Service	$ 485,995	$ 5,116	$ 0	$ 5,116

* Specify nature of transaction.
Use ( ) to denote reversal entries.

S-6(a) REVISED
GROUP _____

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
354	Structures and Improvements	$	$	$	$ 0	$ 891
					0	3,805
354	Structures and Improvements	$	$	$	0	
355	Power Generation Equipment				0	0
360	Collection Sewers - Force				0	33,459
361	Collection Sewers - Gravity				0	111,819
362	Special Collecting Structures				0	2,532
363	Services to Customers				0	61,410
364	Flow Measuring Devices				0	1,710
365	Flow Measuring Installations				0	0
366	Reuse Services				0	0
367	Reuse Meters and Meter Installations				0	0
370	Receiving Wells				0	245,339
371	Pumping Equipment				0	0
375	Reuse Transmission and Distribution System				0	0
380	Treatment and Disposal Equipment				0	
381	Plant Sewers				0	
382	Outfall Sewer Lines				0	0
389	Other Plant Miscellaneous Equipment				0	7,567
390	Office Furniture and Equipment				0	5,396
391	Transportation Equipment				0	0
392	Stores Equipment				0	0
393	Tools, Shop and Garage Equipment				0	1,134
394	Laboratory Equipment				0	0
395	Power Operated Equipment				0	16,049
396	Communication Equipment				0	0
397	Miscellaneous Equipment				0	0
398	Other Tangible Plant				0	0
Total Depreciable Wastewater Plant in Service		$ 0	$ 0	$ 0	$ 0	$ 491,111

* Specify nature of transaction.
Use ( ) to denote reversal entries.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WASTEWATER (c)
Balance first of year		$ 545,676
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	S-8(a)	$ 4,164
Contributions received from Developer or Contractor Agreements in cash or property	S-8(a)	
Total Credits		$ 4,164
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 549,840

Explain all debits charged to Account 271 during the year below:

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
		$	$
Impact Fee	4	1,041	4,164
Impact Fee			0
Total Credits			$ 4,164

ACCUMULATED AMORTIZATION OF WASTEWATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WASTEWATER (b)
Balance first of year	$ 538,464
Debits during the year:	
Accruals charged to Account 272	$ 11,376
Other debits (specify) :	-4,164
Rounding	
Total debits	$ 7,212
Credits during the year (specify) :	
	$
Total credits	$ 0
Balance end of year	$ 545,676

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	WASTEWATER SALES			
	Flat Rate Revenues:			
521.1	Residential Revenues			$
521.2	Commercial Revenues			
521.3	Industrial Revenues			
521.4	Revenues From Public Authorities			
521.5	Multiple Family Dwelling Revenues			
521.6	Other Revenues			
521	Total Flat Rate Revenues	0	0	$ 0
	Measured Revenues:			
522.1	Residential Revenues	261	262	156,731
522.2	Commercial Revenues	39	40	56,133
522.3	Industrial Revenues			
522.4	Revenues From Public Authorities			
522.5	Multiple Family Dwelling Revenues			
522	Total Measured Revenues	300	302	$ 212,864
523	Revenues From Public Authorities			
524	Revenues From Other Systems			
525	Interdepartmental Revenues			
	Total Wastewater Sales	300	302	$ 212,864
	OTHER WASTEWATER REVENUES			
530	Guaranteed Revenues			$
531	Sale of Sludge			
532	Forfeited Discounts			
534	Rents From Wastewater Property			
535	Interdepartmental Rents			
536	Other Wastewater Revenues (Including Allowance for Funds Prudently Invested or AFPI)			
	Total Other Wastewater Revenues			$ 0

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	RECLAIMED WATER SALES			
	Flat Rate Reuse Revenues:			
540.1	Residential Reuse Revenues			$
540.2	Commercial Reuse Revenues			
540.3	Industrial Reuse Revenues			
540.4	Reuse Revenues From Public Authorities			
540.5	Other Revenues			
540	Total Flat Rate Reuse Revenues			$ 0
	Measured Reuse Revenues:			
541.1	Residential Reuse Revenues			
541.2	Commercial Reuse Revenues			
541.3	Industrial Reuse Revenues			
541.4	Reuse Revenues From Public Authorities			
541	Total Measured Reuse Revenues			$ 0
544	Reuse Revenues From Other Systems			
	Total Reclaimed Water Sales			$ 0
	Total Wastewater Operating Revenues			$ 212,864

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 COLLECTION EXPENSES-OPERATIONS (d)	.2 COLLECTION EXPENSES-MAINTENANCE (e)	.3 PUMPING EXPENSES - OPERATIONS (f)	.4 PUMPING EXPENSES MAINT (g)	.5 TREATMENT & DISPOSAL EXPENSES - OPERATIONS (h)	.6 TREATMENT & DISPOSAL EXPENSES - MAINTENANCE (i)
701	Salaries and Wages - Employees	$ 32,400	$ 8,100		8,100			
703	Salaries and Wages - Officers, Directors and Majority Stockholders	24,000						
704	Employee Pensions and Benefits	4,320	1,080		1,080			
710	Purchased Sewage Treatment							
711	Sludge Removal Expense	24,976						
715	Purchased Power	20,520	10,260		10,260			
716	Fuel for Power Production							
718	Chemicals	6,237	6,237					
720	Materials and Supplies							
731	Contractual Services-Engineering	3,763	1,882		1,882			
732	Contractual Services - Accounting							
733	Contractual Services - Legal							
734	Contractual Services - Mgt. Fees	36,110						
735	Contractual Services - Testing							
736	Contractual Services - Other	17,325	8,663		8,663			
741	Rental of Building/Real Property	7,200						
742	Rental of Equipment							
750	Transportation Expenses							
756	Insurance - Vehicle							
757	Insurance - General Liability	5,581	1,395		1,395			
758	Insurance - Workman's Comp.							
759	Law Suit Settlement							
760	Advertising Expense							
766	Regulatory Commission Expenses - Amortization of Rate Case Expense							
767	Regulatory Commission Exp.-Other							
770	Bad Debt Expense							
775	Miscellaneous Expenses	22,298	2,208		4,007	7918	8165	
	Total Wastewater Utility Expenses	$ 204,730	$ 39,824	$ 0	$	$	$	$ 0

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)	.9 RECLAIMED WATER TREATMENT EXPENSES-OPERATIONS (l)
701	Salaries and Wages - Employees	$ 8,100		8,100
703	Salaries and Wages - Officers, Directors and Majority Stockholders			
704	Employee Pensions and Benefits	1,080		1,080
710	Purchased Sewage Treatment			
711	Sludge Removal Expense			24,976
715	Purchased Power			
716	Fuel for Power Purchased			
718	Chemicals			
720	Materials and Supplies		0	
731	Contractual Services-Engineering			
732	Contractual Services - Accounting		0	
733	Contractual Services - Legal		0	
734	Contractual Services - Mgt. Fees	32,499	3,611	
735	Contractual Services - Testing			
736	Contractual Services - Other			
741	Rental of Building/Real Property	5,760	1,440	
742	Rental of Equipment			
750	Transportation Expenses			
756	Insurance - Vehicle			
757	Insurance - General Liability	1,395		1,395
758	Insurance - Workman's Comp.			
759	Law Suit Settlement		0	
760	Advertising Expense			
766	Regulatory Commission Expenses - Amortization of Rate Case Expense			
767	Regulatory Commission Exp.-Other			
770	Bad Debt Expense	624		
775	Miscellaneous Expenses			
	Total Wastewater Utility Expenses	$ 49,458	$ 5,051	$ 35,551

YEAR OF REPORT
December 31, 2021

UTILITY NAME: Tradewinds Utilities, Inc

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CALCULATION OF THE WASTEWATER SYSTEM METER EQUIVALENTS

WATER METER SIZE (a)	TYPE OF WATER METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential		1.0		
5/8"	Displacement	1.0	253	253
3/4"	Displacement	1.5		
1"	Displacement	2.5	17	43
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
	Total Wastewater System Meter Equivalents			368

CALCULATION OF THE WASTEWATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one wastewater equivalent residential connection (ERC).

Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:

ERC = (Total SFR gallons treated (Omit 000) / 365 days / 280 gallons per day)

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated.

Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

ERC Calculation:

19,568,324 gallons sold / 115 average SFR Customers / 365 days 172GPD

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity		81,000 Total	
Basis of Permit Capacity (1)			
Manufacturer	McNeil	Marlof	
Type (2)	Concrete	Concrete	
Hydraulic Capacity	65,000	50,000	
Average Daily Flow	30,000	30,000	
Total Gallons of Wastewater Treated	10,950,000	10,950,000	
Method of Effluent Disposal		Spray Field	

(1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

(2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present number of ERCs* now being served 400
2. Maximum number of ERCs* which can be served 500
3. Present system connection capacity (in ERCs*) using existing lines 100
4. Future connection capacity (in ERCs*) upon service area buildout 100
5. Estimated annual increase in ERCs* 1
6. Describe any plans and estimated completion dates for any enlargements or improvements of this system
NONE
7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A
8. If the utility does not engage in reuse, has a reuse feasibility study been completed? NO
If so, when? _____
9. Has the utility been required by the DEP or water management district to implement reuse? NO
If so, what are the utility's plans to comply with this requirement? _____
10. When did the company last file a capacity analysis report with the DEP? N/A
11. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? N/A
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO
12. Department of Environmental Protection ID # FLA010699-001

* An ERC is determined based on the calculation on S-11.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SCHEDULE OF CURRENT COST OF CAPITAL
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING (1)

CLASS OF CAPITAL (a)	DOLLAR AMOUNT (2) (b)	PERCENTAGE OF CAPITAL (c)	ACTUAL COST RATES (3) (d)	WEIGHTED COST (c x d) (e)
Common Equity	$	-		
Preferred Stock		-		
Long Term Debt		-		
Customer Deposits		-		
Tax Credits - Zero Cost		-		
Tax Credits - Weighted Cost		-		
Deferred Income Taxes		-		
Other (Explain)		-		
		-		
Total	$			

(1) If the utility's capital structure is not used, explain which capital structure is used.

(2) Should equal amounts on Schedule F-6, Column (g).

(3) Mid-point of the last authorized Return On Equity or current leverage formula if none has been established.

Must be calculated using the same methodology used in the last rate proceeding using current annual report year end amounts and cost rates.

APPROVED RETURN ON EQUITY

Current Commission Return on Equity:	11.16%
Commission order approving Return on Equity:	100127-WS

APPROVED AFUDC RATE

COMPLETION ONLY REQUIRED IF AFUDC WAS CHARGED DURING YEAR

Current Commission Approved AFUDC rate:	%
Commission order approving AFUDC rate:	

If any utility capitalized any charge in lieu of AFUDC (such as interest only), state the basis of the charge, an explanation as to why AFUDC was not charged and the percentage capitalized.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2021

SCHEDULE OF CAPITAL STRUCTURE ADJUSTMENTS
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING

CLASS OF CAPITAL (a)	PER BOOK BALANCE (b)	NON-UTILITY ADJUSTMENTS (c)	NON-JURISDICTIONAL ADJUSTMENTS (d)	OTHER (1) ADJUSTMENTS SPECIFIC (e)	OTHER (1) ADJUSTMENTS PRO RATA (f)	CAPITAL STRUCTURE (g)
Common Equity	$ 200	$	$	$	$	$
Preferred Stock						
Long Term Debt						
Customer Deposits						
Tax Credits - Zero Cost						
Tax Credits - Weighted Cost						
Deferred Inc. Taxes						
Other (Explain)						
Total	$ 200	$	$	$	$	$

(1) Explain below all adjustments made in Columns (c) and (f):

CLASS A / B ANNUAL REPORT

NAME OF UTILITY:	Tradewinds Utilities, Inc
YEAR OF REPORT:	December 31, 2022

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Water Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ___ 2021

(a)	(b)	(c)	(d)
Accounts	**Gross Water Revenues Per Sch. W-9**	**Gross Water Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Unmetered Water Revenues (460)	$	$	$
Total Metered Sales (461.1 - 461.5)	208,048	208,048	
Total Fire Protection Revenue (462.1 - 462.2)			
Other Sales to Public Authorities (464)			
Sales to Irrigation Customers (465)			
Sales for Resale (466)			
Interdepartmental Sales (467)			
Total Other Water Revenues (469 - 474)	7,980	7,980	
Total Water Operating Revenue	216,028	216,028	$
LESS: Expense for Purchased Water from FPSC-Regulated Utility			
Net Water Operating Revenues	216,028	216,028	0

Explanations:

Instructions:
For the current year, reconcile the gross water revenues reported on Schedule W-9 with the gross water revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Wastewater Operations
Class A & B

Company: Tradewinds Utilities, Inc.
For the Year Ended December 31, ___ 2021

(a)	(b)	(c)	(d)
Accounts	**Gross Wastewater Revenues Per Sch. S-9**	**Gross Wastewater Revenues Per RAF Return**	**Difference (b) - (c)**
Gross Revenue:			
Total Flat-Rate Revenues (521.1 - 521.6)	$ _____	$ _____	$ _____
Total Measured Revenues (522.1 - 522.5)	240,294	240,294	_____
Revenues from Public Authorities (523)	_____	_____	_____
Revenues from Other Systems (524)	_____	_____	_____
Interdepartmental Revenues (525)	_____	_____	_____
Total Other Wastewater Revenues (530 - 536)	_____	_____	_____
Reclaimed Water Sales (540.1 - 544)	_____	_____	_____
Total Wastewater Operating Revenue	240,294	240,294	$
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility		_____	_____
Net Wastewater Operating Revenues	240,294	240,294	0

Explanations:

Instructions:
For the current year, reconcile the gross wastewater revenues reported on Schedule S-9 with the gross wastewater revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

CLASS "A" OR "B"

WATER AND/OR WASTEWATER UTILITIES
(Gross Revenue of More Than $200,000 Each)

ANNUAL REPORT

OF

Tradewinds Utilities, Inc
PO Box 5220
Ocala, FL 34478-5220

WS350
Certificate Number(s)

Submitted To The

STATE OF FLORIDA

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED December 31, 2022

Form PSC/ECR 003-W (Rev. 12/99)

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GENERAL INSTRUCTIONS

1. Prepare this report in conformity with the 1996 National Association of Regulatory Utility Commissioners Uniform System of Accounts for Water and/or Wastewater Utilities (USOA).

2. Interpret all accounting words and phrases in accordance with the USOA.

3. Complete each question fully and accurately, even if it has been answered in a previous annual report. Enter the word "None" where it truly and completely states the fact.

4. For any question, section, or page which is not applicable to the respondent, enter the words "Not Applicable". Do not omit any pages.

5. Where dates are called for, the month and day should be stated as well as the year.

6. All schedules requiring dollar entries should be rounded to the nearest dollar unless otherwise specifically indicated.

7. Complete this report by means which result in a permanent record, such as by computer or typewriter.

8. If there is not enough room on any schedule, an additional page or pages may be added; provided the format of the added schedule matches the format of the schedule with not enough room. Such a schedule should reference the appropriate schedules, state the name of the utility, and state the year of the report.

9. If it is necessary or desirable to insert additional statements for the purpose of further explanation of schedules, such statement should be made at the bottom of the page or an additional page inserted. Any additional pages should state the name of the utility, the year of the report, and reference the appropriate schedule.

10. For water and wastewater utilities with more than one rate group and/or system, water and wastewater pages should be completed for each rate group and/or system group. These pages should be grouped together and tabbed by rate group and/or system.

11. All other water and wastewater operations not regulated by the Commission and other regulated industries should be reported as "Other than Reporting Systems".

12. Financial information for multiple systems charging rates which are covered under the same tariff should be reported as one system. However, the engineering data must be reported by individual system.

13. For water and wastewater utilities with more than one system, one (1) copy of workpapers showing the consolidation of systems for the operating sections, should be filed with the annual report.

14. The report should be filled out in quadruplicate and the original and two copies returned by March 31, of the year following the date of the report. The report should be returned to:

Florida Public Service Commission
Division of Economic Regulation
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

The fourth copy should be retained by the utility.

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
EXECUTIVE SUMMARY			
Certification	E-1	Business Contracts with Officers, Directors and Affiliates	E-7
General Information	E-2	Affiliation of Officers and Directors	E-8
Directory of Personnel Who Contact the FPSC	E-3	Businesses which are a Byproduct, Coproduct or Joint Product Result of Providing Service	E-9
Company Profile	E-4	Business Transactions with Related Parties. Part I and II	E-10
Parent / Affiliate Organization Chart	E-5		
Compensation of Officers & Directors	E-6		
FINANCIAL SECTION			
Comparative Balance Sheet - Assets and Other Debits	F-1	Unamortized Debt Discount / Expense / Premium	F-13
Comparative Balance Sheet - Equity Capital and Liabilities	F-2	Extraordinary Property Losses	F-13
Comparative Operating Statement	F-3	Miscellaneous Deferred Debits	F-14
Year End Rate Base	F-4	Capital Stock	F-15
Year End Capital Structure	F-5	Bonds	F-15
Capital Structure Adjustments	F-6	Statement of Retained Earnings	F-16
Utility Plant	F-7	Advances from Associated Companies	F-17
Utility Plant Acquisition Adjustments	F-7	Other Long Term Debt	F-17
Accumulated Depreciation	F-8	Notes Payable	F-18
Accumulated Amortization	F-8	Accounts Payable to Associated Companies	F-18
Regulatory Commission Expense - Amortization of Rate Case Expense	F-9	Accrued Interest and Expense	F-19
Nonutility Property	F-9	Miscellaneous Current & Accrued Liabilities	F-20
Special Deposits	F-9	Advances for Construction	F-20
Investments and Special Funds	F-10	Other Deferred Credits	F-21
Accounts and Notes Receivable - Net	F-11	Contributions In Aid of Construction	F-22
Accounts Receivable from Associated Companies	F-12	Accumulated Amortization of CIAC	F-22
Notes Receivable from Associated Companies	F-12	Reconciliation of Reported Net Income with Taxable Income for Federal Income Taxes	F-23
Miscellaneous Current & Accrued Assets	F-12		

TABLE OF CONTENTS

SCHEDULE	PAGE	SCHEDULE	PAGE
WATER OPERATION SECTION			
Water Listing of System Groups	W-1	CIAC Additions / Amortization	W-8
Year End Water Rate Base	W-2	Water Operating Revenue	W-9
Water Operating Statement	W-3	Water Utility Expense Accounts	W-10
Water Utility Plant Accounts	W-4	Pumping and Purchased Water Statistics, Source Supply	W-11
Basis for Water Depreciation Charges	W-5	Water Treatment Plant Information	W-12
Analysis of Entries in Water Depreciation Reserve	W-6	Calculation of ERC's	W-13
Contributions In Aid of Construction	W-7	Other Water System Information	W-14
WASTEWATER OPERATION SECTION			
Wastewater Listing of System Groups	S-1	Contributions In Aid of Construction	S-7
Year End Wastewater Rate Base	S-2	CIAC Additions / Amortization	S-8
Wastewater Operating Statement	S-3	Wastewater Operating Revenue	S-9
Wastewater Utility Plant Accounts	S-4	Wastewater Utility Expense Accounts	S-10
Basis for Wastewater Depreciation Charges	S-5	Calculation of ERC's	S-11
Analysis of Entries in Wastewater Depreciation Reserve	S-6	Wastewater Treatment Plant Information	S-12
		Other Wastewater System Information	S-13

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EXECUTIVE SUMMARY

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UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

CERTIFICATION OF ANNUAL REPORT

I HEREBY CERTIFY, to the best of my knowledge and belief:

YES	NO		
X		1.	The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission.
X		2.	The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.
X		3.	There have been no communications from regulatory agencies concerning noncompliance with, or deficiencies in, financial reporting practices that could have a material effect on the the financial statement of the utility.
X		4.	The annual report fairly represents the financial condition and results of operations of the respondent for the period presented and other information and statements presented in the the report as to the business affairs of the respondent are true, correct and complete for the period for which it represents.

Items Certified

1.	2.	3.	4.
X	X	X	X

Charles deMenzes

(Signature of Chief Executive Officer of the utility) *

1.	2.	3.	4.

(Signature of Chief Financial Officer of the utility) *

* Each of the four items must be certified YES or NO. Each item need not be certified by both officers. The items being certified by the officer should be indicated in the appropriate area to the left of the signature.

NOTICE: Section 837.06, Florida Statutes, provides that any person who knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his duty shall be guilty of a misdemeanor of the second degree.

ANNUAL REPORT OF

YEAR OF REPORT
December 31, 2022

Tradewinds Utilities, Inc — County: Marion

(Exact Name of Utility)

List below the exact mailing address of the utility for which normal correspondence should be sent:
PO Box 5220
Ocala, FL 34478-5220

Telephone: 352 622-4949
E Mail Address: charlie@altfo.com
WEB Site:

Sunshine State One-Call of Florida, Inc. Member Number MIR598

Name and address of person to whom correspondence concerning this report should be addressed:
Charles deMenzes
PO Box 5220
Ocala, FL 34478
Telephone: 352 622-4949

List below the address of where the utility's books and records are located:
1552 SW 7th Road
Ocala, FL 34470

Telephone: 352 622-4949

List below any groups auditing or reviewing the records and operations:

Date of original organization of the utility: February 11, 1983

Check the appropriate business entity of the utility as filed with the Internal Revenue Service

Individual	Partnership	Sub S Corporation	1120 Corporation
		X	

List below every corporation or person owning or holding directly or indirectly 5% or more of the voting securities of the utility:

	Name	Percent Ownership
1.	Charles deMenzes Revocable Trust	100%

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

DIRECTORY OF PERSONNEL WHO CONTACT THE FLORIDA PUBLIC SERVICE COMMISSION

NAME OF COMPANY REPRESENTATIVE (1)	TITLE OR POSITION (2)	ORGANIZATIONAL UNIT TITLE (3)	USUAL PURPOSE FOR CONTACT WITH FPSC
Charles deMenzes	President	Tradewinds Utilities, Inc.	All Utility Matters
Deborah Dillon	Vice President	Tradewinds Utilities, Inc.	All Utility Matters

(1) Also list appropriate legal counsel, accountants and others who may not be on general payroll.
(2) Provide individual telephone numbers if the person is not normally reached at the company.
(3) Name of company employed by if not on general payroll.

COMPANY PROFILE

Provide a brief narrative company profile which covers the following areas:

A. Brief company history.
B. Public services rendered.
C. Major goals and objectives.
D. Major operating divisions and functions.
E. Current and projected growth patterns.
F. Major transactions having a material effect on operations.

A. The company was organized to provide potable water service to various subdivisions in Marion County

B. The company provides wastewater treatement and distribution services to customers in its certicated area.

C. The primary goal of the Company is to continue rendering quality service to its existing customers.

D. The Company provides water treatement and distribution services, only in Marion County

E. The Company expects to continue an average growth rate of approximately .05%

F. None

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

PARENT / AFFILIATE ORGANIZATION CHART

Current as of December 31, 2022

Complete below an organizational chart that show all parents, subsidiaries and affiliates of the utility.
The chart must also show the relationship between the utility and affiliates listed on E-7, E-10(a) and E-10(b).

Tradewinds Utilities, Inc

MIRA International, Inc

Tradewinds Utilities, Inc and Mira International, Inc have common ownership

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

COMPENSATION OF OFFICERS

For each officer, list the time spent on respondent as an officer compared to time spent on total business activities and the compensation received as an officer from the respondent.

NAME (a)	TITLE (b)	% OF TIME SPENT AS OFFICER OF THE UTILITY (c)	OFFICERS' COMPENSATION (d)
Charles deMenzes	President	60%	$ 60,000
Deborah Dillon	Vice President	60%	$ 40,000

COMPENSATION OF DIRECTORS

For each director, list the number of director meetings attended by each director and the compensation received as a director from the respondent.

NAME (a)	TITLE (b)	NUMBER OF DIRECTORS' MEETINGS ATTENDED (c)	DIRECTORS' COMPENSATION (d)
Charles deMenzes	Chairman/Pres	1	$ 40,000
Deborah Dillon	Sec/Treasurer	1	40,000

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

BUSINESS CONTRACTS WITH OFFICERS, DIRECTORS AND AFFILIATES

List all contracts, agreements, or other business arrangements* entered into during the calendar year (other than compensation related to position with Respondents) between the Respondent and officer and director listed on page E-6. In addition, provide the same information with respect to professional services for each firm, partnership, or organization with which the officer or director is affiliated.

NAME OF OFFICER, DIRECTOR OR AFFILIATE (a)	IDENTIFICATION OF SERVICE OR PRODUCT (b)	AMOUNT (c)	NAME AND ADDRESS OF AFFILIATED ENTITY (d)
MIRA International, Inc	See E-10(a)		

* Business Agreement, for this schedule, shall mean any oral or written business deal which binds the concerned parties for products or services during the reporting year or future years. Although the Respondent and/or other companies will benefit from the arrangement, the officer or director is, however, acting on his behalf or for the benefit of other companies or persons.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

AFFILIATION OF OFFICERS AND DIRECTORS

For each of the officials listed on page E-6, list the principal occupation or business affiliations or connections with any other business or financial organizations, firms, or partnerships. For purposes of this part, an official will be considered to have an affiliation with any business or financial organization, firm or partnership in which he is an officer, director, trustee, partner, or a person exercising similar functions.

NAME (a)	PRINCIPAL OCCUPATION OR BUSINESS AFFILIATION (b)	AFFILIATION OR CONNECTION (c)	NAME AND ADDRESS OF AFFILIATION OR CONNECTION (d)
Charles deMenzes	Management Company	Chairman/President	MIRA International, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	CFAT, Inc 1552 SW 7th Road, Ocala
Charles deMenzes	Utility Company	Chairman/President	BFF Corp 1552 SW 7th Road, Ocala

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

BUSINESSES WHICH ARE A BY-PRODUCT, COPRODUCT OR JOINT-PRODUCT RESULT OF PROVIDING WATER OR WASTEWATER SERVICE

Complete the following for any business which is conducted as a byproduct, coproduct, or joint product as a result of providing water and / or wastewater service. This would include any business which requires the use of utility land and facilities. Examples of these types of businesses would be orange groves, nurseries, tree farms, fertilizer manufacturing, etc. This would not include any business for which the assets are properly included in Account 121 - Nonutility Property along with the associated revenue and expenses segregated out as nonutility also.

	ASSETS		REVENUES		EXPENSES	
BUSINESS OR SERVICE CONDUCTED (a)	BOOK COST OF ASSETS (b)	ACCOUNT NUMBER (c)	REVENUES GENERATED (d)	ACCOUNT NUMBER (e)	EXPENSES INCURRED (f)	ACCOUNT NUMBER (g)
None	$		$		$	

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

BUSINESS TRANSACTIONS WITH RELATED PARTIES

List each contract, agreement, or other business transaction exceeding a cumulative amount of $500 in any on year, entered into between the Respondent and a business or financial organization, firm, or partnership named on pages E-2 and E-6, identifying the parties, amounts, dates and product, and asset, or service involved.

Part I. Specific Instructions: Services and Products Received or Provided

1. Enter in this part all transactions involving services and products received or provided.

2. Below are some types of transactions to include:
   - -management, legal and accounting services
   - -computer services
   - -engineering & construction services
   - -repairing and servicing of equipment
   - -material and supplies furnished
   - -leasing of structures, land, and equipment
   - -rental transactions
   - -sale, purchase or transfer of various products

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION SERVICE AND/OR NAME OF PRODUCT (b)	CONTRACT OR AGREEMENT EFFECTIVE DATES (c)	ANNUAL CHARGES (P)urchased (S)old (d)	ANNUAL CHARGES AMOUNT (e)
MIRA International, Inc	Billing,Computer Service	On-going	P	$
	Admin Services			33,750
	Payroll, Meter Reading			152,106
	Insurance, Office Space			17,250
	Materials, Supplies			17,860
	Repair, Service Equip			10,124
	Customer Relations			
	Customer Service			
	Annual PSC Reporting			8,000
	Hospitalization Benefits			25,000

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

BUSINESS TRANSACTIONS WITH RELATED PARTIES (Cont'd)

Part II. Specific Instructions: Sale, Purchase and Transfer of Assets

1. Enter in this part all transactions relating to the purchase, sale, or transfer of assets.

2 Below are examples of some types of transactions to include:
- -purchase, sale or transfer of equipment
- -purchase, sale or transfer of land and structures
- -purchase, sale or transfer of securities
- -noncash transfers of assets
- -noncash dividends other than stock dividends
- -write-off of bad debts or loans

3. The columnar instructions follow:

(a) Enter name of related party or company.
(b) Describe briefly the type of assets purchased, sold or transferred.
(c) Enter the total received or paid. Indicate purchase with "P" and sale with "S".
(d) Enter the net book value for each item reported.
(e) Enter the net profit or loss for each item reported. (column (c) - column (d))
(f) Enter the fair market value for each item reported. In space below or in a supplemental schedule, describe the basis used to calculate fair market value.

NAME OF COMPANY OR RELATED PARTY (a)	DESCRIPTION OF ITEMS (b)	SALE OR PURCHASE PRICE (c)	NET BOOK VALUE (d)	GAIN OR LOSS (e)	FAIR MARKET VALUE (f)
None		$	$	$	$

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FINANCIAL SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	UTILITY PLANT			
101-106	Utility Plant	F-7	$ 1,800,513.01	$ 1,819,269.01
108-110	Less: Accumulated Depreciation and Amortization	F-8	1,697,144.48	1,383,799.15
	Net Plant		$ 103,368.53	$ 435,469.86
114-115	Utility Plant Acquisition adjustment (Net)	F-7	-	-
116 *	Other Utility Plant Adjustments			
	Total Net Utility Plant		$ 103,368.53	$ 435,469.86
	OTHER PROPERTY AND INVESTMENTS			
121	Nonutility Property	F-9	$ -	$ -
122	Less: Accumulated Depreciation and Amortization		-	-
	Net Nonutility Property		$ -	$ -
123	Investment in Associated Companies	F-10		
124	Utility Investments	F-10		
125	Other Investments	F-10		
126-127	Special Funds	F-10		
	Total Other Property & Investments		$ -	$ -
	CURRENT AND ACCRUED ASSETS			
131	Cash		$ 8,436.97	$ 16,482.00
132	Special Deposits	F-9	-	-
133	Other Special Deposits	F-9	-	-
134	Working Funds			
135	Temporary Cash Investments			
141-144	Accounts and Notes Receivable, Less Accumulated		(264.83)	(265.00)
	Provision for Uncollectible Accounts	F-11	33,452.85	44,312.00
145	Accounts Receivable from Associated Companies	F-12	12,500.00	
146	Notes Receivable from Associated Companies	F-12		
161	Stores Expense			
162	Prepayments			
171	Accrued Interest and Dividends Receivable			
172 *	Rents Receivable			
173 *	Accrued Utility Revenues			
174	Miscellaneous Current and Accrued Assets	F-12		
	Total Current and Accrued Assets		$ 54,124.99	$ 60,529.00

* Not Applicable for Class B Utilities

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

COMPARATIVE BALANCE SHEET
ASSETS AND OTHER DEBITS

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED DEBITS			
181	Unamortized Debt Discount & Expense	F-13	$	$
182	Extraordinary Property Losses	F-13		
183	Preliminary Survey & Investigation Charges		-	-
184	Clearing Accounts		-	-
185 *	Temporary Facilities		-	-
186	Miscellaneous Deferred Debits	F-14	-	-
187 *	Research & Development Expenditures		-	-
190	Accumulated Deferred Income Taxes		-	-
	Total Deferred Debits		$ -	$ -
	TOTAL ASSETS AND OTHER DEBITS		$ 157,494	$ 495,999

* Not Applicable for Class B Utilities

NOTES TO THE BALANCE SHEET

The space below is provided for important notes regarding the balance sheet.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	EQUITY CAPITAL			
201	Common Stock Issued	F-15	$ 200	$ 200
204	Preferred Stock Issued	F-15	-	-
202,205 *	Capital Stock Subscribed			
207 *	Premium on Capital Stock			
209 *	Reduction in Par or Stated Value of Capital Stock			
210 *	Gain on Resale or Cancellation of Reacquired Capital Stock			
211	Other Paid - In Capital		473,551	443,163
212	Discount On Capital Stock			
213	Capital Stock Expense			
214-215	Retained Earnings	F-16	(260,981)	(397,224)
216	Reacquired Capital Stock			
218	Proprietary Capital (Proprietorship and Partnership Only)			
	Total Equity Capital		$ 212,770	$ 46,139
	LONG TERM DEBT			
221	Bonds	F-15		
222 *	Reacquired Bonds			
223	Advances from Associated Companies	F-17	-	-
224	Other Long Term Debt	F-17	418,340	393,000
	Total Long Term Debt		$ 418,340	$ 393,000
	CURRENT AND ACCRUED LIABILITIES			
231	Accounts Payable		555	7,863
232	Notes Payable	F-18		
233	Accounts Payable to Associated Companies	F-18		
234	Notes Payable to Associated Companies	F-18	-	-
235	Customer Deposits		25,093	21,633
236	Accrued Taxes	W/S-3	30,128	22,555
237	Accrued Interest	F-19		
238	Accrued Dividends			
239	Matured Long Term Debt			
240	Matured Interest			
241	Miscellaneous Current & Accrued Liabilities	F-20	581	581
	Total Current & Accrued Liabilities		$ 56,357	$ 52,632

* Not Applicable for Class B Utilities

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

COMPARATIVE BALANCE SHEET
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
	DEFERRED CREDITS			
251	Unamortized Premium On Debt	F-13	$ -	$ -
252	Advances For Construction	F-20	-	-
253	Other Deferred Credits	F-21	-	-
255	Accumulated Deferred Investment Tax Credits			
	Total Deferred Credits		$ -	$ -
	OPERATING RESERVES			
261	Property Insurance Reserve		$	$
262	Injuries & Damages Reserve			
263	Pensions and Benefits Reserve			
265	Miscellaneous Operating Reserves			
	Total Operating Reserves		$	$
	CONTRIBUTIONS IN AID OF CONSTRUCTION			
271	Contributions in Aid of Construction	F-22	$ 882,087	$ 874,211
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	(870,711)	(881,423)
	Total Net C.I.A.C.		$ 11,376	$ (7,212)
	ACCUMULATED DEFERRED INCOME TAXES			
281	Accumulated Deferred Income Taxes - Accelerated Depreciation		$	$
282	Accumulated Deferred Income Taxes - Liberalized Depreciation			
283	Accumulated Deferred Income Taxes - Other			
	Total Accumulated Deferred Income Tax		$ -	$ -
	TOTAL EQUITY CAPITAL AND LIABILITIES		$ 710,223	$ 484,559

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

COMPARATIVE OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR * (e)
	UTILITY OPERATING INCOME			
400	Operating Revenues	F-3(b)	$ 404,426	$ 456,322
469, 530	Less: Guaranteed Revenue and AFPI	F-3(b)	-	-
	Net Operating Revenues		$ 404,426	$ 456,322
401	Operating Expenses	F-3(b)	$ 342,791	$ 368,379
403	Depreciation Expense:	F-3(b)	$ 54,928	$ 120,067
	Less: Amortization of CIAC	F-22	11,376	10,712
	Net Depreciation Expense		$ 43,552	$ 109,355
406	Amortization of Utility Plant Acquisition Adjustment	F-3(b)	-	-
407	Amortization Expense (Other than CIAC)	F-3(b)	-	-
408	Taxes Other Than Income	W/S-3	30,128	22,555
409	Current Income Taxes	W/S-3	-	-
410.10	Deferred Federal Income Taxes	W/S-3	-	-
410.11	Deferred State Income Taxes	W/S-3	-	-
411.10	Provision for Deferred Income Taxes - Credit	W/S-3	-	-
412.10	Investment Tax Credits Deferred to Future Periods	W/S-3	-	-
412.11	Investment Tax Credits Restored to Operating Income	W/S-3	-	-
	Utility Operating Expenses		$ 416,471	$ 500,289
	Net Utility Operating Income		$ (12,045)	$ (43,967)
469, 530	Add Back: Guaranteed Revenue and AFPI	F-3(b)	-	-
413	Income From Utility Plant Leased to Others		-	-
414	Gains (losses) From Disposition of Utility Property		-	(572,560)
420	Allowance for Funds Used During Construction		-	-
	Total Utility Operating Income [Enter here and on Page F-3(c)]		$ (12,045)	$ (616,527)

* For each account, Column e should agree with Columns f, g and h on F-3(b)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	WATER SCHEDULE W-3 * (f)	WASTEWATER SCHEDULE S-3 * (g)	OTHER THAN REPORTING SYSTEMS (h)
	UTILITY OPERATING INCOME			
400	Operating Revenues	$ 216,028	$ 240,294	$
469, 530	Less: Guaranteed Revenue and AFPI	-	$ -	
	Net Operating Revenues	$ 216,028	$ 240,294	$ -
401	Operating Expenses	$ 167,514	$ 200,865	$
403	Depreciation Expense:	91,579	$ 28,488	
	Less: Amortization of CIAC	3,500	$ 7,212	
	Net Depreciation Expense	$ 88,079	$ 21,276	$ -
406	Amortization of Utility Plant Acquisition Adjustment	-	$ -	
407	Amortization Expense (Other than CIAC)	-	$ -	
408	Taxes Other Than Income	11,197	$ 11,358	
409	Current Income Taxes	-	$ -	
410.10	Deferred Federal Income Taxes	-	$ -	
410.11	Deferred State Income Taxes	-	$ -	
411.10	Provision for Deferred Income Taxes - Credit	-	$ -	
412.10	Investment Tax Credits Deferred to Future Periods	-	$ -	
412.11	Investment Tax Credits Restored to Operating Income	-	$ -	
	Utility Operating Expenses	$ 266,790	$ 233,499	$ -
	Net Utility Operating Income	$ (50,762)	$ 6,795	$ -
469, 530	Add Back: Guaranteed Revenue and AFPI	-	$ -	
413	Income From Utility Plant Leased to Others	-	$ -	
414	Gains (losses) From Disposition of Utility Property	-	$ (572,560)	
420	Allowance for Funds Used During Construction	-	$	
	Total Utility Operating Income [Enter here and on Page F-3(c)]	$ (50,762)	$ (565,765)	$ -

* Total of Schedules W-3 / S-3 for all rate groups.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SCHEDULE OF YEAR END RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	WATER UTILITY (d)	WASTEWATER UTILITY (e)
101	Utility Plant In Service	F-7	$ 1,210,575	$ 608,694
	Less: Nonused and Useful Plant (1)		-	
108	Accumulated Depreciation	F-8	869,316	514,483
110	Accumulated Amortization	F-8	-	-
271	Contributions in Aid of Construction	F-22	335,747	538,464
252	Advances for Construction	F-20	-	
	Subtotal		$ 5,512	$ (444,253)
272	Add: Accumulated Amortization of Contributions in Aid of Construction	F-22	335,747	545,676
	Subtotal		$ 341,259	$ 101,423
114	Plus or Minus: Acquisition Adjustments (2)	F-7	-	-
115	Accumulated Amortization of Acquisition Adjustments (2)	F-7	-	-
	Working Capital Allowance (3)		20,939	25,108
105	Other (Specify): Construction in Process		-	-
	RATE BASE		$ 362,198	$ 126,531
	NET UTILITY OPERATING INCOME		$ (50,762)	$ (565,765)
	ACHIEVED RATE OF RETURN (Operating Income / Rate Base)		-14.02%	-447.13%

NOTES :

(1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

COMPARATIVE OPERATING STATEMENT (Cont'd)

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
Total Utility Operating Income [from page F-3(a)]			$ (12,045)	$ (616,527)
	OTHER INCOME AND DEDUCTIONS			
415	Revenues-Merchandising, Jobbing, and Contract Deductions		$	$
416	Costs & Expenses of Merchandising Jobbing, and Contract Work			
419	Interest and Dividend Income			
421	Nonutility Income			
426	Miscellaneous Nonutility Expenses			
	Total Other Income and Deductions		$ -	$ -
	TAXES APPLICABLE TO OTHER INCOME			
408.20	Taxes Other Than Income		$	$
409.20	Income Taxes			
410.20	Provision for Deferred Income Taxes			
411.20	Provision for Deferred Income Taxes - Credit			
412.20	Investment Tax Credits - Net			
412.30	Investment Tax Credits Restored to Operating Income			
	Total Taxes Applicable To Other Income		$ -	$ -
	INTEREST EXPENSE			
427	Interest Expense	F-19	$	$ -
428	Amortization of Debt Discount & Expense	F-13		
429	Amortization of Premium on Debt	F-13		
	Total Interest Expense		$ -	$ -
	EXTRAORDINARY ITEMS			
433	Extraordinary Income		$	$
434	Extraordinary Deductions			
409.30	Income Taxes, Extraordinary Items			
	Total Extraordinary Items		$ -	$ -
	NET INCOME		$ (12,045)	$ (616,527)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

UTILITY PLANT
ACCOUNTS 101 - 106

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
	Plant Accounts:				
101	Utility Plant In Service	$ 1,210,575	$ 608,694	$	$ 1,819,269
102	Utility Plant Leased to Other				-
103	Property Held for Future Use				-
104	Utility Plant Purchased or Sold				-
105	Construction Work in Progress	-			-
106	Completed Construction Not Classified				-
	Total Utility Plant	$ 1,210,575	$ 608,694	$ -	$ 1,819,269

UTILITY PLANT ACQUISITION ADJUSTMENTS
ACCOUNTS 114 AND 115

Report each acquisition adjustment and related accumulated amortization separately.
For any acquisition adjustments approved by the Commission, include the Order Number.

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
114	Acquisition Adjustment	$			$ -
					-
					-
Total Plant Acquisition Adjustments		$ -	$ -	$ -	$ -
115	Accumulated Amortization	$			$ -
					-
					-
					-
					-
Total Accumulated Amortization		$ -	$ -	$ -	$ -
Net Acquisition Adjustments		$ -	$ -	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

ACCUMULATED DEPRECIATION (ACCT. 108) AND AMORTIZATION (ACCT. 110)

DESCRIPTION (a)	WATER (b)	WASTEWATER (c)	OTHER THAN REPORTING SYSTEMS (d)	TOTAL (e)
ACCUMULATED DEPRECIATION Account 108				
Balance first of year	$ 777,737	$ 485,995	$ -	$ 1,263,732
Credit during year:				
Accruals charged to:				
Account 108.1 (1)	$ 91,579	$ 28,488	$	$ 120,067
Account 108.2 (2)				-
Account 108.3 (2)				-
Other Accounts (specify):				-
				-
Salvage				-
Other Credits (Specify):				-
				-
Total Credits	$ 91,579	$ 28,488	$ -	$ 120,067
Debits during year:				
Book cost of plant retired	-	-		-
Cost of Removal				-
Other Debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ 869,316	$ 514,483	$ -	$ 1,383,799
ACCUMULATED AMORTIZATION Account 110				
Balance first of year	$	$	$	$ -
Credit during year:				
ccruals charged to:				
	$	$	$	$ -
Account 110.2 (3)				-
Other Accounts (specify):				-
				-
Total credits	$ -	$ -	$ -	$ -
Debits during year:				
Book cost of plant retired				-
Other debits (specify):				-
				-
Total Debits	$ -	$ -	$ -	$ -
Balance end of year	$ -	$ -	$ -	$ -

(1) Account 108 for Class B utilities.

(2) Not applicable for Class B utilities.

(3) Account 110 for Class B utilities.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

REGULATORY COMMISSION EXPENSE
AMORTIZATION OF RATE CASE EXPENSE (ACCOUNTS 666 AND 766)

DESCRIPTION OF CASE (DOCKET NO.) (a)	EXPENSE INCURRED DURING YEAR (b)	CHARGED OFF DURING YEAR	
		ACCT. (d)	AMOUNT (e)
None	$		$
Total	$		$

NONUTILITY PROPERTY (ACCOUNT 121)

Report separately each item of property with a book cost of $25,000 or more included in Account 121.
Other Items may be grouped by classes of property.

DESCRIPTION (a)	BEGINNING YEAR (b)	ADDITIONS (c)	REDUCTIONS (d)	ENDING YEAR BALANCE (e)
None	$	$	$	$
Total Nonutility Property	$ -	$ -	$ -	$ -

SPECIAL DEPOSITS (ACCOUNTS 132 AND 133)

Report hereunder all special deposits carried in Accounts 132 and 133.

DESCRIPTION OF SPECIAL DEPOSITS (a)	YEAR END BOOK COST (b)
SPECIAL DEPOSITS (Account 132):	
Total Special Deposits	$ -
OTHER SPECIAL DEPOSITS (Account 133):	
Total Other Special Deposits	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

INVESTMENTS AND SPECIAL FUNDS
ACCOUNTS 123 - 127

Report hereunder all investments and special funds carried in Accounts 123 through 127.

DESCRIPTION OF SECURITY OR SPECIAL FUND (a)	FACE OR PAR VALUE (b)	YEAR END BOOK COST (c)
INVESTMENT IN ASSOCIATED COMPANIES (Account 123):	$	$
None		
Total Investment in Associated Companies		$
UTILITY INVESTMENTS (Account 124):	$	$
None		
Total Utility Investment		$
OTHER INVESTMENTS (Account 125):	$	$
None		
Total Other Investment		$
SPECIAL FUNDS (Class A Utilities: Accounts 126 and 127; Class B Utilities: Account 127):		$
None		
Total Special Funds		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

ACCOUNTS AND NOTES RECEIVABLE - NET
ACCOUNTS 141 - 144

Report hereunder all accounts and notes receivable included in Accounts 141, 142, and 144. Amounts included in Amounts included in Accounts 142 and 144 should be listed individually.

DESCRIPTION (a)		TOTAL (b)
CUSTOMER ACCOUNTS RECEIVABLE (Account 141):		
Water & Wastewater	$ 36,125	
Other	22,500	
Total Customer Accounts Receivable		$ 58,625
OTHER ACCOUNTS RECEIVABLE (Account 142):		
Employee accounts receivable	$	
Total Other Accounts Receivable		$ -
NOTES RECEIVABLE (Account 144):		
	$	
None		
Total Notes Receivable		$ -
Total Accounts and Notes Receivable		$ 58,625
ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (Account 143)		
Balance first of year	$	
Add: Provision for uncollectibles for current year	$	
Collection of accounts previously written off		
Utility Accounts		
Others		
Total Additions	$ -	
Deduct accounts written off during year:		
Utility Accounts		
Others		
Total accounts written off	$ -	
Balance end of year		$ -
TOTAL ACCOUNTS AND NOTES RECEIVABLE - NET		$ 58,625

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 145

Report each account receivable from associated companies separately.

DESCRIPTION (a)	TOTAL (b)
	$
Due From BFF Corp	12,500
Due FromCFAT	10,000
Total	$ 22,500

NOTES RECEIVABLE FROM ASSOCIATED COMPANIES
ACCOUNT 146

Report each note receivable from associated companies separately.

DESCRIPTION (a)	INTEREST RATE (b)	TOTAL (c)
	%	$
Due from BFF	%	
	%	
	%	
	%	
Total		$

MISCELLANEOUS CURRENT AND ACCRUED ASSETS
ACCOUNT 174

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
	$
None	
Total Miscellaneous Current and Accrued Liabilities	$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT
ACCOUNTS 181 AND 251

Report the net discount and expense or premium separately for each security issue.

DESCRIPTION (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
UNAMORTIZED DEBT DISCOUNT AND EXPENSE (Account 181):	$	$
Unamortized Debt Discount	1,046	
Total Unamortized Debt Discount and Expense	$ 1,046	$
UNAMORTIZED PREMIUM ON DEBT (Account 251):	$	$
None		
Total Unamortized Premium on Debt	$	$ -

EXTRAORDINARY PROPERTY LOSSES
ACCOUNT 182

Report each item separately.

DESCRIPTION (a)	TOTAL (b)
	$
None	
Total Extraordinary Property Losses	$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

MISCELLANEOUS DEFERRED DEBITS
ACCOUNT 186

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
DEFERRED RATE CASE EXPENSE (Class A Utilities: Account 186.1)		
	$	$
Total Deferred Rate Case Expense	$ -	$ -
OTHER DEFERRED DEBITS (Class A Utilities: Account 186.2):		
	$	
Total Other Deferred Debits	$ -	$ -
REGULATORY ASSETS (Class A Utilities: Account. 186.3):		
	$	$
Total Regulatory Assets	$ -	$ -
TOTAL MISCELLANEOUS DEFERRED DEBITS	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

CAPITAL STOCK
ACCOUNTS 201 AND 204*

DESCRIPTION (a)	RATE (b)	TOTAL (c)
COMMON STOCK		
Par or stated value per share	%	$ 1
Shares authorized		200
Shares issued and outstanding		200
Total par value of stock issued	%	$ 200
Dividends declared per share for year	%	$ -
PREFERRED STOCK		
Par or stated value per share	None %	$
Shares authorized		
Shares issued and outstanding		
Total par value of stock issued	%	$
Dividends declared per share for year	%	$

* Account 204 not applicable for Class B utilities.

BONDS
ACCOUNT 221

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total			$

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

STATEMENT OF RETAINED EARNINGS

1. Dividends should be shown for each class and series of capital stock. Show amounts as dividends per share.
2. Show separately the state and federal income tax effect of items shown in Account No. 439.

ACCT. NO. (a)	DESCRIPTION (b)	AMOUNTS (c)
215	Unappropriated Retained Earnings:	
	Balance Beginning of Year	$ (385,718)
	Changes to Account:	
439	Adjustments to Retained Earnings (requires Commission approval prior to use):	
	Credits:	$
	Total Credits:	$ (11,506)
	Debits:	$
	Total Debits:	$ -
435	Balance Transferred from Income	$
436	Appropriations of Retained Earnings:	
	Total Appropriations of Retained Earnings	$ -
	Dividends Declared:	
437	Preferred Stock Dividends Declared	
438	Common Stock Dividends Declared — Shareholder Distributions	
	Total Dividends Declared	$ -
215	Year end Balance	$ (397,224)
214	Appropriated Retained Earnings (state balance and purpose of each appropriated amount at year end):	
214	Total Appropriated Retained Earnings	$ -
Total Retained Earnings		$ (397,224)

Notes to Statement of Retained Earnings:

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

ADVANCES FROM ASSOCIATED COMPANIES
ACCOUNT 223

Report each advance separately.

DESCRIPTION (a)	TOTAL (b)
	$
Total	$ -

OTHER LONG-TERM DEBT
ACCOUNT 224

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
	%		$
Stockholder Loan	0.00 %		393,000
Total			$ 393,000

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

NOTES PAYABLE
ACCOUNTS 232 AND 234

DESCRIPTION OF OBLIGATION (INCLUDING DATE OF ISSUE AND DATE OF MATURITY) (a)	INTEREST		PRINCIPAL AMOUNT PER BALANCE SHEET (d)
	ANNUAL RATE (b)	FIXED OR VARIABLE * (c)	
NOTES PAYABLE (Account 232):			
	%		$
SBA Loan			
	%		
	%		
	%		
	%		
	%		
Total Account 232			$ -
NOTES PAYABLE TO ASSOC. COMPANIES (Account 234):			
	%		$
None	%		
	%		
	%		
	%		
	%		
	%		
	%		
Total Account 234			$ -

* For variable rate obligations, provide the basis for the rate. (i.e.. prime + 2%, etc.)

ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES
ACCOUNT 233

Report each account payable separately.

DESCRIPTION (a)	TOTAL (b)
	$
Mira International	
Total	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

ACCRUED INTEREST AND EXPENSE
ACCOUNTS 237 AND 427

DESCRIPTION OF DEBIT (a)	BALANCE BEGINNING OF YEAR (b)	INTEREST ACCRUED DURING YEAR ACCT. DEBIT (c)	INTEREST ACCRUED DURING YEAR AMOUNT (d)	INTEREST PAID DURING YEAR (e)	BALANCE END OF YEAR (f)
ACCOUNT NO. 237.1 - Accrued Interest on Long Term Debt	$		$	$	$
	-	427.4	4,686	4,686	
Total Account 237.1	$ -		$	$	$ -
ACCOUNT NO. 237.2 - Accrued Interest on Other Liabilities	$	427	$		$
Total Account 237.2	$ -		$ -	$ -	$ -
Total Account 237 (1)	$ -		$ -	$ -	$ -
INTEREST EXPENSED: Total accrual Account 237		237	$ -		
Less Capitalized Interest Portion of AFUDC:					
Net Interest Expensed to Account No. 427 (2)			$ -		

(1) Must agree to F-2 (a), Beginning and Ending Balance of Accrued Interest.

(2) Must agree to F-3 (c), Current Year Interest Expense

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES
ACCOUNT 241

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
Refund Checks Returned	$ 581
Total Miscellaneous Current and Accrued Liabilities	$ 581

ADVANCES FOR CONSTRUCTION
ACCOUNT 252

NAME OF PAYOR * (a)	BALANCE BEGINNING OF YEAR (b)	DEBITS		CREDITS (e)	BALANCE END OF YEAR (f)
		ACCT. DEBIT (c)	AMOUNT (d)		
	$	252	$		$ -
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
		252			-
Total	$ -		$ -	$ -	$ -

* Report advances separately by reporting group, designating water or wastewater in column (a).

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	WATER (W-7) (b)	WASTEWATER (S-7) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 332,247	$ 545,676	$	$ 877,923
Add credits during year:	$ 3,500	-	-	3,500
Less debit charged during the year	$ -	$ 7,212	$ -	$ 7,212
Total Contribution In Aid of Construction	$ 335,747	$ 538,464	$ -	$ 874,211

ACCUMULATED AMORTIZATION OF CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 272

DESCRIPTION (a)	WATER (W-8(a)) (b)	WASTEWATER (S-8(a)) (c)	W & WW OTHER THAN SYSTEM REPORTING (d)	TOTAL (e)
Balance first of year	$ 332,247	$ 538,464	$	$ 870,711
Debits during the year:	$ 3,500	7,212		$ 10,712
Credits during the year	$ -	$ -	$	$ -
Total Accumulated Amortization of Contributions In Aid of Construction	$ 335,747	$ 545,676	$ -	$ 881,423

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

OTHER DEFERRED CREDITS
ACCOUNT 253

DESCRIPTION - Provide itemized listing (a)	AMOUNT WRITTEN OFF DURING YEAR (b)	YEAR END BALANCE (c)
REGULATORY LIABILITIES (Class A Utilities: Account 253.1):		
None	$	$
Total Regulatory Liabilities	$ -	$ -
OTHER DEFERRED LIABILITIES (Class A Utilities: Account 253.2):		
None	$	$
Total Other Deferred Liabilities	$ -	$ -
TOTAL OTHER DEFERRED CREDITS	$ -	$ -

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES (UTILITY OPERATIONS)

1. The reconciliation should include the same detail as furnished on Schedule M-1 of the federal tax return for the year. The reconciliation shall be submitted even though there is no taxable income for the year. Descriptions should clearly indicate the nature of each reconciling amount and show the computations of all tax accruals.

2. If the utility is a member of a group which files a consolidated federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating intercompany amounts to be eliminated in such consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignments or sharing of the consolidated tax among the group members.

DESCRIPTION (a)	REF. NO. (b)	AMOUNT (c)
Net income for the year	F-3(c)	$ -
Reconciling items for the year:		
Taxable income not reported on books:		
		-
		-
Deductions recorded on books not deducted for return:		
		-
		-
Income recorded on books not included in return:		
		-
		-
		-
		-
Deduction on return not charged against book income:		
		-
		-
		-
		-
Federal tax net income		$ -

Computation of tax :

This Corporation is an "S" Corporation, therfore this schedule is not applicable

WATER
OPERATION
SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

WATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The water financial schedules (W-2 through W-10) should be filed for the group in total.
The water engineering schedules (W-11 through W-14) must be filed for each system in the group.
All of the following water pages (W-2 through W-14) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-10-AR	1

YEAR OF REPORT
December 31, 2022

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

SCHEDULE OF YEAR END WATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WATER UTILITY (d)
101	Utility Plant In Service	W-4(b)	$ 1,210,575
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	W-6(b)	869,316
110	Accumulated Amortization		
271	Contributions in Aid of Construction	W-7	335,747
252	Advances for Construction		-
	Subtotal		$ 5,512
272	Add: Accumulated Amortization of Contributions in Aid of Construction	W-8(a)	$ 335,747
	Subtotal		$ 341,259
	Plus or Minus:		
114	Acquisition Adjustments (2)		-
115	Accumulated Amortization of Acquisition Adjustments (2)		-
	Working Capital Allowance (3)		20,939
	Other (Specify):		
105	Construction in Process		-
	WATER RATE BASE		$ 362,198
	WATER OPERATING INCOME	W-3	$ (50,762)
	ACHIEVED RATE OF RETURN (Water Operating Income / Water Rate Base)		-14.02%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	CURRENT YEAR (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	W-9	$ 216,028
469	Less: Guaranteed Revenue and AFPI	W-9	-
	Net Operating Revenues		$ 216,028
401	Operating Expenses	W-10(a)	$ 167,514
403	Depreciation Expense	W-6(a)	91,579
	Less: Amortization of CIAC	W-8(a)	3,500
	Net Depreciation Expense		$ 88,079
406	Amortization of Utility Plant Acquisition Adjustment		
407	Amortization Expense (Other than CIAC)		-
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		9,721
408.11	Property Taxes		1,476
408.12	Payroll Taxes		
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 11,197
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 266,790
	Utility Operating Income		$ (50,762)
	Add Back:		
469	Guaranteed Revenue (and AFPI)	W-9	$ -
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ (50,762)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
301	1993 Rate Case Expense	$ 482	$		$ 482
302	Franchises	925			925
303	Land and Land Rights	182,500			182,500
304	Structures and Improvements	122,472			122,472
305	Collecting and Impounding Reservoirs	0			
306	Lake, River and Other Intakes	0			
307	Wells and Springs	0			
309	Supply Mains	2,469			2,469
310	Power Generation Equipment	19,734			19,734
311	Pumping Equipment	76,013		524	75,489
320	Water Treatment Equipment	6,568		304	6,264
330	Distribution Reservoirs and Standpipes	292,464		3,585	288,879
331	Transmission and Distribution Mains	282,945			282,945
333	Services	69,852			69,852
334	Meters and Meter Installations	194,345		51,563	142,782
335	Hydrants	8,000			8,000
336	Backflow Prevention Devices	0			
339	Other Plant Miscellaneous Equipment	1,462		1,157	305
340	Office Furniture and Equipment	5,740			5,740
341	Transportation Equipment	800			800
342	Stores Equipment	0			
343	Tools, Shop and Garage Equipment	937			937
344	Laboratory Equipment	0			
345	Power Operated Equipment	0			
346	Communication Equipment	0			
347	Miscellaneous Equipment	0			
349	Abandonment of Regional Plant	0			
	TOTAL WATER PLANT	$ 1,267,708	$	$ 57,133	$ 1,210,575

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

ГILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

ſSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 INTANGIBLE PLANT (d)	.2 SOURCE OF SUPPLY AND PUMPING PLANT (e)	.3 WATER TREATMENT PLANT (f)	.4 TRANSMISSION AND DISTRIBUTION PLANT (g)	.5 GENERAL PLANT (h)
301	1993 Rate Case Expense	$ 482	$ 482	$	$	$	$
302	Franchises	925	925				
303	Land and Land Rights	182,500		182,500			
304	Structures and Improvements	122,472		122,472			
305	Collecting and Impounding Reservoirs						
306	Lake, River and Other Intakes						
307	Wells and Springs						
309	Supply Mains	2,469		2,469			
310	Power Generation Equipment	19,734		19,734			
311	Pumping Equipment	75,489		75,489			
320	Water Treatment Equipment	6,264			6,264		
330	Distribution Reservoirs and Standpipes	288,879				288,879	
331	Transmission and Distribution Mains	282,945				282,945	
333	Services	69,852				69,852	
334	Meters and Meter Installations	142,782				142,782	
335	Hydrants	8,000				8,000	
336	Backflow Prevention Devices						
339	Other Plant Miscellaneous Equipment	305	305				
340	Office Furniture and Equipment	5,740					5,740
341	Transportation Equipment	800					800
342	Stores Equipment						
343	Tools, Shop and Garage Equipment	937					937
344	Laboratory Equipment						
345	Power Operated Equipment						
346	Communication Equipment						
347	Miscellaneous Equipment						
349	Abandonment of Regional Plant						
	TOTAL WATER PLANT	$ 1,210,575	$ 1,712	$ 402,664	$ 6,264	$ 792,457	$ 7,477

YEAR OF REPORT
December 31, 2022

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

BASIS FOR WATER DEPRECIATION CHARGES

ACCT. NO.	ACCOUNT NAME	AVERAGE SERVICE LIFE IN YEARS	AVERAGE NET SALVAGE IN PERCENT	DEPRECIATION RATE APPLIED IN PERCENT (100% - d) / c
(a)	(b)	(c)	(d)	(e)
301	1993 Rate Case Expense	4		25.00%
302	Franchises	29		
304	Structures and Improvements	27		3.70%
305	Collecting and Impounding Reservoirs			
306	Lake, River and Other Intakes			
307	Wells and Springs	15		6.67%
309	Supply Mains	32		3.13%
310	Power Generation Equipment	15		6.67%
311	Pumping Equipment	15		6.67%
320	Water Treatment Equipment	7		14.29%
330	Distribution Reservoirs and Standpipes	30		3.33%
331	Transmission and Distribution Mains	40		2.50%
333	Services	35		2.86%
334	Meters and Meter Installations	17		5.88%
335	Hydrants	20		5.00%
336	Backflow Prevention Devices			
339	Other Plant Miscellaneous Equipment	6		16.67%
340	Office Furniture and Equipment	6		16.67%
341	Transportation Equipment	6		16.67%
342	Stores Equipment			
343	Tools, Shop and Garage Equipment	15		6.67%
344	Laboratory Equipment			
345	Power Operated Equipment			
346	Communication Equipment			
347	Miscellaneous Equipment			
349	Abandonment of Regional Plant			
	Water Plant Composite Depreciation Rate *			

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
301	1993 Rate Case Expense	$ 482	$		$ 0
302	Franchises	925			0
304	Structures and Improvements	101,596	4,531		4,531
305	Collecting and Impounding Reservoirs				0
306	Lake, River and Other Intakes	0			0
307	Wells and Springs	0			0
309	Supply Mains	2,138	77		77
310	Power Generation Equipment	19,733			0
311	Pumping Equipment	76,013			0
320	Water Treatment Equipment	6,568			0
330	Distribution Reservoirs and Standpipes	199,299	9,629		9,629
331	Transmission and Distribution Mains	202,620	7,074		7,074
333	Services	52,033	1,996		1,996
334	Meters and Meter Installations	101,099	5,442		5,442
335	Hydrants	6,860	400		400
336	Backflow Prevention Devices	0			0
339	Other Plant Miscellaneous Equipment	896	51		51
340	Office Furniture and Equipment	5,739			0
341	Transportation Equipment	800			0
342	Stores Equipment	0			0
343	Tools, Shop and Garage Equipment	936			0
344	Laboratory Equipment	0			0
345	Power Operated Equipment	0			0
346	Communication Equipment	0			0
347	Miscellaneous Equipment	0			0
349	Audit adj		62,379		62,379
TOTAL WATER ACCUMULATED DEPRECIATION		$ 777,737	$ 91,579	$ 0	$ 91,579

* Specify nature of transaction
Use ( ) to denote reversal entries.

W-6(a)
GROUP 1

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WATER ACCUMULATED DEPRECIATION (CONT'D)

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
301	1993 Rate Case Expense	$			$ 0	$ 482
302	Franchises				0	925
304	Structures and Improvements				0	106,127
305	Collecting and Impounding Reservoirs				0	0
306	Lake, River and Other Intakes				0	0
307	Wells and Springs				0	0
309	Supply Mains				0	2,215
310	Power Generation Equipment				0	19,733
311	Pumping Equipment				0	76,013
320	Water Treatment Equipment				0	6,568
330	Distribution Reservoirs and Standpipes				0	208,928
331	Transmission and Distribution Mains				0	209,694
333	Services				0	54,029
334	Meters and Meter Installations				0	106,541
335	Hydrants				0	7,260
336	Backflow Prevention Devices				0	0
339	Other Plant Miscellaneous Equipment				0	947
340	Office Furniture and Equipment				0	5,739
341	Transportation Equipment				0	800
342	Stores Equipment				0	0
343	Tools, Shop and Garage Equipment				0	936
344	Laboratory Equipment				0	0
345	Power Operated Equipment				0	0
346	Communication Equipment				0	0
347	Miscellaneous Equipment				0	0
349	Abandonment of Regional Plant					62,379
TOTAL WATER ACCUMULATED DEPRECIATION		$ 0	$ 0	$ 0	$ 0	$ 869,316

YEAR OF REPORT
December 31, 2022

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WATER (c)
Balance first of year		$ 332,247
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	W-8(a)	$ 3,500
Contributions received from Developer or Contractor Agreements in cash or property	W-8(a)	0
Total Credits		$ 3500
Less debits charged during the year (All debits charged during the year must be explained below)		$
Total Contributions In Aid of Construction		$ 335,747

If any prepaid CIAC has been collected, provide a supporting schedule showing how the amount is determined.

Explain all debits charged to Account 271 during the year below:

YEAR OF REPORT
December 31, 2022

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY, MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
			$ -
			-
			-
			-
			-
			-
			-
Total Credits			$

ACCUMULATED AMORTIZATION OF WATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WATER (b)
Balance first of year	$ 332,247
Debits during the year:	
Accruals charged to Account 272	$ 3,500
Other debits (specify) :	
Total debits	$ 3,500
Credits during the year (specify) :	
	$ 0
Total credits	$ -
Balance end of year	$ 335,747

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$
Total Credits		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS (d)	AMOUNT (e)
	Water Sales:			
460	Unmetered Water Revenue			$
	Metered Water Revenue:			
461.1	Sales to Residential Customers	449	479	142,647
461.2	Sales to Commercial Customers	55	42	65,401
461.3	Sales to Industrial Customers			
461.4	Sales to Public Authorities			
461.5	Sales Multiple Family Dwellings			
	Total Metered Sales	504	521	$ 208,048
	Fire Protection Revenue:			
462.1	Public Fire Protection			
462.2	Private Fire Protection			
	Total Fire Protection Revenue	-	-	$ -
464	Other Sales To Public Authorities			
465	Sales To Irrigation Customers			
466	Sales For Resale			
467	Interdepartmental Sales			
	Total Water Sales	504	521	$ 208,048
	Other Water Revenues:			
469	Guaranteed Revenues (Including Allowance for Funds Prudently Invested or AFPI)			$
470	Forfeited Discounts			
471	Miscellaneous Service Revenues			
472	Rents From Water Property			
473	Interdepartmental Rents			
474	Other Water Revenues			7,980
	Total Other Water Revenues			$ 7,980
	Total Water Operating Revenues			$ 216,028

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER UTILITY EXPENSE ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 SOURCE OF SUPPLY AND EXPENSES - OPERATIONS (d)	.2 SOURCE OF SUPPLY AND EXPENSES - MAINTENANCE (e)
601	Salaries and Wages - Employees	$ 34,800	$ 3,480	3,480
603	Salaries and Wages - Officers, Directors and Majority Stockholders	30,600 -	3,060	3,060
604	Employee Pensions and Benefits	4,320	432	432
610	Purchased Water	-		
615	Purchased Power	13,113	13,113	
616	Fuel for Power Production	-		
618	Chemicals	2,088	2,088	
620	Materials and Supplies	-		
631	Contractual Services-Engineering	888		
632	Contractual Services - Accounting			
633	Contractual Services - Legal	-		
634	Contractual Services - Mgt. Fees	32,400		
635	Contractual Services - Testing			
636	Contractual Services - Other	7,560	7,560	
641	Rental of Building/Real Property	7,200		
642	Rental of Equipment	-		
650	Transportation Expenses	-		
656	Insurance - Vehicle	-		
657	Insurance - General Liability	9,663	9,663	
658	Insurance - Workman's Comp.	-		
659	Insurance - Other	-		
660	Advertising Expense	-		
666	Regulatory Commission Expenses - Amortization of Rate Case Expense			
667	Regulatory Commission Exp.-Other			
668	Water Resource Conservation Exp.	-		
670	Bad Debt Expense			
675	Miscellaneous Expenses	$ 24,882	395	2,604
	Total Water Utility Expenses	$ 167,514	$ 33,251	$ 9,576

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WATER EXPENSE ACCOUNT MATRIX

.3 WATER TREATMENT EXPENSES - OPERATIONS (f)	.4 WATER TREATMENT EXPENSES - MAINTENANCE (g)	.5 TRANSMISSION & DISTRIBUTION EXPENSES - OPERATIONS (h)	.6 TRANSMISSION & DISTRIBUTION EXPENSES - MAINTENANCE (i)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)
3,480	3,480	**3,480**	3,480	10,440	3,480
3,060	3,060	3,060	3,060	9,180	3,060
432	432	432	432	1,296	432
				-	-
				25,920	6,480
	250				
				5,760	1,440
3,792	75	13,696	4,320		
$ 10,764	$ 7,297	$ 20,668	$ 11,292	$ 52,596	$ 14,892

W-10(b)
GROUP 1

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

PUMPING AND PURCHASED WATER STATISTICS

MONTH (a)	WATER PURCHASED FOR RESALE (Omit 000's) (b)	FINISHED WATER PUMPED FROM WELLS (Omit 000's) (c)	WATER USED FOR LINE FLUSHING, FIGHTING FIRES, ETC. (d)	TOTAL WATER PUMPED AND PURCHASED (Omit 000's) [(b)+(c)-(d)] (e)	WATER SOLD TO CUSTOMERS (Omit 000's) (f)
January	0	2,113	0	2,113	2,113
February	0	2,088	1	2,087	2,087
March	0	1,982	0	1,982	1,982
April	0	2,346	0	2,346	2,346
May	0	2,429	2	2,427	2,427
June	0	2,378	0	2,378	2,378
July	0	3,548	0	3,548	3,548
August	0	3,870	0	3,870	3,870
September	0	3,714	0	3,714	3,714
October	0	3,441	487	2,954	2,954
November	0	2,075	0	2,075	2,075
December	0	2,025	-1	2,026	2,026
Total for Year	-	32,009	489	31,520	31,520

If water is purchased for resale, indicate the following:

Vendor _____

Point of delivery _____

If water is sold to other water utilities for redistribution, list names of such utilities below:

_____

_____

_____

SOURCE OF SUPPLY

List for each source of supply:	CAPACITY OF WELL	GALLONS PER DAY FROM SOURCE	TYPE OF SOURCE
Backup Well	5,000,000 *	0	Well
Backup Well	5,000,000 *	0	Well
Main Well	47,450,000 *	130,000	Well

* Annual

YEAR OF REPORT
December 31, 2022

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each water treatment facility

Permitted Capacity of Plant (GPD): 108,500

Location of measurement of capacity (i.e. Wellhead, Storage Tank): Flow Meter

Type of treatment (reverse osmosis, (sedimentation, chemical, aerated, etc.): Liquid Chlorinated

LIME TREATMENT

Unit rating (i.e., GPM, pounds per gallon): N/A Manufacturer:

FILTRATION

Type and size of area:

Pressure (in square feet): N/A Manufacturer:

Gravity (in GPM/square feet): Manufacturer:

YEAR OF REPORT
December 31, 2022

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CALCULATION OF THE WATER SYSTEM METER EQUIVALENTS

METER SIZE (a)	TYPE OF METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential				
5/8"	Displacement	1.0	464	464
3/4"	Displacement	1.5		
1"	Displacement	2.5	32	80
1 1/4"	Displacement, Compound or Turbine	3.8		
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
			Total Water System Meter Equivalents	616

CALCULATION OF THE WATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one water equivalent residential connection (ERC).
Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:
ERC = (Total SFR gallons sold (Omit 000) / 365 days / 350 gallons per day)

ERC Calculation:

21,170,000 gallons sold / 470 average SFR Customers / 365 days 218

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

SCHEDULE OF YEAR END WASTEWATER RATE BASE

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
101	Utility Plant In Service	S-4(a)	$ 608,694
	Less: Nonused and Useful Plant (1)		
108	Accumulated Depreciation	S-6(b)	514,483
110	Accumulated Amortization		
271	Contributions in Aid of Construction	S-7	538,464
252	Advances for Construction	F-20	0
	Subtotal		$ -444,253
272	Add: Accumulated Amortization of Contributions in Aid of Construction	S-8(a)	$ 545,676
	Subtotal		$ 101,423
	Plus or Minus:		
114	Acquisition Adjustments (2)		
115	Accumulated Amortization of Acquisition Adjustments (2)		
	Working Capital Allowance (3)		25,108
	Other (Specify):		
	WASTEWATER RATE BASE		$ 126,531
	WASTEWATER OPERATING INCOME	S-3	$ -565,765
	ACHIEVED RATE OF RETURN (Wastewater Operating Income / Wastewater Rate Base)		-447.13%

NOTES : (1) Estimate based on the methodology used in the last rate proceeding.

(2) Include only those Acquisition Adjustments that have been approved by the Commission.

(3) Calculation consistent with last rate proceeding.
In absence of a rate proceeding, Class A utilities will use the Balance Sheet Method and Class B Utilities will use the One-eighth Operating and Maintenance Expense Method.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

OTHER WATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present ERC's * the system can efficiently serve. 600
2. Maximum number of ERCs * which can be served. 600
3. Present system connection capacity (in ERCs *) using existing lines. 470
4. Future connection capacity (in ERCs *) upon service area buildout. 130
5. Estimated annual increase in ERCs *. 1
6. Is the utility required to have fire flow capacity? ____ Yes
   If so, how much capacity is required? _____ 1500 GPM
7. Attach a description of the fire fighting facilities. Fire Truck Tank Refill, Fire Hydrants, and Commercial Sprinkler System
8. Describe any plans and estimated completion dates for any enlargements or improvements of this system N/A

9. When did the company last file a capacity analysis report with the DEP? _____ Dec-14
10. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? _____
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? __NO_____
11. Department of Environmental Protection ID # _____ 3424620
12. Water Management District Consumptive Use Permit 2995
    a. Is the system in compliance with the requirements of the CUP? ____ Yes
    b. If not, what are the utility's plans to gain compliance? _____

* An ERC is determined based on the calculation on the bottom of Page W-13.

WASTEWATER OPERATION SECTION

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

WASTEWATER LISTING OF SYSTEM GROUPS

List below the name of each reporting system and its certificate number. Those systems which have been consolidated under the same tariff should be assigned a group number. Each individual system which has not been consolidated should be assigned its own group number.
The wastewater financial schedules (S-2 through S-10) should be filed for the group in total.
The wastewater engineering schedules (S-11 through S-13) must be filed for each system in the group.
All of the following wastewater pages (S-2 through S-13) should be completed for each group and arranged by group number.

SYSTEM NAME / COUNTY	CERTIFICATE NUMBER	GROUP NUMBER
Tradewinds Utilities, Inc / Marion County	WS350-12-AR	

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING STATEMENT

ACCT. NO. (a)	ACCOUNT NAME (b)	REFERENCE PAGE (c)	WASTEWATER UTILITY (d)
	UTILITY OPERATING INCOME		
400	Operating Revenues	S-9	$ 240,294
530	Less: Guaranteed Revenue (and AFPI)	S-9	0
	Net Operating Revenues		$ 240,294
401	Operating Expenses	S-10(a)	$ 200,865
403	Depreciation Expense	S-6(a)	28,488
	Less: Amortization of CIAC	S-8(a)	7,212
	Net Depreciation Expense		$ 21,276
406	Amortization of Utility Plant Acquisition Adjustment	F-7	
407	Amortization Expense (Other than CIAC)	F-8	0
	Taxes Other Than Income		
408.10	Utility Regulatory Assessment Fee		10,065
408.11	Property Taxes		1,293
408.12	Payroll Taxes		
408.13	Other Taxes and Licenses		
408	Total Taxes Other Than Income		$ 11,358
409.1	Income Taxes		
410.10	Deferred Federal Income Taxes		
410.11	Deferred State Income Taxes		
411.10	Provision for Deferred Income Taxes - Credit		
412.10	Investment Tax Credits Deferred to Future Periods		
412.11	Investment Tax Credits Restored to Operating Income		
	Utility Operating Expenses		$ 233,499
	Utility Operating Income		$ 6,795
	Add Back:		
530	Guaranteed Revenue (and AFPI)	W-9	$
413	Income From Utility Plant Leased to Others		
414	Gains (losses) From Disposition of Utility Property		-572,560
420	Allowance for Funds Used During Construction		
	Total Utility Operating Income		$ (565,765)

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY PLANT ACCOUNTS

ACCT. NO. (a)	ACCOUNT NAME (b)	PREVIOUS YEAR (c)	ADDITIONS (d)	RETIREMENTS (e)	CURRENT YEAR (f)
351	Organization	$ 947	$	$	$ 947
352	Franchises	3,806			3,806
353	Land and Land Rights				0
354	Structures and Improvements				0
355	Power Generation Equipment	0			0
360	Collection Sewers - Force	33,459		12	33,447
361	Collection Sewers - Gravity	141,888			141,888
362	Special Collecting Structures	2,531		1,464	1,067
363	Services to Customers	64,155			64,155
364	Flow Measuring Devices	1,711	207,730		209,441
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	245,339		119,725	125,614
371	Pumping Equipment	0			0
374	Reuse Distribution Reservoirs	0			0
375	Reuse Transmission and Distribution System	0			0
380	Treatment and Disposal Equipment				0
381	Plant Sewers				0
382	Outfall Sewer Lines	8,821		7,851	970
389	Other Plant Miscellaneous Equipment	7,567		2,429	5,138
390	Office Furniture and Equipment	5,397			5,397
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,135		360	775
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			16,049
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Other Tangible Plant	0			0
	Total Wastewater Plant	$ 532,805	$ 207,730	$ 131,841	$ 608,694

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

CONTRIBUTIONS IN AID OF CONSTRUCTION
ACCOUNT 271

DESCRIPTION (a)	REFERENCE (b)	WASTEWATER (c)
Balance first of year		$ 545,676
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	S-8(a)	$ 0
Contributions received from Developer or Contractor Agreements in cash or property	S-8(a)	
Total Credits		$ 0
Less debits charged during the year (All debits charged during the year must be explained below)		$ -7,212
Total Contributions In Aid of Construction		$ 538,464

Explain all debits charged to Account 271 during the year below:

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY PLANT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (f)	.1 INTANGIBLE PLANT (g)	.2 COLLECTION PLANT (h)	.3 SYSTEM PUMPING PLANT (i)	.4 TREATMENT AND DISPOSAL (j)	.5 GENERAL PLANT (h)
351	Organization	$ 947	$ 947	$	$	$	$
352	Franchises	3,806	3,806				
353	Land and Land Rights	0		0			
354	Structures and Improvements	0		0			
355	Power Generation Equipment	0		0			
360	Collection Sewers - Force	33,447		33,447			
361	Collection Sewers - Gravity	141,888		141,888			
362	Special Collecting Structures	1,067		1,067			
363	Services to Customers	64,155		64,155			
364	Flow Measuring Devices	209,441		209,441			
365	Flow Measuring Installations	0		0			
366	Reuse Services	0		0			
367	Reuse Meters and Meter Installations	0		0			
370	Receiving Wells	125,614			125,614		
371	Pumping Equipment	0			0		
374	Reuse Distribution Reservoirs	0			0		
375	Reuse Transmission and	0			0		
	Distribution System	0			0		
380	Treatment and Disposal Equipment	0				0	
381	Plant Sewers	0				0	
382	Outfall Sewer Lines	970				970	
389	Other Plant Miscellaneous Equipment	5,138		5,138			
390	Office Furniture and Equipment	5,397					5,397
391	Transportation Equipment	0					0
392	Stores Equipment	0					0
393	Tools, Shop and Garage Equipment	775					775
394	Laboratory Equipment	0					0
395	Power Operated Equipment	16,049		16,049			
396	Communication Equipment	0					0
397	Miscellaneous Equipment	0					0
398	Other Tangible Plant	0					0
	Total Wastewater Plant	$ 608,694	$ 4,753	$ 471,185	$ 125,614	$ 970	$ 6,172

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

BASIS FOR WASTEWATER DEPRECIATION CHARGES

ACCT. NO. (a)	ACCOUNT NAME (b)	AVERAGE SERVICE LIFE IN YEARS (c)	AVERAGE NET SALVAGE IN PERCENT (d)	DEPRECIATION RATE APPLIED IN PERCENT (100% - D) / C (e)
351	Organizational	29		3.45%
352	Franchises	3		33.33%
354	Structures and Improvements	27		3.70%
360	Collection Sewers - Force	27		3.70%
361	Collection Sewers - Gravity	40		2.50%
362	Special Collecting Structures	37		2.70%
363	Services to Customers	35		2.86%
364	Flow Measuring Devices	17		5.88%
365	Flow Measuring Installations			
366	Reuse Services			
367	Reuse Meters and Meter Installations			
370	Receiving Wells	18		5.56%
371	Pumping Equipment			
375	Reuse Transmission and Distribution System			
380	Treatment and Disposal Equipment	15		6.67%
382	Used Plant #3	15		6.67%
389	Other Plant Miscellaneous Equipment	35		2.86%
390	Office Furniture and Equipment	6		16.67%
391	Transportation Equipment			
392	Stores Equipment			
393	Tools, Shop and Garage Equipment	15		6.67%
394	Laboratory Equipment			
395	Tractor & Mower	10		10.00%
396	Communication Equipment			
397	Miscellaneous Equipment			
398	Other Tangible Plant			
Wastewater Plant Composite Depreciation Rate *				

* If depreciation rates prescribed by this Commission are on a total composite basis, entries should be made on this line only.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	BALANCE AT BEGINNING OF YEAR (c)	ACCRUALS (d)	OTHER CREDITS * (e)	TOTAL CREDITS (d + e) (f)
351	Organizational	$ 868	$ 23	$	$ 23
352	Franchises	3,805			0
354	Structures and Improvements				0
355	Power Generation Equipment				0
360	Collection Sewers - Force	34,908	-1,449		-1,449
361	Collection Sewers - Gravity	108,666	3,153		3,153
362	Special Collecting Structures	2,532			0
363	Services to Customers	58,110	3,300		3,300
364	Flow Measuring Devices	1,710			0
365	Flow Measuring Installations	0			0
366	Reuse Services	0			0
367	Reuse Meters and Meter Installations	0			0
370	Receiving Wells	245,339			0
371	Pumping Equipment	0			0
375	Reuse Transmission and Distribution System	0			0
380	Treatment and Disposal Equipment				0
381	Plant Sewers				0
382	Outfall Sewer Lines				0
389	Other Plant Miscellaneous Equipment	7,478	89		89
390	Office Furniture and Equipment	5,396			0
391	Transportation Equipment	0			0
392	Stores Equipment	0			0
393	Tools, Shop and Garage Equipment	1,134			0
394	Laboratory Equipment	0			0
395	Power Operated Equipment	16,049			0
396	Communication Equipment	0			0
397	Miscellaneous Equipment	0			0
398	Audit Adj	0	23,372		23,372
Total Depreciable Wastewater Plant in Service		$ 485,995	$ 28,488	$ 0	$ 28,488

* Specify nature of transaction.
Use ( ) to denote reversal entries.

S-6(a) REVISED
GROUP _____

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

ANALYSIS OF ENTRIES IN WASTEWATER ACCUMULATED DEPRECIATION

ACCT. NO. (a)	ACCOUNT NAME (b)	PLANT RETIRED (g)	SALVAGE AND INSURANCE (h)	COST OF REMOVAL AND OTHER CHARGES (i)	TOTAL CHARGES (g-h+i) (j)	BALANCE AT END OF YEAR (c+f-j) (l)
354	Structures and Improvements	$	$	$	$ 0	$ 891
					0	3,805
354	Structures and Improvements	$	$	$	0	
355	Power Generation Equipment				0	0
360	Collection Sewers - Force				0	33,459
361	Collection Sewers - Gravity				0	111,819
362	Special Collecting Structures				0	2,532
363	Services to Customers				0	61,410
364	Flow Measuring Devices				0	1,710
365	Flow Measuring Installations				0	0
366	Reuse Services				0	0
367	Reuse Meters and Meter Installations				0	0
370	Receiving Wells				0	245,339
371	Pumping Equipment				0	0
375	Reuse Transmission and Distribution System				0	0
380	Treatment and Disposal Equipment				0	
381	Plant Sewers				0	
382	Outfall Sewer Lines				0	0
389	Other Plant Miscellaneous Equipment				0	7,567
390	Office Furniture and Equipment				0	5,396
391	Transportation Equipment				0	0
392	Stores Equipment				0	0
393	Tools, Shop and Garage Equipment				0	1,134
394	Laboratory Equipment				0	0
395	Power Operated Equipment				0	16,049
396	Communication Equipment				0	0
397	Miscellaneous Equipment				0	0
398	Other Tangible Plant				0	23,372
Total Depreciable Wastewater Plant in Service		$ 0	$ 0	$ 0	$ 0	$ 514,483

* Specify nature of transaction.
Use ( ) to denote reversal entries.

YEAR OF REPORT
December 31, 2022

UTILITY NAME: **Tradewinds Utilities, Inc**

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER CIAC SCHEDULE "A"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION RECEIVED FROM CAPACITY,
MAIN EXTENSION AND CUSTOMER CONNECTION CHARGES RECEIVED DURING THE YEAR

DESCRIPTION OF CHARGE (a)	NUMBER OF CONNECTIONS (b)	CHARGE PER CONNECTION (c)	AMOUNT (d)
		$	$
Impact Fee			0
Impact Fee			0
Total Credits			$ 0

ACCUMULATED AMORTIZATION OF WASTEWATER CONTRIBUTIONS IN AID OF CONSTRUCTION

DESCRIPTION (a)	WASTEWATER (b)
Balance first of year	$ 538,464
Debits during the year:	
Accruals charged to Account 272	$ 11,376
Other debits (specify) :	-4,164
Rounding	
Total debits	$ 7,212
Credits during the year (specify) :	$
Total credits	$ 0
Balance end of year	$ 545,676

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER CIAC SCHEDULE "B"

ADDITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION
RECEIVED FROM ALL DEVELOPERS OR CONTRACTORS AGREEMENTS
WHICH CASH OR PROPERTY WAS RECEIVED DURING THE YEAR

DESCRIPTION (a)	INDICATE CASH OR PROPERTY (b)	AMOUNT (c)
		$

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	WASTEWATER SALES			
	Flat Rate Revenues:			
521.1	Residential Revenues			$
521.2	Commercial Revenues			
521.3	Industrial Revenues			
521.4	Revenues From Public Authorities			
521.5	Multiple Family Dwelling Revenues			
521.6	Other Revenues			
521	Total Flat Rate Revenues	0	0	$ 0
	Measured Revenues:			
522.1	Residential Revenues	261	262	179,318
522.2	Commercial Revenues	39	40	60,976
522.3	Industrial Revenues			
522.4	Revenues From Public Authorities			
522.5	Multiple Family Dwelling Revenues			
522	Total Measured Revenues	300	302	$ 240,294
523	Revenues From Public Authorities			
524	Revenues From Other Systems			
525	Interdepartmental Revenues			
	Total Wastewater Sales	300	302	$ 240,294
	OTHER WASTEWATER REVENUES			
530	Guaranteed Revenues			$
531	Sale of Sludge			
532	Forfeited Discounts			
534	Rents From Wastewater Property			
535	Interdepartmental Rents			
536	Other Wastewater Revenues (Including Allowance for Funds Prudently Invested or AFPI)			
	Total Other Wastewater Revenues			$ 0

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER OPERATING REVENUE

ACCT. NO. (a)	DESCRIPTION (b)	BEGINNING YEAR NO. CUSTOMERS * (c)	YEAR END NUMBER OF CUSTOMERS * (d)	AMOUNTS (e)
	RECLAIMED WATER SALES			
	Flat Rate Reuse Revenues:			
540.1	Residential Reuse Revenues			$
540.2	Commercial Reuse Revenues			
540.3	Industrial Reuse Revenues			
540.4	Reuse Revenues From Public Authorities			
540.5	Other Revenues			
540	Total Flat Rate Reuse Revenues			$ 0
	Measured Reuse Revenues:			
541.1	Residential Reuse Revenues			
541.2	Commercial Reuse Revenues			
541.3	Industrial Reuse Revenues			
541.4	Reuse Revenues From Public Authorities			
541	Total Measured Reuse Revenues			$ 0
544	Reuse Revenues From Other Systems			
	Total Reclaimed Water Sales			$ 0
	Total Wastewater Operating Revenues			$ 240,294

* Customer is defined by Rule 25-30.210(1), Florida Administrative Code.

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : Tradewinds Utilities, Inc / Marion County

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	CURRENT YEAR (c)	.1 COLLECTION EXPENSES-OPERATIONS (d)	.2 COLLECTION EXPENSES-MAINTENANCE (e)	.3 PUMPING EXPENSES - OPERATIONS (f)	.4 PUMPING EXPENSES MAINT (g)	.5 TREATMENT & DISPOSAL EXPENSES - OPERATIONS (h)	.6 TREATMENT & DISPOSAL EXPENSES - MAINTENANCE (i)
701	Salaries and Wages - Employees	$ 34,800	$ 8,700		8,700			
703	Salaries and Wages - Officers, Directors and Majority Stockholders	30,600						
704	Employee Pensions and Benefits	4,320	1,080		1,080			
710	Purchased Sewage Treatment							
711	Sludge Removal Expense	12,252						
715	Purchased Power	22,884	11,442		11,442			
716	Fuel for Power Production							
718	Chemicals	8,308	8,308					
720	Materials and Supplies							
731	Contractual Services-Engineering	888	444		444			
732	Contractual Services - Accounting							
733	Contractual Services - Legal							
734	Contractual Services - Mgt. Fees	32,400						
735	Contractual Services - Testing							
736	Contractual Services - Other	18,395	9,198		9,198			
741	Rental of Building/Real Property	7,200						
742	Rental of Equipment							
750	Transportation Expenses							
756	Insurance - Vehicle							
757	Insurance - General Liability	8,790	2,198		2,198			
758	Insurance - Workman's Comp.							
759	Law Suit Settlement							
760	Advertising Expense							
766	Regulatory Commission Expenses - Amortization of Rate Case Expense							
767	Regulatory Commission Exp.-Other							
770	Bad Debt Expense							
775	Miscellaneous Expenses	20,028	4,448	2,604	3,768	4888	4320	
	Total Wastewater Utility Expenses	$ 200,865	$ 45,817	$ 2,604	$	$	$	$ 0

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

WASTEWATER UTILITY EXPENSE ACCOUNT MATRIX

ACCT. NO. (a)	ACCOUNT NAME (b)	.7 CUSTOMER ACCOUNTS EXPENSE (j)	.8 ADMIN. & GENERAL EXPENSES (k)	.9 RECLAIMED WATER TREATMENT EXPENSES-OPERATIONS (l)
701	Salaries and Wages - Employees	$ 8,700		8,700
703	Salaries and Wages - Officers, Directors and Majority Stockholders			
704	Employee Pensions and Benefits	1,080		1,080
710	Purchased Sewage Treatment			
711	Sludge Removal Expense			12,252
715	Purchased Power			
716	Fuel for Power Purchased			
718	Chemicals			
720	Materials and Supplies		0	
731	Contractual Services-Engineering			
732	Contractual Services - Accounting		0	
733	Contractual Services - Legal		0	
734	Contractual Services - Mgt. Fees	29,160	3,240	
735	Contractual Services - Testing			
736	Contractual Services - Other			
741	Rental of Building/Real Property	5,760	1,440	
742	Rental of Equipment			
750	Transportation Expenses			
756	Insurance - Vehicle			
757	Insurance - General Liability	2,198		2,198
758	Insurance - Workman's Comp.			
759	Law Suit Settlement		0	
760	Advertising Expense			
766	Regulatory Commission Expenses - Amortization of Rate Case Expense			
767	Regulatory Commission Exp.-Other			
770	Bad Debt Expense	624		
775	Miscellaneous Expenses			
	Total Wastewater Utility Expenses	$ 47,521	$ 4,680	$ 24,230

S-10(b)
GROUP _____

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

CALCULATION OF THE WASTEWATER SYSTEM METER EQUIVALENTS

WATER METER SIZE (a)	TYPE OF WATER METER (b)	EQUIVALENT FACTOR (c)	NUMBER OF WATER METERS (d)	TOTAL NUMBER OF METER EQUIVALENTS (c x d) (e)
All Residential		1.0		
5/8"	Displacement	1.0	253	253
3/4"	Displacement	1.5		
1"	Displacement	2.5	17	43
1 1/2"	Displacement or Turbine	5.0		
2"	Displacement, Compound or Turbine	8.0	9	72
3"	Displacement	15.0		
3"	Compound	16.0		
3"	Turbine	17.5		
4"	Displacement or Compound	25.0		
4"	Turbine	30.0		
6"	Displacement or Compound	50.0		
6"	Turbine	62.5		
8"	Compound	80.0		
8"	Turbine	90.0		
10"	Compound	115.0		
10"	Turbine	145.0		
12"	Turbine	215.0		
	Total Wastewater System Meter Equivalents			368

CALCULATION OF THE WASTEWATER SYSTEM EQUIVALENT RESIDENTIAL CONNECTIONS

Provide a calculation used to determine the value of one wastewater equivalent residential connection (ERC).
Use one of the following methods:

(a) If actual flow data are available from the preceding 12 months, divide the total annual single family residence (SFR) gallons sold by the average number of single family residence customers for the same period and divide the result by 365 days.

(b) If no historical flow data are available, use:

ERC = (Total SFR gallons treated (Omit 000) / 365 days / 280 gallons per day)

For wastewater only utilities:

Subtract all general use and other non residential customer gallons from the total gallons treated.
Divide the remainder (SFR customers) by 365 days to reveal single family residence customer gallons per day.

NOTE: Total gallons treated includes both treated and purchased treatment.

ERC Calculation:

19,568,324 gallons sold / 115 average SFR Customers / 365 days 172GPD

UTILITY NAME:	**Tradewinds Utilities, Inc**
SYSTEM NAME / COUNTY :	**Tradewinds Utilities, Inc / Marion County**

YEAR OF REPORT
December 31, 2022

WASTEWATER TREATMENT PLANT INFORMATION

Provide a separate sheet for each wastewater treatment facility

Permitted Capacity		81,000 Total	
Basis of Permit Capacity (1)			
Manufacturer	McNeil	Marlof	
Type (2)	Concrete	Concrete	
Hydraulic Capacity	65,000	50,000	
Average Daily Flow	30,000	30,000	
Total Gallons of Wastewater Treated	10,950,000	10,950,000	
Method of Effluent Disposal		Spray Field	

(1) Basis of permitted capacity as stated on the Florida DEP WWTP Operating Permit (i.e. average annual daily flow, etc.)

(2) Contact stabilization, advanced treatment, etc.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SYSTEM NAME / COUNTY : **Tradewinds Utilities, Inc / Marion County**

OTHER WASTEWATER SYSTEM INFORMATION

Furnish information below for each system. A separate page should be supplied where necessary.

1. Present number of ERCs* now being served 400

2. Maximum number of ERCs* which can be served 500

3. Present system connection capacity (in ERCs*) using existing lines 100

4. Future connection capacity (in ERCs*) upon service area buildout 100

5. Estimated annual increase in ERCs* 1

6. Describe any plans and estimated completion dates for any enlargements or improvements of this system
NONE

7. If the utility uses reuse as a means of effluent disposal, attach a list of the reuse end users and the amount of reuse provided to each, if known. N/A

8. If the utility does not engage in reuse, has a reuse feasibility study been completed? NO

   If so, when? _____

9. Has the utility been required by the DEP or water management district to implement reuse? NO

   If so, what are the utility's plans to comply with this requirement? _____

10. When did the company last file a capacity analysis report with the DEP? N/A

11. If the present system does not meet the requirements of DEP rules:
    a. Attach a description of the plant upgrade necessary to meet the DEP rules.
    b. Have these plans been approved by DEP? N/A
    c. When will construction begin? _____
    d. Attach plans for funding the required upgrading.
    e. Is this system under any Consent Order with DEP? NO

12. Department of Environmental Protection ID # FLA010699-001

* An ERC is determined based on the calculation on S-11.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SCHEDULE OF CURRENT COST OF CAPITAL
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING (1)

CLASS OF CAPITAL (a)	DOLLAR AMOUNT (2) (b)	PERCENTAGE OF CAPITAL (c)	ACTUAL COST RATES (3) (d)	WEIGHTED COST (c x d) (e)
Common Equity	$	-		
Preferred Stock		-		
Long Term Debt		-		
Customer Deposits		-		
Tax Credits - Zero Cost		-		
Tax Credits - Weighted Cost		-		
Deferred Income Taxes		-		
Other (Explain)		-		
		-		
Total	$			

(1) If the utility's capital structure is not used, explain which capital structure is used.

(2) Should equal amounts on Schedule F-6, Column (g).

(3) Mid-point of the last authorized Return On Equity or current leverage formula if none has been established.

Must be calculated using the same methodology used in the last rate proceeding using current annual report year end amounts and cost rates.

APPROVED RETURN ON EQUITY

Current Commission Return on Equity:	11.16%
Commission order approving Return on Equity:	100127-WS

APPROVED AFUDC RATE

COMPLETION ONLY REQUIRED IF AFUDC WAS CHARGED DURING YEAR

Current Commission Approved AFUDC rate:	%
Commission order approving AFUDC rate:	

If any utility capitalized any charge in lieu of AFUDC (such as interest only), state the basis of the charge, an explanation as to why AFUDC was not charged and the percentage capitalized.

UTILITY NAME: **Tradewinds Utilities, Inc**

YEAR OF REPORT
December 31, 2022

SCHEDULE OF CAPITAL STRUCTURE ADJUSTMENTS
CONSISTENT WITH THE METHODOLOGY USED IN THE LAST RATE PROCEEDING

CLASS OF CAPITAL (a)	PER BOOK BALANCE (b)	NON-UTILITY ADJUSTMENTS (c)	NON-JURISDICTIONAL ADJUSTMENTS (d)	OTHER (1) ADJUSTMENTS SPECIFIC (e)	OTHER (1) ADJUSTMENTS PRO RATA (f)	CAPITAL STRUCTURE (g)
Common Equity	$ 200	$	$	$	$	$
Preferred Stock						
Long Term Debt						
Customer Deposits						
Tax Credits - Zero Cost						
Tax Credits - Weighted Cost						
Deferred Inc. Taxes						
Other (Explain)						
Total	$ 200	$	$	$	$	$

(1) Explain below all adjustments made in Columns (e) and (f):

EXHIBIT 5

WATER FACILITY REPORT

TRADEWINDS UTILITIES, INC.

LOCATION:

MARION COUNTY, FLORIDA

PREPARED FOR:

Central States Water Resources
500 Northwest Plaza Dr., Suite 500
St. Ann, MO 63074

DATE:

March 2022



PREPARED BY:

Clearpoint
CONSULTING ENGINEERS, P.A.

6652 U.S. Highway 98
Hattiesburg, MS 39402

ENGINEERING MEMO
TRADEWINDS VILLAGE
MARION COUNTY, FL
MARCH 2022

1. Introduction
    a. General System Info
        i. Subdivision(s) Served
        Tradewinds, Countryside, New Countryside and Publix
        ii. Current Owner
        Charles Demenzes
        iii. Customer Count and Type
        471 residential and 50 commercial customers
        iv. General Geographic Location of Service Area
        NE 43rd place & NE 27th Court, Ocala Florida, Marion County
        v. Future Developments or Phases in Service Area
        Pending developments are 200 residential customers and 50 commercial.
        vi. PWS Facility Name
        Tradewinds Village
        vii. Permit Number
        PW Facility ID # 3424620 Florida Dept. of Environmental Protection.
        viii. Estimated Daily Usage
        80,000 gallons per day (Info from MOR)

2. Water Production and/or Treatment Facility
    a. Facility Description
        i. Facility Type
        Ground Water Florida Class 5C
        ii. Approximate Facility Age, Source Used to Age Facility
        39 years old, Florida DEP Sanitary Survey 2020
        iii. Main System Components Table
        Below is a list of the systems main components and their capacity, according to the Florida DEP's 2020 Sanitary Survey (see Attachment B).

Component Description	Location	Size	Unit	HP
Well #1	Water Plant	185	GPM	10
Well #2	Water Plant	185	GPM	10
Well #3	Water Plant	659	GPM	75
Hydropneumatic Tank #1	Water Plant	5,000	Gallons	N/A
Hydropneumatic Tank #2	Water Plant	10,000	Gallons	N/A
Elevated Tank	Behind Water Plant	200,000	Gallons	N/A

iv. Description of Facility and Main Components
    1. The 2 – 10 HP pumps are submersible pumps of unknown make, the 75 HP motor on the vertical turbine is a 3 phase U.S. Electric Motor. There is a spare 75 HP motor in the storage building.
    2. There is a 100 KW mobile Marelli Generator, located at the water plant. The switch over system is believed to be bad.
    3. General condition:
        a) The overall condition of the facility site is fair. The vegetation is controlled by mowing and weed eating. the entire water plant is surrounded by a six-foot chain-link fence with three strands of barbwire at the top. There are several places that need to be mended in the fence (barbwire, bent rails and a section that a tree fell on). The storage building is made of cinder block and appears to be in good shape. The 75 HP well control building is also in fair condition.
        b) Water wells #1, 2 & 3; wells number 1 & 2 are used only as stand-by and are currently being operated once a month for sampling purposes. Well # 3 is the main operating well and is the largest producing as well as the newest well (1991).
        c) Storage Tanks: There are two Hydropneumatic tanks on site. One tank is a 5,000-gallon tank and the other is a 10,000-gallon tank. These tanks have been off-line since 2015 according to the Florida Department of Environmental Protection. There is significant rust where the tanks sit in the cradle (see photos at the end of the report). Both hydropneumatic tanks would need to be inspected before being put into service as intended. The 200,000-gallon elevated tank needs to be properly inspected for corrosion (inside and outside). There is visible rust in multiple locations on the outside of the tank. According to the Florida Department of Environmental Protection, the elevated tank was inspected in December 2019 (no records were provided to verify this).
    4. Tradewinds water has the capacity of 600 connections. Currently the system has 471 connections, this leaves them with approximately 129 more available connections. This information was gathered from the annual report.
v. Tradewinds uses hypochlorination for their disinfection process. Currently the hypochlorinator is a 30 GPD Chemtech pump set at 80% stroke.

b. Permit Info
    i. Permit Status
    Good through February 27th, 2035. Currently allows for the withdrawal of .132 MGD/48MGY (See Attachment A).

ii. Brief Compliance Review Narrative
    1. February 8th, 2022, Tradewinds was notified of a lead and copper violation. The utility did not collect the required samples (See Attachment C).
       The Nitrate and Nitrite sample results for 2020 have not been submitted to the FLDEP (See Attachment C).
    2. Unable to discover any MCL violations in the FLDEP database.

c. Recommended Repairs and Improvements Summary
    i. Triage Repairs
        1. Install solenoid valve on the 75 HP well lube line.
        2. Install spill containment systems at hypochlorination tanks.
        3. Repair damaged perimeter fencing at several locations.
        4. Install SCADA system for monitor/control of wtp.
        5. Secure ladder climb prevention device at the elevated tank.
    ii. Improvements and Other Repairs
        1. Rehabilitate (sand blast and paint) 200,000-gallon elevated tank.
        2. Properly abandon two existing wells (Well #1 and Well #2).
        3. Construct a new water well (600 gpm minimum) with chemical disinfection system.
        4. Rehabilitate both pressure tanks to serve as redundant pressure sources when elevated tank is taken offline for maintenance purposes to include new air compressors with piping, new concrete foundation for 10,000-gallon tank, and tank rehabilitation (sand blasting and painting).
        5. Install new automatic transfer switch for emergency power system.
        6. Replace well piping at the 75 HP well (Well #3) due to hypochlorite leaking at the injection point.
        7. Install chlorine residual monitoring equipment.

3. Water Distribution System
    a. Distribution System Description
        i. System Material, Size, Footages, Age, etc.:
           The distribution system is made up of PVC pipe in various sizes from 2”-6”. It can be inferred that most of these distribution mains are approximately 40 years old.
        ii. General Distribution Flow Description from Source:
            There are loop lines in the subdivisions and some dead-end lines in the commercial areas.
        iii. Number And Location of Flush Hydrants/Devices:
             There are approximately 12-14 fire hydrants in the commercial areas and none in the residential areas.

b. Recommended Repairs and Improvements Summary
    i. Triage Repairs:
        1. None
    ii. Improvements and Other Repairs:
        1. None

4. Capital Estimate

TRIAGE REPAIRS					
Water System Improvements					
NARUC Category	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**
General Plant	Chain Link Fence Repairs	LF	100	$50.00	$ 5,000.00
General Plant	SCADA System	LS	1	$50,000.00	$ 50,000.00
Source of Supply	Solenoid Valve at Well #3 Lube Line	LS	1	$5,000.00	$ 5,000.00
Water Treatment & Pumping	Spill Containment System	EA	2	$1,500.00	$ 3,000.00
Water Treatment & Pumping	Repair Climb Prevention Device	LS	1	$1,500.00	$ 1,500.00
TOTAL TRIAGE REPAIRS CAPITAL ESTIMATE					**$ 64,500.00**

IMPROVEMENTS AND OTHER REPAIRS					
Water System Improvements					
NARUC Category	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**
General Plant	New Automatic Transfer Switch	EA	1	$25,000.00	$ 25,000.00
Source of Supply	Well Abandonment	EA	2	$15,000.00	$ 30,000.00
Source of Supply	New Water Well	LS	1	$600,000.00	$ 600,000.00
Water Treatment & Pumping	Elevated Tank Rehabilitation	LS	1	$200,000.00	$ 200,000.00
Water Treatment & Pumping	Rehabilitation of Pressure Tanks	EA	2	$35,000.00	$ 70,000.00
Water Treatment & Pumping	Chlorine Residual Monitoring Equipment	LS	1	$7,500.00	$ 7,500.00
Transmission & Distribution	Well #3 Discharge Piping Replacement	LS	1	$17,500.00	$ 17,500.00
TOTAL IMPROVEMENTS AND OTHER REPAIRS CAPITAL ESTIMATE					**$950,000.00**

SUPPORTING DOCUMENTATION TO WATER ENGINEERING MEMO

TRADEWINDS UTILITIES, INC.

LOCATION:

MARION COUNTY, FLORIDA

PREPARED FOR:

Central States Water Resources
500 Northwest Plaza Dr., Suite 500
St. Ann, MO 63074

DATE:

March 2022



PREPARED BY:

Clearpoint
CONSULTING ENGINEERS, P.A.
6652 U.S. Highway 98
Hattiesburg, MS 39402

TABLE OF CONTENTS

ATTACHMENTS

Attachment A – Water System Permit Information

Attachment B – Florida DEP 2020 Inspection Report

Attachment C – Compliance Historical Documentation

Attachment D – Local Vendor Recommendations

Attachment E – Site Photographs

ATTACHMENT A

Water System Permit Information

St. Johns River
Water Management District
Hans G. Tanzler III, Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
On the Internet at floridaswater.com.

February 27, 2015

Tradewinds Utilities Inc
Charles DeMenzes
PO Box 5220
Ocala, FL 34478-5220

SUBJECT: Consumptive Use Permit Number 2995-6
Tradewinds Utilities Inc

Dear Sir/Madam:

Please be advised that the period of time within which a third party may request an administrative hearing on this permit may not have expired by the date of issuance. A potential petitioner has twenty-six (26) days from the date on which the actual notice is deposited in the mail, or twenty-one (21) days from publication of this notice when actual notice is not provided, within which to file a petition for an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes. Receipt of such a petition by the District may result in this permit becoming null and void.

Also, be advised that the District will not publish a notice in the newspaper advising the public that it has issued this permit. Enclosed is information on publishing notice of the permit. If you do not publish a newspaper notice to close the point of entry, the time to challenge the issuance of your permit will not expire.

The enclosed permit is a legal document and should be kept with your other important records. Please read the permit and conditions carefully since the referenced conditions may require submittal of additional information. Where possible, please submit all information required to comply with permit conditions, electronically, at floridaswater.com/permitting via the District's e-Permitting portal. If you have any questions concerning the conditions of your permit, please contact Jay Lawrence in the Jacksonville Service Center at (386) 329-4205.

Sincerely,

M. Daniels

Margaret Daniels, Bureau Chief
Bureau of Regulatory Support

Agent: Miles C Anderson
Miles Christian Anderson Consulting Eng Inc
2300 SE 17th St Ste 200
Ocala, FL 34471-9185

GOVERNING BOARD

John A. Miklos, CHAIRMAN ORLANDO
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George W. Robbins JACKSONVILLE

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
Post Office Box 1429
Palatka, Florida 32178-1429

PERMIT NO: 2995-6 **DATE ISSUED:** February 27, 2015

PROJECT NAME: Tradewinds Utilities Inc

A PERMIT AUTHORIZING:

The District authorizes, as limited by the attached conditions, the continued use of 48.00 million gallons per year (mgy) (0.132 million gallons per day (mgd) (annual average)) of groundwater from the Upper Floridan aquifer for public supply use (includes household, water utility uses and unaccounted for losses) for an estimated population of 1,220 people in 2035.

LOCATION:

Site: Tradewinds
Marion County

SECTION(S): 34 TOWNSHIP(S): 14S RANGE(S): 22E

ISSUED TO:

Tradewinds Utilities Inc
PO Box 5220
Ocala, FL 34478-5220

The permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all plans and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to the permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies.

This permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes and 40C-1, Florida Administrative Code.

PERMIT IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated February 27, 2015

AUTHORIZED BY: St. Johns River Water Management District
Division of Regulatory, Engineering and Environmental Services

By: 

Scott Laidlaw
Bureau Chief

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 2995-6
Tradewinds Utilities Inc,
DATE ISSUED: February 27, 2015

1. With advance notice to the permittee, District staff with proper identification shall have permission to enter, inspect, observe, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications. The permittee shall either accompany District staff onto the property or make provision for access onto the property.

2. Nothing in this permit should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the permittee must adhere to the water shortage restrictions, as specified by the District. The permittee is advised that during a water shortage, reports shall be submitted as required by District rule or order.

3. Prior to the construction, modification or abandonment of a well, the permittee must obtain a water well permit from the St. Johns River Water Management District or the appropriate local government pursuant to Chapter 40C-3, F.A.C. Construction, modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification, or abandonment is other than that specified and described on the consumptive use permit application form.

4. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.

5. The permittee's consumptive use of water as authorized by this permit shall not interfere with legal uses of water existing at the time of permit application. If interference occurs, the District shall revoke the permit, in whole or in part, to curtail or abate the interference, unless the interference associated with the permittee's consumptive use of water is mitigated by the permittee pursuant to a District-approved plan.

6. The permittee's consumptive use of water as authorized by this permit shall not have significant adverse hydrologic impacts to off-site land uses existing at the time of permit application. If significant adverse hydrologic impacts occur, the District shall revoke the permit, in whole or in part, to curtail or abate the adverse impacts, unless the impacts associated with the permittee's consumptive use of water are mitigated by the permittee pursuant to a District-approved plan.

7. The permittee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of permitted legal control of the Project and/or related facilities from which the permitted consumptive use is made. Where permittee's control of the land subject to the permit was demonstrated though a lease, the permittee must either submit documentation showing that it continues to have legal control or transfer control of the permitted system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40C-1.612, F.A.C. Alternatively, the permittee may surrender the consumptive use permit to the District, thereby relinquishing the right to conduct any activities under the permit.

8. A District-issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve, or other withdrawal facility as provided by Rule 40C-2.401, F.A.C. The permittee shall notify the District in the event that a replacement tag is needed.

9. The permittee's consumptive use of water as authorized by this permit shall not significantly and adversely impact wetlands, lakes, rivers, or springs. If significant adverse impacts occur, the District shall revoke the permit, in whole or in part, to curtail or abate the adverse impacts, unless the impacts associated with the permittee's consumptive use of water are mitigated by the permittee pursuant to a District-approved plan.

10. The permittee's consumptive use of water as authorized by this permit shall not reduce a flow or level below any minimum flow or level established by the District or the Department of Environmental Protection pursuant to Section 373.042 and 373.0421, F.S. If the permittee's use of water causes or contributes to such a reduction, then the District shall revoke the permit, in whole or in part, unless the permittee implements all provisions applicable to the permittee's use in a District-approved recovery or prevention strategy.

11. The permittee's consumptive use of water as authorized by the permit shall not cause or contribute to significant saline water intrusion. If significant saline water intrusion occurs, the District shall revoke the permit, in whole or in part, to curtail or abate the saline water intrusion, unless the saline water intrusion associated with the permittee's consumptive use of water is mitigated by the permittee pursuant to a District-approved plan.

12. The permittee's consumptive use of water as authorized by the permit shall not cause or contribute to flood damage. If the permittee's consumptive use causes or contributes to flood damage, the District shall revoke the permit, in whole or in part, to curtail or abate the flood damage, unless the flood damage associated with the permittee's consumptive use of water is mitigated by the permittee pursuant to a District-approved plan.

13. The permittee's consumptive use of water as authorized by the permit shall not cause or contribute to a violation of state water quality standards (existing at the time of permit issuance) in receiving waters of the state, as set forth in Chapters 62-3, 62-4, 62-302, 62-520, and 62-550, F.A.C., including any anti-degradation provisions of paragraphs 62-4.242(1)(a) and (b), subsections 62-4.242(2) and (3), and Rule 62-302.300, F.A.C., and any special standards for Outstanding National Resource Waters set forth in subsections 62-4.242(2) and (3), F.A.C. If violations occur, the District shall revoke the permit, in whole or in part, to curtail or abate the violations, unless the violations associated with the permittee's consumptive use of water are mitigated by the permittee pursuant to a District-approved plan.

14. All consumptive uses authorized by this permit shall be implemented as conditioned by this permit, including any documents incorporated by reference in a permit condition. The District may revoke this permit, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a permit modification has been obtained to address the noncompliance. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

15. This permit does not convey to the permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.

16. A permittee may seek modification of any term of an unexpired permit. The permittee is advised that Section 373.239, F.S., and Rule 40C-2.331, F.A.C., are applicable to permit modifications.

17. All submittals made to demonstrate compliance with this permit must include CUP number 2995-6, labeled on the submittal. Submittals should be made on-line at floridaswater.com/permitting whenever possible.

18. This permit will expire February 27, 2035.

19. Maximum annual groundwater withdrawals from the Upper Floridan aquifer for public supply use (including water utility and unaccounted for losses) must not exceed 48.00 million gallons.

20. The permittee must measure the quantity of groundwater withdrawn from wells 1 (Station ID 19078), 2 (Station ID 19079), and 3 (Station ID 19080), as listed in the application, through the use of recording totalizing flowmeters. All flow meters must measure within +/- 5% of actual flow, be verifiable and be installed according to the manufacturer's specifications.

21. Total withdrawal from groundwater wells 1 (Station ID 19078), 2 (Station ID 19079), and 3 (Station ID 19080), must be recorded continuously, totaled monthly, and reported to the District at least every six months for the duration of this permit using Water Use Pumpage Report Form (EN-50). The reporting dates each year will be as follows:

Reporting Period	Report Due Date
January – June	July 31
July – December	January 31.

22. The permittee must have all flow meters checked for accuracy at least once every 10 years, specifically before April 30 2024, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. Flow Meter Accuracy Report Form (EN-51) must be submitted to the District within 10 days of the inspection/calibration.

23. The permittee must maintain all flowmeters. In case of failure or breakdown of any meter, the District must be notified in writing within 5 days of its discovery. A defective meter must be repaired or replaced within 30 days of its discovery.

24. The permittee shall meter all service connections and other uses through the use of recording totalizing flow meters.

25. The permittee must implement the Water Conservation Plan submitted to the District, dated 07-24-2014, in accordance with the schedule contained therein.

26. If, at any time within permit duration, it becomes practical, economically feasible and permissible under applicable state and federal statutes or regulations promulgated thereunder, the District may require the permittee to make reclaimed water available for use at a permissible application site.

27. The permittee must submit to the District, an updated copy of the Public Service Commission's (PSC) approved service area map, within 30 days of receipt from the PSC.

28. A comprehensive water audit of the potable distribution system must be conducted annually. The audit period shall be January 1st through December 31st of each year. The results of the water audit must be submitted to the District by February 15th of the year following the audit period.

29. If the unaccounted for water losses are 10% or greater, as identified in the annual water audit, implementation of the leak detection and repair program must continue until the unaccounted for water losses are reduced below 10%.

Notice Of Rights

1. A person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the St. Johns River Water Management District (District). Pursuant to Chapter 28-106 and Rule 40C-1.1007, Florida Administrative Code, the petition must be filed (received) either by delivery at the office of the District Clerk at District Headquarters, P. O. Box 1429, Palatka Florida 32178-1429 (4049 Reid St., Palatka, FL 32177) or by e-mail with the District Clerk at Clerk@sjrwmd.com, within twenty-six (26) days of the District depositing the notice of District decision in the mail (for those persons to whom the District mails actual notice), within twenty-one (21) days of the District emailing the notice of District decision (for those persons to whom the District emails actual notice), or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail or email actual notice). A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes, and Chapter 28-106, Florida Administrative Code. The District will not accept a petition sent by facsimile (fax), as explained in paragraph no. 4 below.

2. Please be advised that if you wish to dispute this District decision, mediation may be available and that choosing mediation does not affect your right to an administrative hearing. If you wish to request mediation, you must do so in a timely-filed petition. If all parties, including the District, agree to the details of the mediation procedure, in writing, within 10 days after the time period stated in the announcement for election of an administrative remedy under Sections 120.569 and 120.57, Florida Statutes, the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, shall be tolled to allow mediation of the disputed District decision. The mediation must be concluded within 60 days of the date of the parties' written agreement, or such other timeframe agreed to by the parties in writing. Any mediation agreement must include provisions for selecting a mediator, a statement that each party shall be responsible for paying its pro-rata share of the costs and fees associated with mediation, and the mediating parties' understanding regarding the confidentiality of discussions and documents introduced during mediation. If mediation results in settlement of the administrative dispute, the District will enter a final order consistent with the settlement agreement. If mediation terminates without settlement of the dispute, the District will notify all the parties in writing that the administrative hearing process under Sections 120.569 and 120.57, Florida Statutes, is resumed. Even if a party chooses not to engage in formal mediation, or if formal mediation does not result in a settlement agreement, the District will remain willing to engage in informal settlement discussions.

3. A person whose substantial interests are or may be affected has the right to an informal administrative hearing pursuant to Sections 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must also comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

Notice Of Rights

4. A petition for an administrative hearing is deemed filed upon receipt of the complete petition by the District Clerk at the District Headquarters in Palatka, Florida during the District's regular business hours. The District's regular business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Petitions received by the District Clerk after the District's regular business hours shall be deemed filed as of 8:00 a.m. on the District's next regular business day. The District's acceptance of petitions filed by e-mail is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation (issued pursuant to Rule 28-101.001, Florida Administrative Code), which is available for viewing at floridaswater.com. These conditions include, but are not limited to, the petition being in the form of a PDF or TIFF file and being capable of being stored and printed by the District. Further, pursuant to the District's Statement of Agency Organization and Operation, attempting to file a petition by facsimile is prohibited and shall not constitute filing.

5. Failure to file a petition for an administrative hearing within the requisite timeframe shall constitute a waiver of the right to an administrative hearing. (Rule 28-106.111, Florida Administrative Code).

6. The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, Florida Statutes, Chapter 28-106, Florida Administrative Code, and Rule 40C-1.1007, Florida Administrative Code. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the District's final action may be different from the position taken by it in this notice. A person whose substantial interests are or may be affected by the District's final action has the right to become a party to the proceeding, in accordance with the requirements set forth above.

7. Pursuant to Section 120.68, Florida Statutes, a party to the proceeding before the District who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

8. A District action is considered rendered, as referred to in paragraph no. 7 above, after it is signed on behalf of the District and filed by the District Clerk.

9. Failure to observe the relevant timeframes for filing a petition for judicial review as described in paragraph no. 7 above will result in waiver of that right to review.

Certificate of Service

I HEREBY CERTIFY that a copy of the foregoing Notice of Rights has been sent to the permittee:

Tradewinds Utilities Inc
PO Box 5220
Ocala, FL 34478-5220

This 27th day of February, 2015.

M. Daniels

Margaret Daniels, Bureau Chief
Bureau of Regulatory Support
St. Johns River Water Management District
4049 Reid Street
Palatka, FL 32177-2529
(386) 329-4570

Permit Number: 2995-6

NOTICING INFORMATION

Dear Permittee:

Please be advised that the St. Johns River Water Management District will not publish a notice in the newspaper advising the public that it has issued a permit for this project.

Newspaper publication, using the District's notice form, notifies members of the public of their right to challenge the issuance of the permit. If proper notice is given by newspaper publication, then there is a 21-day time limit for someone to file a petition for an administrative hearing to challenge the issuance of the permit.

To close the point of entry for filing a petition, you may publish (at your own expense) a one-time notice of the District's decision in a newspaper of general circulation within the affected area as defined in Section 50.011 of the Florida Statutes. If you do not publish a newspaper notice to close the point of entry, the time to challenge the issuance of your permit will not expire and someone could file a petition even after your project is constructed.

A copy of the notice form and a partial list of newspapers of general circulation are attached for your convenience. However, you are not limited to those listed newspapers. If you choose to close the point of entry and the notice is published, the newspaper will return to you an affidavit of publication. In that event, it is important that you either submit a scanned copy of the affidavit by emailing it to *compliancesupport@sjrwmd.com* (preferred method) **or** send a copy of the original affidavit to:

Margaret Daniels, Bureau Chief
Bureau of Regulatory Support
4049 Reid Street
Palatka, FL 32177

If you have any questions, please contact the Bureau of Regulatory Support at (386) 329-4570.

Sincerely,

M. Daniels

Margaret Daniels, Bureau Chief
Bureau of Regulatory Support

NOTICE OF AGENCY ACTION TAKEN BY THE
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

Notice is given that on _____ the District issued Permit No._____ for a Consumptive Use Permit to serve (type of project)_____ activities. The total allocation authorized is _____ mgd of (groundwater/surface water). The project is located in _____ County, Section(s)_____, Township _____ South, Range _____East. The permit applicant is _____.

If you wish to receive a copy of a Technical Staff Report (TSR) that provides the St. Johns River Water Management District (District) staffs' analysis on the above-listed compliance report(s) and associated permit(s), please submit your request to Bureau Chief, Bureau of Regulatory Support, P.O. Box 1429, Palatka, FL 32178-1429. You may view the TSR by going to the Permitting section of the District's website at *floridaswater.com/permitting/index.html*. To obtain information on how to find and view a TSR, visit *https://permitting.sjrwmd.com/epermitting/html/EP_FAQs.html*, and then follow the directions provided under "How to find a Technical Staff Report (TSR) or other application file documents."

A person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the District. Pursuant to Chapter 28-106 and Rule 40C-1.1007, Florida Administrative Code (F.A.C.), the petition must be filed (received) either by delivery at the office of the District Clerk at District Headquarters, P. O. Box 1429, Palatka Florida 32178-1429 (4049 Reid St., Palatka, FL 32177) or by e-mail with the District Clerk at *Clerk@sjrwmd.com*, within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail or email actual notice). A petition for an administrative hearing is deemed filed upon receipt of the complete petition by the District Clerk at the District Headquarters in Palatka, Florida during the District's regular business hours. The District's regular business hours are 8 a.m. – 5 p.m., excluding weekends and District holidays. Petitions received by the District Clerk after the District's regular business hours shall be deemed filed as of 8 a.m. on the next regular District business day. A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes (F.S.), and Chapter 28-106, F.A.C. The District's acceptance of petitions filed by e-mail is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation (issued pursuant to Rule 28-101.001, F.A.C.), which is available for viewing at floridaswater.com. The District will not accept a petition sent by facsimile (fax). Mediation may be available if you meet the conditions stated in the full Notice of Rights (see last paragraph).

The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, F.S., Chapter 28-106, F.A.C., and Rule 40C-1.1007, F.A.C. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the District's final action may be different from the position taken by it in this notice. **Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing. (Rule 28-106.111, F.A.C.).**

If you wish to do so, please visit *http://floridaswater.com/nor_dec/* to read the complete Notice of Rights to determine any legal rights you may have concerning the District's decision(s) on the Consumptive Use Permit Application(s) described above. You can also request the Notice of Rights by contacting the Bureau Chief, Bureau of Regulatory Support, P. O. Box 1429, Palatka, FL 32178, phone (386)329-4570.

NEWSPAPER ADVERTISING

ALACHUA
The Alachua County Record, Legal Advertising
P. O. Box 806
Gainesville, FL 32602
352-377-2444/ fax 352-338-1986

BAKER
Baker County Press, Legal Advertising
P. O. Box 598
Maclenny, FL 32063
904-259-2400/ fax 904-259-6502

BRAFORD
Bradford County Telegraph, Legal Advertising
P. O. Drawer A
Starke, FL 32901
904-964-6305/ fax 904-964-8628

BREVARD
Florida Today, Legal Advertising
P. O. Box 419000
Melbourne, FL 32941-9000
321-242-3832/ fax 321-242-6618

CLAY
Clay Today, Legal Advertising
1560 Kinsley Ave., Suite 1
Orange Park, FL 32073
904-264-3200/ fax 904-264-3285

DUVAL
Daily Record, Legal Advertising
P. O. Box 1769
Jacksonville, FL 32201
904-356-2466 / fax 904-353-2628

FLAGLER
Flagler Tribune, c/o News Journal
P. O. Box 2831
Daytona Beach, FL 32120-2831
386- 681-2322

INDIAN RIVER
Vero Beach Press Journal, Legal Advertising
P. O. Box 1268
Vero Beach, FL 32961-1268
772-221-4282/ fax 772-978-2340

LAKE
Daily Commercial, Legal Advertising
P. O. Drawer 490007
Leesburg, FL 34749
352-365-8235/fax 352-365-1951

MARION
Ocala Star Banner, Legal Advertising
2121 SW 19th Avenue Road
Ocala, FL 34474
352-867-4010/fax 352-867-4126

NASSAU
News-Leader, Legal Advertising
P. O. Box 766
Fernandina Beach, FL 32035
904-261-3696/fax 904-261-3698

OKEECHOBEE
Okeechobee News, Legal Advertising
P. O. Box 639
Okeechobee, FL 34973-0639
863-763-3134/fax 863-763-5901

ORANGE
Sentinel Communications, Legal Advertising
633 N. Orange Avenue
Orlando, FL 32801
407-420-5160/ fax 407-420-5011

OSCEOLA
Little Sentinel, Legal Advertising
633 N. Orange Avenue
Orlando, FL 32801
407-420-5160/ fax 407-420-5011

PUTNAM
Palatka Daily News, Legal Advertising
P. O. Box 777
Palatka, FL 32178
386-312-5200/ fax 386-312-5209

ST. JOHNS
St. Augustine Record, Legal Advertising
P. O. Box 1630
St. Augustine, FL 32085
904-819-3436

SEMINOLE
Seminole Herald, Legal Advertising
300 North French Avenue
Sanford, FL 32771
407-323-9408

VOLUSIA
News Journal Corporation, Legal Advertising
P. O. Box 2831
Daytona Beach, FL 32120-2831
386 681-2322

CONSUMPTIVE USE PERMIT APPLICATION

St. Johns River Water Management District
4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
Application forms may also be submitted electronically at *floridaswater.com*.

SECTION I – CONTACT INFORMATION

If necessary, attach additional sheets if there are multiple applicants, owners, agents, etc.

1. **APPLICANT** (Complete legal name in which permit should be issued)

NAME: **Tradewinds Utilities Inc**

If applicant is a business, provide a contact person: ***Charles DeMenzes***

ADDRESS: **PO Box 5220**

CITY, STATE, ZIP: **Ocala FL 34478-5220**

PHONE: **(352) 622-4949** CELL PHONE:

EMAIL ADDRESS: **charlie@altfo.com**

Do you want all correspondence to be transmitted electronically to this email address? ☐ Yes ☐ No

Applicant is: ☐ Owner ☐ Lessee* ☐ Other (explain)

*Attach copy of current lease, or written authorization from property owner

2. **OWNER** (If different than applicant)

NAME: **Charles DeMenzes, Tradewinds Utilities Inc**

ADDRESS: **PO Box 5220**

CITY, STATE, ZIP: **Ocala FL 34478-5220**

PHONE: CELL PHONE:

EMAIL ADDRESS:

3. **AGENT OR CONSULTANT** Address all correspondence to the person below? ☐ Yes ☐ No

NAME:

COMPANY NAME (if applicable):

ADDRESS:

CITY, STATE, ZIP:

PHONE: CELL PHONE:

EMAIL ADDRESS:

4. **COMPLIANCE CONTACT** (Person responsible for ensuring that the permit conditions are met)

NAME: **Charlie deMenzes, Tradewinds Utilities< inc.**

ADDRESS: **PO Box 5220**

CITY, STATE, ZIP: **Ocala FL 34478**

PHONE: **(352) 622-4949** CELL PHONE:

EMAIL ADDRESS: **charlie@altfo.com**

Form No. 40C-2.900(1), effective August 2014
Incorporated by reference in 40C-2.900(1), F.A.C.

SECTION II – APPLICATION INFORMATION

For permit application guidance, please refer to the Applicant's Handbook, Consumptive Uses of Water, which is incorporated by reference in Rule 40C-2.101(1)(a), F.A.C. (A.H.). Please complete all fields. Enter N/A for any fields that are not applicable.

1. **TYPE OF APPLICATION:** ☐ New ☒ Modification ☐ Renewal

   If this application is for a modification, please describe the modification request and the reason the modification is necessary. **To include wholesale water to be sent to Marion County Utilities for a new development called Millwood Estates.**

2. **CONSUMPTIVE USE PERMIT NO.** (if application is for renewal or modification): **2995**

3. **REQUESTED PERMIT DURATION**: ☐ 20 years ☒ **14** years (up to 20 years)

   ☐ This project qualifies for a duration greater than 20 years, per Section 373.236, F.S.

4. **PROJECT NAME:** **Tradewinds Utilities Inc** **COUNTY:** **Marion**

   PHYSICAL ADDRESS: **PO Box 5220 Ocala 34478**

5. **RELATED PERMITS** (for projects other than Public Supply)

   ☐ ENVIRONMENTAL RESOURCE PERMIT: MSSW/ERP No(s): _____

   ☐ INDUSTRIAL WASTEWATER (IWW) PERMIT: IWW Permit No(s): _____

   ☐ NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT:

   NPDES Permit No(s): _____

SECTION III – USE TYPE CATEGORIES

Please check all applicable use categories associated with this application and complete the associated supplemental form(s) indicated. The **Minor Individual Supplemental Form** (Form No. 40C-2.900(2)) can be completed in lieu of Supplemental Forms A through G if all of the following criteria are met:

- Use is less than 100,000 gallons per day
- Withdrawal facilities (wells or pump intakes) are less than 8-inches diameter
- Combined withdrawal capacity is less than 1,000,000 gallons per day
- Use is not for Mining/Dewatering
- Use is for Public Supply where end users are not individually metered

Use Type Category	Supplemental Form
☐ **Agricultural** (e.g., crops, livestock, nursery, aquaculture, pasture)	Form A Form No. 40C-2.900(1)(a)
☐ **Commercial / Industrial** (e.g., service business, food and beverage production, cooling and heating, commercial attraction, manufacturing, chemical processing, power generation)	Form B Form No. 40C-2.900(1)(b)
☐ **Landscape / Recreation** (e.g., irrigation of parks, cemeteries, landscaped areas, golf courses, athletic fields, playgrounds)	Form C Form No. 40C-2.900(1)(c)
☐ **Mining / Dewatering** (e.g., water use or removal associated with construction or excavation)	Form D Form No. 40C-2.900(1)(d)
☒ **Public Supply** (e.g., public or privately owned potable water supply utility)	Form E Form No. 40C-2.900(1)(e)
☐ **Environmental / Other** (e.g., aquifer remediation, environmental enhancement, or the use of water for other purposes)	Form F Form No. 40C-2.900(1)(f)

☐**Institutional** (e.g., hospital, university, military base, correctional facility)	Form G Form No. 40C-2.900(1)(g)

Form No. 40C-2.900(1), effective August 2014
Incorporated by reference in 40C-2.900(1), F.A.C.

SECTION IV – SOURCES OF WATER

(please attach additional facility tables if necessary)

SUMMARY OF GROUNDWATER (WELL) FACILITIES

Site or Wellfield Name[1]	District ID (if available)	Florida Unique Well ID (if available)	Owner's Well Name	Capacity (gpm)	Pump Type[2]	Casing Diameter (inches)[3]	Casing Depth (feet)	Total Depth (feet)	Status[4] (include date if proposed)	Type of Water Use Accounting Method[5]	Last Meter Check / Method Validation[6]	Type of Water Use (refer to Section III)
Tradewinds	19078		1	250	Submersible	8	35	240	Active		09-JAN-15	
Tradewinds	19079		2	150	Submersible	8	35	160	Active		08-JAN-15	
Tradewinds	19080		3	950	Turbine	12	38	240	Active	Flow Meter	09-JAN-15	

1 If project consists of separate or non-contiguous pieces of property or wellfields
2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), vacuum underdrain (typically used for dewatering), well point system (typically used for dewatering), or other (any pump that does not fall into one of the categories previously listed)
3 The casing diameter is defined as the largest permanent water-bearing casing of the well at land surface.
4 Active (currently in use), Inactive (capped, does not have power, or the connection to the water supply system has been severed), Abandoned (plugged and abandoned in accordance with 40C-3, Florida Administrative Code), or Proposed (include anticipated construction date)
5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF SURFACE WATER (PUMP) FACILITES

Site Name[1]	District ID (if available)	Owner's Pump Name	Pump Capacity (gpm)	Pump Intake Diameter (inches)	Pump Type[2]	Name of Surface Water Body	Type of Surface Water Body[3]	Status[4] (include date if proposed)	Type of Water Use Accounting Method[5]	Last Meter Check / Method Validation[6]	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields
2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), hydraulic dredge pump (typically used for mining), hydraulic dewatering pump (typically used for construction or mining), other (any pump that does not fall into one of the categories previously listed)
3 Ditch/canal, lake/pond (natural), lake/pond (artificial), river/creek, spring, mining/borrow pit
4 Active (currently in use), Inactive (does not have power, or the connection to the water supply system has been severed), Proposed
5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF CONNECTION POINT FACILITIES

Connection points include locations where potable or non-potable water
(including reclaimed water) purchased from a water supplier enters a project site.

Site Name[1]	District ID (if available)	Owner's Connection Point Name	Water Supplier Name[2]	Type of Surface Water Body[3]	Status[4] (include date if proposed)	Type of Water Use Accounting Method[5]	Last Meter Check / Method Validation[6]	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields
2 Name of water supplier that provides water to the project through the connection point
3 Reclaimed water holding pond, stormwater management system
4 Active (currently in use), Inactive (the connection to the water supply system has been severed), Proposed
5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
6 Enter the date of the last flow meter accuracy check or alternative method validation

SECTION V – USE OF LOWEST QUALITY WATER AND EVALUATION OF RECLAIMED WATER FEASIBILITY

The applicant may be required to evaluate the feasibility of utilizing reclaimed water and/or other lower quality water sources. The feasibility analysis must be completed as outlined in Section 2.3.3(e), A.H.

SECTION VI – SUMMARY OF REQUESTED WATER USE

Summarize the requested water use from each supplemental form (Agricultural, Public Supply, Commercial / Industrial, etc.) in the table below. Provide projections for each source, at five-year intervals, for the requested permit duration. If the requested permit duration exceeds 20 years, please attach a supplemental sheet providing additional five-year projections for each source.

Year	Requested Amounts and Source(s) of Water				
	Floridan ____ (mgy[2])	_____ (mgy)	_____ (mgy)	_____ (mgy)	Total Requested Water Use (mgy)
Other/Unknown	334000				334000
2026 - 2031	334000				334000
2031 - 2035	334000				334000

[1] Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake.
[2] Million gallons per year

SECTION VII – AQUIFER STORAGE AND RECOVERY *(complete if applicable)*

ASR Facility Name	Source of Stored Water[1]	Storage Aquifer Name	Recovery Water Destination	Projected Demand Average (mgy)	Projected Demand Maximum (mgy)	Projected Injected Average (mgy)	Projected Injected Maximum (mgy)

[1] Aquifer name, surface water body, water treatment plant name.

Please describe any projected increases or decreases (from historical average) in the amounts stored or recovered.

SECTION VIII – IMPACT EVALUATION

When determining whether the permit applicant has provided reasonable assurances that the conditions for issuance in Rule 40C-2.301, F.A.C., are met, the District will consider the projected impacts of the proposed consumptive use on an individual and cumulative basis. In order to provide reasonable assurance, studies and/or impact evaluations may be required. Please refer to the Applicant's Handbook for guidance regarding the impact evaluations and attach analyses, if applicable.

SECTION IX – APPLICANT CERTIFICATION

I certify that to the best of my knowledge and belief, all of the information provided on this form and in any attachment to it is correct. I also certify that I have legal authority to execute this application for the applicant and certify that the applicant will have sufficient legal authority to undertake the activities described herein. I understand that any material false statement in an application to continue, initiate, or modify a use, or any material false statement in any report or statement of fact required of the permittee, may result in revocation, in whole or in part, of the permit (Section 373.243(1), F.S.). With advance notice, I agree to provide St. Johns River Water Management District staff, with proper identification, entry to the project site for the purpose of performing analyses of the site for determining whether the conditions for issuance will be met. Further, if a permit is granted, I agree that, with advance notice, District staff with proper identification shall have permission to enter, inspect, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications.

(If applicable) I authorize _____ to act as my agent for permit application coordination.

Charles DeMenzes		**03-DEC-21**
APPLICANT'S NAME (print or type)	APPLICANT'S SIGNATURE	DATE
AUTHORIZED AGENT'S NAME (print or type)	AUTHORIZED AGENT'S SIGNATURE	DATE

When an application that will be considered by the District's Governing Board is complete, the applicant will be notified of the date of the hearing (Governing Board meeting) at which the application will be considered at least 14 days in advance. The Governing Board normally meets on the second Tuesday of the month.

SECTION X – APPLICANT CHECKLIST

The following items must be included with the permit application submittal:

- ☐ Proof of Property Control (e.g., deed, lease), if not already on file with the District
- ☐ Application Fee (refer to online fee schedule or Applicant's Handbook)
- ☐ Location/Site Map
- ☐ Supplemental Form(s) and associated supporting information (e.g., maps, calculations)
- ☐ Water Conservation Plan

Additional Addresses

Applicant	

Land Owner	

Agent	

Compliance Contact	

Consultant	Vivian J. Bielski Andreyev Engineering, Inc. 14338 Rialto Ave Brooksville FL 34613

Water Use Reporting (EN-50) Contact	Charlie deMenzes Tradewinds Utilities< inc. PO Box 5220

	Ocala FL 34478

Attorney	

Form No. 40C-2.900(1), effective August 2014
Incorporated by reference in 40C-2.900(1), F.A.C.

ATTACHMENT B

Florida’s DEP 2020 Inspection Report

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

June 10, 2020

Charles Demenzes, Owner
Tradewinds Utilities Inc.
NE 43rd Pl. & 27th Ct.
Ocala, FL 34478
charlie@altfo.com

Re: Tradewinds Village
PW Facility ID #3424620
Marion County

Dear Mr. Demenzes:

Department personnel conducted an inspection of the above-referenced facility on May 22, 2020. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records, and any non-compliance items which may have been identified at the time of the inspection have been corrected.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Amada Fernandez at 407-897-4159 or via e-mail at Amada.M.Fernandez@FloridaDEP.gov.

Sincerely,

Jill Farris, Manager
Central District
Florida Department of Environmental Protection

Enclosure: Inspection Report

cc: Amada Fernandez and Jill Farris, FDEP
UTILITIESMANAGEMENTTEAM@GMAIL.COM
Steve McGee, SMCGEE1953@YAHOO.COM

State of Florida
Department of Environmental Protection
Central District

SANITARY SURVEY REPORT

Plant Name **TRADEWINDS VILLAGE** County Marion PWS ID # **3424620**
Plant Location NE 43rd Place and NE 27th Court, Ocala, FL 34478 Phone 352-622-4949
Owner Name Tradewinds Utilities Inc. Phone 352-622-4949
Owner Address P.O. Box 5220, Ocala, FL 34478
Contact Person Charles Demenzes Title President Phone 352-622-4949
This Survey Date 5/22/20 Last Survey Date 7/13/17 Last Compliance Inspection Date 7/31/08

PWS TYPE: Community

PLANT CATEGORY & CLASS: 5C

MAX-DAY DESIGN CAPACITY: 950,000 gpd

PWS STATUS: Approved

TREATMENT PROCESSES IN USE
Hypochlorination

SERVICE AREA CHARACTERISTICS
Subdivision
Food Service: ☐ Yes ☐ No ☒ N/A

Number of Service Connections 375
Population Served 1,313 Basis Operator

OPERATION & MAINTENANCE LOG: Yes
Location Plant
Comments

CERTIFIED OPERATOR: Yes
Operator(s) & Certification Class-Number:
Steve McGee C-1854

Hrs/day: *Required* Visit* *Actual* Visit*
Days/wk: *Required* 5+1 *Actual* 5+1
Non-consecutive Days? ☐ Yes ☐ No ☒ N/A
Comments *Visit must total 0.6 hr/week

MONTHLY OPERATION REPORTS (MORs)
MORs submitted regularly? ☒ Yes ☐ No ☐ N/A
Data missing from MORs? ☒ No ☐ Yes ☐ N/A
Average Day (from MORs) 91,640 gpd
Maximum Day (from MORs) 250,000 gpd
Comments

Flow Measuring Device Flow Meter
Meter Size & Type 8" Water Specialties
Date Last Calibrated Unknown

RAW WATER SOURCE
☒ GROUND; Number of Wells 3
☐ PURCHASED from PWS ID #
☐ Emergency Water Source
Emergency Water Capacity

STANDBY POWER SOURCE: Yes
Source MQ Diesel - MQP30IZ
Capacity of Standby (kW) 100
Switchover: ☒ Automatic ☐ Manual
Hrs Operated Under Load 4 hrs/mo.
What equipment does it operate?
☒ Well Pumps Backup wells
☐ High Service Pumps
☒ Treatment Equipment All
Satisfy avg. daily demand? ☒Yes ☐No ☐Unknown
Audio-visual alarm? ☒Yes ☐No
Comments

PLANS AND MAPS

Coliform Sampling Plan	☒ Yes	☐ No	☐ N/A
D/DBP Monitoring Plan	☒ Yes	☐ No	☐ N/A
Lead and Copper Plan	☒ Yes	☐ No	☐ N/A
Distribution System Map	☒ Yes	☐ No	☐ N/A
Emergency Response Plan	☒ Yes	☐ No	☐ N/A

Comments

PREVENTIVE MAINTENANCE/O&M

Operation & Maintenance Manual	☒ Yes	☐ No	
Preventive Maintenance Program	☒ Yes	☐ No	☐ N/A
Flushing Program	☒ Yes	☐ No	☐ N/A
Records	☒ Yes	☐ No	☐ N/A
Isolation Valve Exercise	☒ Yes	☐ No	☐ N/A
Records	☒ Yes	☐ No	☐ N/A

Comments

CROSS CONNECTION CONTROL
BFPAs None noted # Tested Unknown
WWTP RPZ Yes Date Tested Unknown
Written Plan Yes Date Unknown
Comments

PWS ID # 3424620
Date 5/22/20

GROUND WATER SOURCE

Well Number (Florida Unique Well ID #)		1 (AAG9349)	2 (AAG9348)	3 (AAG9347)	
Year Drilled		1983	1983	1991	
Depth Drilled		285’	140’	164’	
Drilling Method		Rotary	Rotary	Rotary	
Type of Grout		Neat cement	Neat cement	Neat cement	
Static Water Level		23’	23’	23’	
Pumping Water Level		Unknown	Unknown	Unknown	
Design Well Yield		Unknown	Unknown	Unknown	
Test Yield		Unknown	Unknown	Unknown	
Actual Yield (if different than rated capacity)		Unknown	Unknown	Unknown	
Strainer		Unknown	Unknown	Unknown	
Length (outside casing)		105’	111’	88’	
Diameter (outside casing)		6”	6”	10”	
Material (outside casing)		Black steel	Black steel	Black steel	
Well Contamination History		None	None	None	
Is inundation of well possible?		No	No	No	
6’ X 6’ X 4” Concrete Pad		Yes	Yes	Yes	
SET BACKS	Septic Tank	N/A	N/A	N/A	
	Reuse Water	N/A	N/A	N/A	
	WW Plumbing	>100’	>100’	>100’	
	Other Sanitary Hazard	None observed	None observed	None observed	
PUMP	Type	Submersible	Submersible	Vertical turbine	
	Manufacturer Name	Sta-Rite	Sta-Rite	Goulds	
	Model Number	Unknown	Unknown	Unknown	
	Rated Capacity (gpm)	185	185	950	
	Motor Horsepower	10	10	75	
Well casing 12” above grade?		Yes	Yes	Yes	
Well Casing Sanitary Seal		OK	OK	OK	
Raw Water Sampling Tap		Yes*	Yes	Yes	
Above Ground Check Valve		Yes	Yes	Yes	
Security		Yes	Yes	Yes	
Well Vent Protection		Yes	Yes	Yes	

COMMENTS Well 1 and 2 serve as back-up wells. *Well 2 had threaded raw tap. Well 3 had algae on pump and wellpad.

PWS ID # 3424620
Date 5/22/20

CHLORINATION (Disinfection)
Type: ☐ Gas ☒ Hypo
Make (2) Chem-Tech Capacity 30 gpd
Chlorine Feed Rate 80% stroke
Avg. Amount of Cl_2 gas used N/A
Chlorine Residuals: Plant 0.69 Remote 0.53
Remote tap location Terry's Sports Bar & Grill
DPD Test Kit: ☐ On-site ☒ With operator
☐ None ☐ Not Used Daily
Injection Points Prior to elevated tank
Booster Pump Info N/A
Comments

Chlorine Gas Use Requirements	YES	NO	Comments
Dual System	☐	☐	
Auto-switchover	☐	☐	
Alarms:			
Loss of Cl_2 capability	☐	☐	
Loss of Cl_2 residual	☐	☐	
Cl_2 leak detection	☐	☐	
Scale	☐	☐	
Chained Cylinders	☐	☐	
Reserve Supply	☐	☐	
Adequate Air-pak	☐	☐	
Sign of Leaks	☐	☐	
Fresh Ammonia	☐	☐	
Ventilation	☐	☐	
Room Lighting	☐	☐	
Warning Signs	☐	☐	
Repair Kits	☐	☐	
Fitted Wrench	☐	☐	
Housing/Protection	☐	☐	

AERATION (Gases, Fe, & Mn Removal)
Type Capacity
Aerator Condition
Visible Algae Growth
Protective Screen Condition
Frequency of Cleaning
Date Last Inspected/Cleaned
Comments

STORAGE FACILITIES
(G) Ground (C) Clearwell (E) Elevated
(B) Bladder (H) Hydropneumatic / flow-through

Tank Type/Number	H1/ft	H2/ft*	E
Capacity (gal)	5,000	10,000	200,000
Material	Steel	Steel	Steel
Gravity Drain	Yes	Yes	Yes
By-Pass Piping	Yes	Yes	Yes
Protected Openings	Yes	Yes	Yes
Sight Glass or Level Indicator	Yes	Yes	Yes
PRV/ARV	PRV	PRV	None
Pressure Gauge	No	No	Yes
On/Off Pressure	N/A	N/A	40/60'
Access Secured	Yes	Yes	Yes
Access Manhole	Yes	Yes	Yes
Tank Sample Tap Location	On tank	On tank	Discharge piping
Date of Inspection	N/A	N/A	12/19
Date of Cleaning	N/A	N/A	12/19

Comments H1 and H2 offline since about 2015.

HIGH SERVICE PUMPS

Pump Number		
Type		
Make		
Model		
Capacity (gpm)		
Motor HP		
Date Installed		

Comments

DEFICIENCIES:

Areas of Concern	Rule	Corrective Action	Date Corrected	Significant Deficiency?
Vertical turbine pump and well pad had biogrowth.	62-555.350(2)	Thoroughly clean.	6/2/20 – Debbie Dillon stated in an email that algae growth had been treated with chlorine and removed.	No
Raw sample tap is threaded. [Well 2 had threaded raw tap.]	62-555.320(8)(b)2	Provide a downward opening, smooth-nosed raw water sampling tap with no threads, at least 12" above well pad, located before the check valve if possible & before all treatment facilities & chemical application points.	6/2/20 – Debbie Dillon stated in an email that the threaded tap had been trimmed and was no longer threaded.	No
No record that the calibration of the finished-drinking-water flow meter has been checked.	62-555.350(2)	The calibration of finished-drinking-water flow meters should be checked at least once every 5 years.	6/4/20 – Flow meter calibration was completed 6/4/20.	No

MONITORING REMINDER:

- Nitrate and nitrite samples are required to be collected from the point of entry (POE) to the distribution system annually. The 2020 results have not been received.
- The consumer confidence report (CCR) must be delivered to consumers and the Department no later than July 1, 2020, and certification of delivery of the CCR must be submitted to the Department no later than August 10, 2020.
- Monitoring schedules are available on the Central District's Drinking Water site:

https://floridadep.gov/central/central/content/resources-drinking-water-facilities-and-operators-central-district

COMMENTS:

- Contact FRWA (Florida Rural Water Association) at 850-668-2746, or frwa@frwa.net, for free technical assistance with your system. FRWA has extended benefits offered to members.
- Provide documentation that the finished-drinking-water meter has been calibrated at least every 5 years.

  Checking the calibration of finished-drinking-water meters at treatment plants shall be performed in accordance with the equipment manufacturer's recommendations or in accordance with a written preventive maintenance program established by the supplier of water. [Rule 62-555.350(2), F.A.C.]
- Suppliers of water shall submit written notification to the Department before beginning work or alterations to the public water system. Each notification shall be submitted to the appropriate Department of Environmental Protection District Office or Approved County Health Department and shall include the following: a description of the scope, purpose, and location of the work or alterations; and assurance that the work or alterations will comply with

applicable requirements listed in Rule 62-555.330, F.A.C. Suppliers of water may begin such work or alterations 14 days after providing notification to the Department unless they are advised by the Department that the notification is incomplete or that a construction permit is required.

- Suppliers of water shall telephone the SWO at 1-800-320-0519 immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system. [Rule 62-555.350(10)(a), F.A.C.]
- Suppliers of water shall telephone, and speak directly to a person at, the appropriate DEP District Office as soon as possible, but never later than noon of the next business day, in the event of any of the following emergency or abnormal operating conditions:
  - The occurrence of any abnormal color, odor, or taste in a public water system's raw or finished water;
  - The failure of a public water system to comply with applicable disinfection requirements; or
  - The breakdown of any water treatment or pumping facilities, or the break of any water main, in a public water system if the breakdown or break is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(b), F.A.C.]
- Suppliers of water shall notify affected water customers in writing or via telephone, newspaper, radio, or television; and telephone, and speak directly to a person at, the appropriate DEP District Office by no later than the previous business day before taking PWS components out of operation for planned maintenance or repair work if the work is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(d), F.A.C.]
- Suppliers of water shall issue precautionary “boil water” notices as required or recommended in the Department of Health’s “Guidelines for the Issuance of Precautionary Boil Water Notices” as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(11), F.A.C.]

amada fernandez	
Inspector Signature	*Reviewer Signature*
Amada Fernandez	Jill Farris
Printed Name	*Printed Name*
Environmental Specialist II	Environmental Manager
Title	*Title*
6/10/20	6/10/20
Date	*Date*

ATTACHMENT C

Compliance Historical Documentation

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions.

A. Public Water System (PWS) Information

PWS Name: TRADEWINDS VILLAGE			PWS Identification Number: 3424620
PWS Type: ☑ Community ☐ Non-Transient Non-Community ☐ Transient Non-Community ☐ Consecutive			
Number of Service Connections at End of Month: 375	Total Population Served at End of Month: 1313		
PWS Owner: CHARLES DEMENZES			
Contact Person:	Contact Person's Title:		
Contact Person's Mailing Address: NE 43 PL & 27TH CT	City:	State:	Zip Code:
Contact Person's Telephone Number:	Contact Person's Fax Number:		
Contact Person's E-Mail Address:			

B. Water Treatment Plant Information

Plant Name: TRADEWINDS VILLAGE			Plant Telephone Number: 352-622-4949
Plant Address: NE 43 PL & 27TH CT	City: OCALA	State: FL	Zip Code: 34478
Type of Water Treated by Plant: ☑ Raw Ground Water ☐ Purchased Finished Water			
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 950000			
Plant Category (per subsection 62-699.310(4), F.A.C.): 5	Plant Class (per subsection 62-699.310(4), F.A.C.): 5		

Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:	Reuben Law	B	0013153	
Other Operators:	Reuben Law	B	0013153	6 Days per week.

II. Certification by Lead/Chief Operator

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge and belief. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to retain these additional operations records at the plant site for at least ten years and to make them available for review upon request.

Signature and Date	Printed or Typed Name	License Number
Reuben Law (02/03/2022)	Reuben Law	0013153

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

See page 4 for instructions.

A. Public Water System (PWS) Information

PWS Name:			PWS Identification Number:
PWS Type: Community Non-Transient Non-Community Transient Non-Community Consecutive			
Number of Service Connections at End of Month:		Total Population Served at End of Month:	
PWS Owner:			
Contact Person:		Contact Person's Title:	
Contact Person's Mailing Address:	City:	State:	Zip Code:
Contact Person's Telephone Number:		Contact Person's Fax Number:	
Contact Person's E-Mail Address:			

B. Water Treatment Plant Information

Plant Name:			Plant Telephone Number:	
Plant Address:	City:		State:	Zip Code:
Type of Water Treated by Plant: Raw Ground Water Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day:				
Plant Category (per subsection 62-699.310(4), F.A.C.):	Plant Class (per subsection 62-699.310(4), F.A.C.):			

Licensed Operators	Name	License Class	License Number	Day(s)/Shift(s) Worked
Lead/Chief Operator:				
Other Operators:				

II. Certification by Lead/Chief Operator

I, the undersigned water treatment plant operator licensed in Florida, am the lead/chief operator of the water treatment plant identified in Part I of this report. I certify that the information provided in this report is true and accurate to the best of my knowledge and belief. I certify that all drinking water treatment chemicals used at this plant conform to NSF International Standard 60 or other applicable standards referenced in subsection 62-555.320(3), F.A.C. I also certify that the following additional operations records for this plant were prepared each day that a licensed operator staffed or visited this plant during the month indicated above: (1) records of amounts of chemicals used and chemical feed rates; and (2) if applicable, appropriate treatment process performance records. Furthermore, I agree to retain these additional operations records at the plant site for at least ten years and to make them available for review upon request.

Signature and Date | Printed or Typed Name | License Number

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number:	Plant Name:

III. Daily Data for the Month/Year of:

Means of Achieving Four-Log Virus Inactivation/Removal: * Free Chlorine Chlorine Dioxide Ozone Combined Chlorine (Chloramines)
Ultraviolet Radiation Other (Describe):

Type of Disinfectant Residual Maintained in Distribution System: Free Chlorine Combined Chlorine (Chloramines) Chlorine Dioxide

Day of the Month	Hours Plant in Operation	Net Quantity of Finished Water Produced, gal	CT Calculations, or UV Dose, to Demonstrate Four-Log Virus Inactivation, if Applicable*									Lowest Residual Disinfectant Concentration at Remote Point in Distribution System, mg/L	Emergency or Abnormal Operating Conditions; Repair or Maintenance Work that Involves Taking Water System Components Out of Operation
			CT Calculations							UV Dose			
			Peak Flow Rate, gpd	Lowest Residual Disinfectant Concentration (C) Before or at First Customer During Peak Flow, mg/L	Disinfectant Contact Time (T) at C Measurement Point During Peak Flow, minutes	Lowest CT Provided Before or at First Customer During Peak Flow, mg-min/L	Temp. of Water, °C	pH of Water, if Applicable	Minimum CT Required, mg-min/L	Lowest Operating UV Dose, mW-sec/cm^2	Minimum UV Dose Required, mW-sec/cm^2		
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
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23													
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25													
26													
27													
28													
29													
30													
31													
Total													
Average													
Maximum													

** Refer to the instructions for this report to determine which plants must provide this information.*

DEP Form 62-555.900(3)
Effective August 28, 2003

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number:	Plant Name:

IV. Summary of Use of Polymer Containing Acrylamide, Polymer Containing Epichlorohydrin, and Iron or Manganese Sequestrant for the Year: *

A. Is any polymer containing the monomer acrylamide used at the water treatment plant? No Yes, and the polymer dose and the acrylamide level in the polymer are as follows:

Polymer Dose, ppm =	Acrylamide Level, %† =

B. Is any polymer containing the monomer epichlorohydrin used at the water treatment plant? No Yes, and the polymer dose and the epichlorohydrin level in the polymer are as follows:

Polymer Dose, ppm =	Epichlorohydrin Level, %† =

C. Is any iron or manganese sequestrant used at the water treatment plant? No Yes, and the type of sequestrant, sequestrant dose, etc., are as follows:

Type of Sequestrant (polyphosphate or sodium silicate):
Sequestrant Dose, mg/L of phosphate as PO_4 or mg/L of silicate as SiO_2 =
If sodium silicate is used, the amount of added plus naturally occurring silicate, in mg/L as SiO_2 =

* *Complete and submit Part IV of this report only with the monthly operation report for December of each year and only for water treatment plants using polymer containing acrylamide, polymer containing epichlorohydrin, and/or an iron and manganese sequestrant.*

† *Acrylamide and epichlorohydrin levels may be based on the polymer manufacturer's certification or on third-party certification.*

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

INSTRUCTIONS: This report shall be completed and submitted by all public water systems, except transient non-community water systems using only ground water and serving only businesses other than public food service establishments, that treat raw ground water or purchased finished water. WITHIN TEN DAYS AFTER THE END OF EACH MONTH, complete this report and submit it to the appropriate Department of Environmental Protection District Office or Approved County Health Department. All information provided in this report shall be typed or printed in ink. Complete and submit Parts I through III of this report every month; complete and submit Part IV of this report only with the monthly operation report for December of each year and only if using polymer containing acrylamide, polymer containing epichlorohydrin, and/or an iron and manganese sequestrant. NOTE THAT A SEPARATE MONTHLY OPERATION REPORT IS REQUIRED FOR EACH PLANT TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER.

The following specific instructions are for Part II of this report.

Process performance records shall be kept for the following treatment processes: coagulation/flocculation, sedimentation, filtration, lime-soda ash softening, ion exchange softening, nanofiltration and reverse osmosis, and electrodialysis. Coagulation/flocculation records should include source water temperature, pH, turbidity, color, and alkalinity and process effluent pH and alkalinity in addition to chemical feed rates. Sedimentation records should include process effluent turbidity and sludge volume produced. Filtration records should include process effluent turbidity and color, number of filters in service, filtration rates, unit filter run volumes, head losses, length of filter runs, frequency of backwash, amount of backwash water used, duration of backwash, and backwash rates. Lime-soda ash softening records should include source water and process effluent hardness in addition to records for coagulation/flocculation, sedimentation, and filtration. Ion exchange softening records should include feed and bypass flows, blend rate, and salt and brine used. Nanofiltration and reverse osmosis records should include feed, product, and brine flows; feed pressure, temperature, pH, conductivity, and turbidity; product pH and conductivity; and brine pH and conductivity. Electrodialysis records should include polarity, feed temperature and total dissolved solids, product conductivity and total dissolved solids, dilute flow rate, brine make-up, pressures, and volts/amps.

The following specific instructions are for the table in Part III of this report.

HOURS PLANT IN OPERATION. For each day the plant is in operation, enter the number of hours that the plant is in operation.

NET QUANTITY OF FINISHED WATER PRODUCED. Enter the net quantity of finished water, excluding any filter backwash water, produced by the plant for each day the plant is in operation; compute and enter the total net quantity of finished water produced for the month; compute and enter the average daily net quantity of finished water produced for the month; and enter the maximum day net quantity of finished water produced for the month. If the plant is staffed during every hour it is in operation or if the plant has flow recording equipment, enter the net quantity of finished water produced between 12:00 midnight and 12:00 midnight for each day the plant is in operation. If the plant is <u>not</u> staffed during some hours it is in operation and if the plant does <u>not</u> have flow recording equipment, read the totalizing flow meter(s) (or the elapsed time clock[s]) at approximately the same time each day the plant is staffed or visited by a licensed operator and enter the net quantity of finished water produced during the one or more calendar days since the meter(s) (or the elapsed time clock[s]) was(were) last read. For each entry that represents the net quantity of finished water produced during two or more calendar days, place a "}" next to the calendar days covered by the entry and assume the entry is divided evenly between those calendar days for the purpose of determining the maximum day net quantity of finished water produced for the month.

CT CALCULATIONS, OR UV DOSE, TO DEMONSTRATE FOUR-LOG VIRUS INACTIVATION, IF APPLICABLE. Provide this information if the plant is treating raw ground water from wells considered microbially contaminated or susceptible to microbial contamination per paragraph 62-555.315(6)(b) or (f), F.A.C, and beginning no later than January 1, 2006, provide this information if the plant is treating water in a manner that exposes the water during treatment to the open atmosphere and possible microbial contamination. (Aerators and other facilities that are protected from contamination by birds, insects, wind-borne debris, rainfall, and water drainage are <u>not</u> considered to be exposing water to the open atmosphere and possible microbial contamination.)

For each day water is served to the public from a plant that includes chemical disinfection for virus inactivation, enter the lowest residual disinfectant concentration (C) measured before or at the first customer during peak flow, the corresponding disinfectant contact time (T) at the C measurement point during peak flow, and the resulting lowest CT provided before or at the first customer during peak flow. (Disinfectant contact time in pipelines flowing full shall be calculated by dividing the internal volume of the pipeline by the flow rate through the pipeline, and disinfectant contact time in tanks, etc., shall be the time it takes for ten percent of the water to pass through the tank, etc., and shall be determined by tracer studies or by multiplying the theoretical detention time by an appropriate T_{10}/T factor based upon baffling conditions in the tank, etc. Table 1 at the end of these instructions lists appropriate T_{10}/T factors for various baffling conditions.) In addition, for each day water is served to the public from the plant, enter the temperature of the water at the point where C is measured; enter the pH of the water at the point where C is measured if free chlorine is being used for virus inactivation; and with this temperature

and pH information, determine and enter the minimum CT required. (Required minimum CT values are listed in Appendix E of the *Guidance Manual for Compliance with the Filtration and Disinfection Requirements for Public Water Systems Using Surface Water Sources*. Tables 2 through 6 at the end of these instructions present the values from Appendix E.)

For each day water is served to the public from a plant that includes ultraviolet (UV) disinfection for virus inactivation, enter the lowest operational UV dose measured and the minimum UV dose required.

LOWEST RESIDUAL DISINFECTANT CONCENTRATION AT REMOTE POINT IN DISTRIBUTION SYSTEM. For each day a water system serving 3,300 or more persons serves water to the public or five days per week, whichever is less, enter the residual disinfectant concentration measured at a point in the distribution system reflecting maximum residence time after disinfectant addition. For each day a water system serving less than 3,300 persons serves water to the public or two days per week, whichever is less, enter the residual disinfectant concentration measured at a point in the distribution system reflecting maximum residence time after disinfectant addition.

EMERGENCY OR ABNORMAL OPERATING CONDITIONS; REPAIR OR MAINTENANCE WORK THAT INVOLVES TAKING WATER SYSTEM COMPONENTS OUT OF OPERATION. For each day there are emergency or abnormal operating conditions at the plant or in the distribution system served by the plant, describe the emergency or abnormal operating conditions (attach additional sheets as necessary). In addition, for each day plant or distribution components other than water service lines are taken out of operation for repair or maintenance, describe the repair or maintenance (attach additional sheets as necessary).

Table 1: T_{10}/T Factors for Various Baffling Conditions

Baffling Condition	T_{10}/T	Baffling Description
Unbaffled (mixed flow)	0.1	No baffling, agitated basin, very low length-to-width ratio, high inlet and outlet velocities
Poor	0.3	Single or multiple unbaffled inlets and outlets, no intrabasin baffles
Average	0.5	Baffled inlet or outlet with some intrabasin baffles
Superior	0.7	Perforated inlet baffle, serpentine or perforated intrabasin baffles, outlet weir or perforated launders
Perfect (plug flow)	1.0	Very high length-to-width ratio (pipeline flow); perforated inlet, outlet, and intrabasin baffles

Table 2: CT Values for Inactivation of Viruses by Free Chlorine, pH 6-9

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	1.0	1.0	1.0	1.0	1.0
3	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0
4	6.0	5.6	5.2	4.8	4.4	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0

Table 3: CT Values for Inactivation of Viruses by Free Chlorine, pH 10

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	22.0	20.6	19.2	17.8	16.4	15.0	14.2	13.4	12.6	11.8	11.0	10.2	9.4	8.6	7.8	7.0
3	33.0	30.8	28.6	26.4	24.2	22.0	20.8	19.6	18.4	17.2	16.0	15.0	14.0	13.0	12.0	11.0
4	45.0	42.0	39.0	36.0	33.0	30.0	28.4	26.8	25.2	23.6	22.0	20.6	19.2	17.8	16.4	15.0

Table 4: CT Values for Inactivation of Viruses by Chlorine Dioxide

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	4.2	3.9	3.6	3.4	3.1	2.8	2.7	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.5	1.4
3	12.8	12.0	11.1	10.3	9.4	8.6	8.2	7.7	7.3	6.8	6.4	6.0	5.6	5.1	4.7	4.3
4	25.1	23.4	21.7	20.1	18.4	16.7	15.9	15.0	14.2	13.3	12.5	11.7	10.9	10.0	9.2	8.4

Table 5: CT Values for Inactivation of Viruses by Chloramines if Chlorine Is Added Prior to Ammonia

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	643	600	557	514	471	428	407	385	364	342	321	300	278	257	235	214
3	1,067	996	925	854	783	712	676	641	605	570	534	498	463	427	392	356
4	1,491	1,392	1,292	1,193	1,093	994	944	895	845	796	746	696	646	597	547	497

Table 6: CT Values for Inactivation of Viruses by Ozone

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	0.50	0.46	0.42	0.38	0.34	0.30	0.29	0.28	0.27	0.26	0.25	0.23	0.21	0.19	0.17	0.15
3	0.80	0.74	0.68	0.62	0.56	0.50	0.48	0.46	0.44	0.42	0.40	0.37	0.34	0.31	0.28	0.25
4	1.00	0.92	0.84	0.76	0.68	0.60	0.58	0.56	0.54	0.52	0.50	0.46	0.42	0.38	0.34	0.30

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

PWS Identification Number:	Plant Name:

IV. Summary of Use of Polymer Containing Acrylamide, Polymer Containing Epichlorohydrin, and Iron or Manganese Sequestrant for the Year: *

A. Is any polymer containing the monomer acrylamide used at the water treatment plant? No Yes, and the polymer dose and the acrylamide level in the polymer are as follows:

Polymer Dose, ppm =	Acrylamide Level, %† =

B. Is any polymer containing the monomer epichlorohydrin used at the water treatment plant? No Yes, and the polymer dose and the epichlorohydrin level in the polymer are as follows:

Polymer Dose, ppm =	Epichlorohydrin Level, %† =

C. Is any iron or manganese sequestrant used at the water treatment plant? No Yes, and the type of sequestrant, sequestrant dose, etc., are as follows:

Type of Sequestrant (polyphosphate or sodium silicate):
Sequestrant Dose, mg/L of phosphate as PO_4 or mg/L of silicate as SiO_2 =
If sodium silicate is used, the amount of added plus naturally occurring silicate, in mg/L as SiO_2 =

* *Complete and submit Part IV of this report only with the monthly operation report for December of each year and only for water treatment plants using polymer containing acrylamide, polymer containing epichlorohydrin, and/or an iron and manganese sequestrant.*

† *Acrylamide and epichlorohydrin levels may be based on the polymer manufacturer's certification or on third-party certification.*

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

INSTRUCTIONS: This report shall be completed and submitted by all public water systems, except transient non-community water systems using only ground water and serving only businesses other than public food service establishments, that treat raw ground water or purchased finished water. WITHIN TEN DAYS AFTER THE END OF EACH MONTH, complete this report and submit it to the appropriate Department of Environmental Protection District Office or Approved County Health Department. All information provided in this report shall be typed or printed in ink. Complete and submit Parts I through III of this report every month; complete and submit Part IV of this report only with the monthly operation report for December of each year and only if using polymer containing acrylamide, polymer containing epichlorohydrin, and/or an iron and manganese sequestrant. NOTE THAT A SEPARATE MONTHLY OPERATION REPORT IS REQUIRED FOR EACH PLANT TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER.

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The following specific instructions are for the table in Part III of this report.

HOURS PLANT IN OPERATION. For each day the plant is in operation, enter the number of hours that the plant is in operation.

NET QUANTITY OF FINISHED WATER PRODUCED. Enter the net quantity of finished water, excluding any filter backwash water, produced by the plant for each day the plant is in operation; compute and enter the total net quantity of finished water produced for the month; compute and enter the average daily net quantity of finished water produced for the month; and enter the maximum day net quantity of finished water produced for the month. If the plant is staffed during every hour it is in operation or if the plant has flow recording equipment, enter the net quantity of finished water produced between 12:00 midnight and 12:00 midnight for each day the plant is in operation. If the plant is <u>not</u> staffed during some hours it is in operation and if the plant does <u>not</u> have flow recording equipment, read the totalizing flow meter(s) (or the elapsed time clock[s]) at approximately the same time each day the plant is staffed or visited by a licensed operator and enter the net quantity of finished water produced during the one or more calendar days since the meter(s) (or the elapsed time clock[s]) was(were) last read. For each entry that represents the net quantity of finished water produced during two or more calendar days, place a "}" next to the calendar days covered by the entry and assume the entry is divided evenly between those calendar days for the purpose of determining the maximum day net quantity of finished water produced for the month.

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For each day water is served to the public from a plant that includes chemical disinfection for virus inactivation, enter the lowest residual disinfectant concentration (C) measured before or at the first customer during peak flow, the corresponding disinfectant contact time (T) at the C measurement point during peak flow, and the resulting lowest CT provided before or at the first customer during peak flow. (Disinfectant contact time in pipelines flowing full shall be calculated by dividing the internal volume of the pipeline by the flow rate through the pipeline, and disinfectant contact time in tanks, etc., shall be the time it takes for ten percent of the water to pass through the tank, etc., and shall be determined by tracer studies or by multiplying the theoretical detention time by an appropriate T_{10}/T factor based upon baffling conditions in the tank, etc. Table 1 at the end of these instructions lists appropriate T_{10}/T factors for various baffling conditions.) In addition, for each day water is served to the public from the plant, enter the temperature of the water at the point where C is measured; enter the pH of the water at the point where C is measured if free chlorine is being used for virus inactivation; and with this temperature

and pH information, determine and enter the minimum CT required. (Required minimum CT values are listed in Appendix E of the *Guidance Manual for Compliance with the Filtration and Disinfection Requirements for Public Water Systems Using Surface Water Sources*. Tables 2 through 6 at the end of these instructions present the values from Appendix E.)

For each day water is served to the public from a plant that includes ultraviolet (UV) disinfection for virus inactivation, enter the lowest operational UV dose measured and the minimum UV dose required.

LOWEST RESIDUAL DISINFECTANT CONCENTRATION AT REMOTE POINT IN DISTRIBUTION SYSTEM. For each day a water system serving 3,300 or more persons serves water to the public or five days per week, whichever is less, enter the residual disinfectant concentration measured at a point in the distribution system reflecting maximum residence time after disinfectant addition. For each day a water system serving less than 3,300 persons serves water to the public or two days per week, whichever is less, enter the residual disinfectant concentration measured at a point in the distribution system reflecting maximum residence time after disinfectant addition.

EMERGENCY OR ABNORMAL OPERATING CONDITIONS; REPAIR OR MAINTENANCE WORK THAT INVOLVES TAKING WATER SYSTEM COMPONENTS OUT OF OPERATION. For each day there are emergency or abnormal operating conditions at the plant or in the distribution system served by the plant, describe the emergency or abnormal operating conditions (attach additional sheets as necessary). In addition, for each day plant or distribution components other than water service lines are taken out of operation for repair or maintenance, describe the repair or maintenance (attach additional sheets as necessary).

Table 1: T_{10}/T Factors for Various Baffling Conditions

Baffling Condition	T_{10}/T	Baffling Description
Unbaffled (mixed flow)	0.1	No baffling, agitated basin, very low length-to-width ratio, high inlet and outlet velocities
Poor	0.3	Single or multiple unbaffled inlets and outlets, no intrabasin baffles
Average	0.5	Baffled inlet or outlet with some intrabasin baffles
Superior	0.7	Perforated inlet baffle, serpentine or perforated intrabasin baffles, outlet weir or perforated launders
Perfect (plug flow)	1.0	Very high length-to-width ratio (pipeline flow); perforated inlet, outlet, and intrabasin baffles

Table 2: CT Values for Inactivation of Viruses by Free Chlorine, pH 6-9

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	1.0	1.0	1.0	1.0	1.0
3	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0
4	6.0	5.6	5.2	4.8	4.4	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0

Table 3: CT Values for Inactivation of Viruses by Free Chlorine, pH 10

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	22.0	20.6	19.2	17.8	16.4	15.0	14.2	13.4	12.6	11.8	11.0	10.2	9.4	8.6	7.8	7.0
3	33.0	30.8	28.6	26.4	24.2	22.0	20.8	19.6	18.4	17.2	16.0	15.0	14.0	13.0	12.0	11.0
4	45.0	42.0	39.0	36.0	33.0	30.0	28.4	26.8	25.2	23.6	22.0	20.6	19.2	17.8	16.4	15.0

Table 4: CT Values for Inactivation of Viruses by Chlorine Dioxide

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	4.2	3.9	3.6	3.4	3.1	2.8	2.7	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.5	1.4
3	12.8	12.0	11.1	10.3	9.4	8.6	8.2	7.7	7.3	6.8	6.4	6.0	5.6	5.1	4.7	4.3
4	25.1	23.4	21.7	20.1	18.4	16.7	15.9	15.0	14.2	13.3	12.5	11.7	10.9	10.0	9.2	8.4

Table 5: CT Values for Inactivation of Viruses by Chloramines if Chlorine Is Added Prior to Ammonia

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	643	600	557	514	471	428	407	385	364	342	321	300	278	257	235	214
3	1,067	996	925	854	783	712	676	641	605	570	534	498	463	427	392	356
4	1,491	1,392	1,292	1,193	1,093	994	944	895	845	796	746	696	646	597	547	497

Table 6: CT Values for Inactivation of Viruses by Ozone

	Water Temperature (°C)															
Inactivation (Log)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	0.50	0.46	0.42	0.38	0.34	0.30	0.29	0.28	0.27	0.26	0.25	0.23	0.21	0.19	0.17	0.15
3	0.80	0.74	0.68	0.62	0.56	0.50	0.48	0.46	0.44	0.42	0.40	0.37	0.34	0.31	0.28	0.25
4	1.00	0.92	0.84	0.76	0.68	0.60	0.58	0.56	0.54	0.52	0.50	0.46	0.42	0.38	0.34	0.30

FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

February 8, 2022

Charles Demenzes, Manager
Tradewinds Utilities, Inc.
1552 SW 7th Rd
OCALA, FL 34471
charlie@altfo.com

Re: Compliance Assistance Offer
Tradewinds Village
PW Facility ID #3424690
Marion County

Dear Mr. Demenzes:

A file review was conducted on your facility on February 7, 2022. During this file review, potential non-compliance was noted. The purpose of this letter is to offer compliance assistance as a means of resolving this matter.

Specifically, Department records indicate your facility did not perform required testing for *lead and copper* sampling/testing, which were required to be *performed triennially* per rule 62-550, Florida Administrative Code (F.A.C) or according to your permit. The report was due by October 10, 2021 and was submitted late. The report was received by the Department on February 2, 2022.

We request you review the item of concern noted and respond in writing within **15 days** of receipt of this Compliance Assistance Offer. Your written response should include the following:

1. Describe what has been done to resolve the non-compliance issue or provide a schedule describing how/when the issue will be addressed.
   - Provide documentation on steps that have been taken to prevent future sampling omissions.
   - The system has incurred a monitoring and reporting violation. For community water systems, this violation must be included on the CCR issued in 2022.
2. Provide the requested information, or information that mitigates the concerns or demonstrates them to be invalid.

It is the Department's desire that you are able adequately address the aforementioned issues so that this matter can be closed. Your failure to respond promptly may result in the initiation of formal enforcement proceedings.

Please address your response and any questions to Miranda Rothenberger of the Central District Office at 407-897-4301 or via e-mail at Miranda.Rothenberger@FloridaDEP.gov. We look forward to your cooperation with this matter.

Sincerely,



Daniel Hall, Environmental Manager
Central District
Florida Department of Environmental Protection

cc: Miranda Rothenberger, FDEP
Reuben Law, randkenvironmental@outlook.com

ATTACHMENT D

Local Vendor Recommendations

a. Recommendations for local vendors
    i. O&M Companies
        US Water Service
        Utility Technicians
    ii. Labs or Testing Companies
        Aqua Pure (352)-355-2383
    iii. General Contractors
        Oxford Pipeline
    iv. Well Drillers
        Unknown
    v. Electricians
        Interstate Electric

ATTACHMENT E

Site Photographs

East Elevation

289°W (T) ◉ 29°13'56"N, 82°5'52"W ±22ft ▲ 77



South East Elevation

314°NW (T) ◉ 29°13'55"N, 82°5'54"W ±52ft ▲ 73



North West Elevation

138°SE (T) ◉ 29°13'57"N, 82°5'54"W ±26ft ▲ 78



East Elevation

252°W (T) ◉ 29°13'54"N, 82°5'59"W ±39ft ▲ 112




North West Elevation
123°SE (T) 29°13'55"N, 82°5'58"W ±52ft ▲ 73ft
Lift station
Your Watermark - See Settings
Well tags
07 Feb 2022, 16:20:54 UTC


North East Elevation
222°SW (T) 29°13'55"N, 82°5'59"W ±154ft ▲ 968
Well yard
Your Watermark - See Settings
Hypo tank
07 Feb 2022, 16:21:34 UTC


North Elevation
186°S (T) 29°13'55"N, 82°5'58"W ±219ft ▲ 73
Well yard
Your Watermark - See Settings
Transfer switch, bac
07 Feb 2022, 16:23:17 UTC


North East Elevation
205°SW (T) 29°13'54"N, 82°5'58"W ±13ft ▲ 72
Well yard
Your Watermark - See Settings
Other 10 HP wel
07 Feb 2022, 16:24:56 UTC


North West Elevation
133°SE (T) ◉ 29°13'54"N, 82°5'58"W ±16ft ▲ 72
Well yard
Your Watermark - See Settings
07 Feb 2022, 16:25:35 UTC

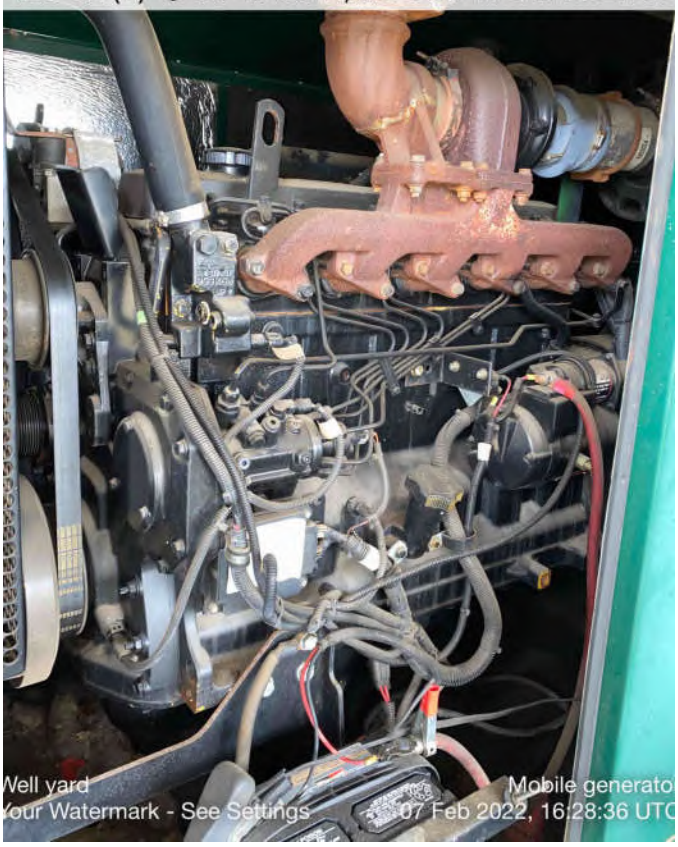

North West Elevation
130°SE (T) ◉ 29°13'54"N, 82°5'58"W ±13ft ▲ 71
Well yard
Your Watermark - See Settings
07 Feb 2022, 16:26:23 UTC


South Elevation
19°N (T) ◉ 29°13'54"N, 82°5'58"W ±22ft ▲ 72
Well yard
Your Watermark - See Settings
07 Feb 2022, 16:26:42 UTC


North East Elevation
219°SW (T) ◉ 29°13'55"N, 82°5'58"W ±32ft ▲ 73ft
Well yard
Your Watermark - See Settings
Mobile generator

North West Elevation

126°SE (T) ◉ 29°13'53"N, 82°5'58"W ±131ft ▲ 702



Well yard
Your Watermark - See Settings
Mobile generato
07 Feb 2022, 16:28:36 UTC

West Elevation

103°E (T) ◉ 29°13'54"N, 82°5'58"W ±16ft ▲ 73



Well yard
Your Watermark - See Settings
Mobile generato
07 Feb 2022, 16:28:52 UTC

East Elevation

272°W (T) ◉ 29°13'54"N, 82°5'58"W ±13ft ▲ 73



Well yard
Your Watermark - See Settings
Mobile generato
07 Feb 2022, 16:29:23 UTC

South East Elevation

303°NW (T) ◉ 29°13'54"N, 82°5'58"W ±101ft ▲ 73



Well yard
Your Watermark - See Settings
By-pass valve
07 Feb 2022, 16:31:33 UTC

South Elevation

343°N (T) ◉ 29°13'54"N, 82°5'58"W ±22ft ▲ 72



South East Elevation

336°NW (T) ◉ 29°13'54"N, 82°5'58"W ±16ft ▲ 72



East Elevation

292°W (T) ◉ 29°13'54"N, 82°5'58"W ±45ft ▲ 73



South West Elevation

25°NE (T) ◉ 29°13'54"N, 82°5'58"W ±16ft ▲ 73



North Elevation



South West Elevation



East Elevation



West Elevation

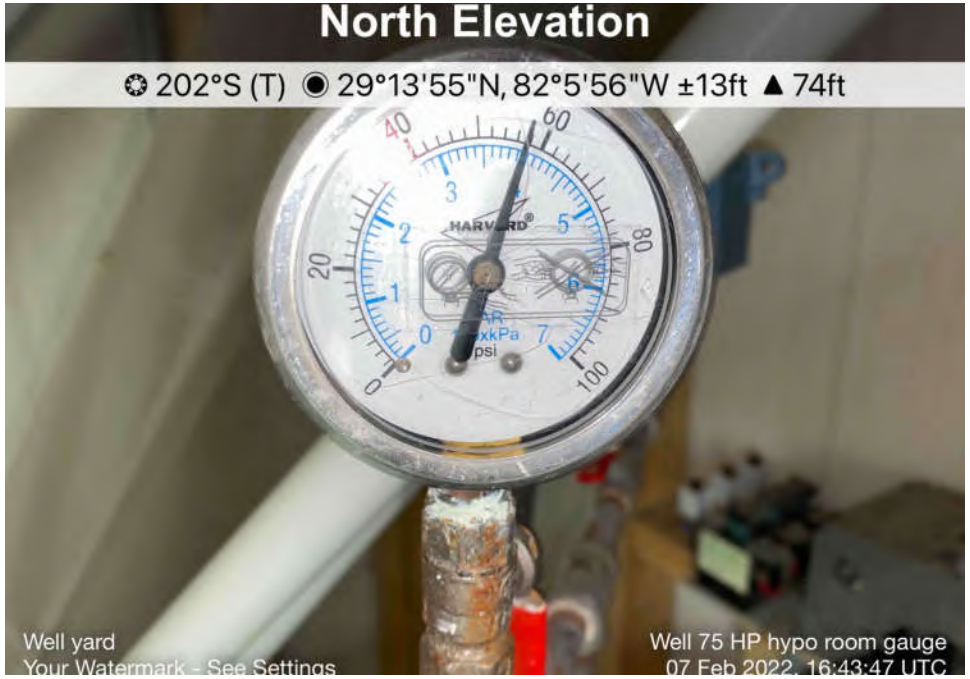



North West Elevation
151°SE (T) ◉ 29°13'55"N, 82°5'57"W ±13ft ▲ 76
Well yard
Your Watermark - See Settings
Well 75 HP control pane
07 Feb 2022, 16:39:47 UTC

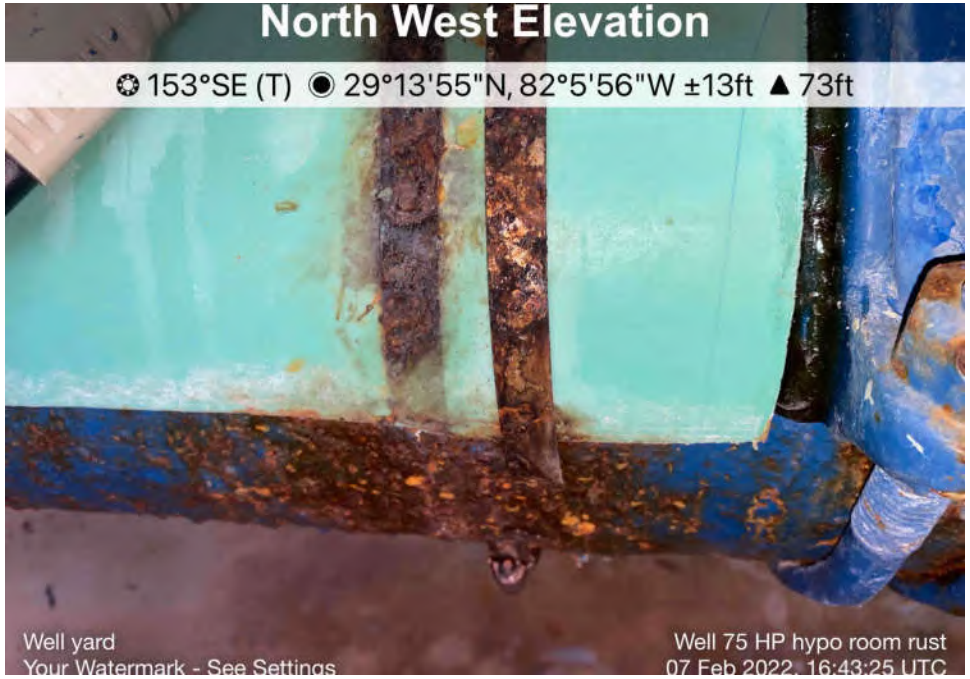

North West Elevation
151°SE (T) ◉ 29°13'55"N, 82°5'56"W ±13ft ▲ 76ft
Well yard
Your Watermark - See Settings
Well 75 HP hypo room
07 Feb 2022, 16:41:58 UTC


West Elevation
110°E (T) ◉ 29°13'55"N, 82°5'56"W ±13ft ▲ 75ft
Well yard
Your Watermark - See Settings
Well 75 HP hypo room rust
07 Feb 2022, 16:42:32 UTC


West Elevation
102°E (T) ◉ 29°13'55"N, 82°5'56"W ±13ft ▲ 74
Well yard
Your Watermark - See Settings
Well 75 HP hypo room rus
07 Feb 2022, 16:42:51 UTC


North Elevation
202°S (T) 29°13'55"N, 82°5'56"W ±13ft ▲ 74ft
Well yard
Your Watermark - See Settings
Well 75 HP hypo room gauge
07 Feb 2022, 16:43:47 UTC


North West Elevation
133°SE (T) 29°13'55"N, 82°5'57"W ±13ft ▲ 76
GALLONS
Well 75 HP hypo
room Flowmete
07 Feb 2022, 16:46:06 UTC
Well yard
Your Watermark - See Settings


North West Elevation
153°SE (T) 29°13'55"N, 82°5'56"W ±13ft ▲ 73ft
Well yard
Your Watermark - See Settings
Well 75 HP hypo room rust
07 Feb 2022, 16:43:25 UTC


North East Elevation
214°SW (T) 29°13'55"N, 82°5'56"W ±121ft ▲ 430
Well 75 HP hypo
room Flowmete
07 Feb 2022, 16:45:22 UTC
Well yard
Your Watermark - See Settings

South West Elevation

44°NE (T) ◉ 29°13'56"N, 82°5'55"W ±13ft ▲ 80



West Elevation

75°E (T) ◉ 29°13'57"N, 82°5'54"W ±26ft ▲ 78ft



North East Elevation

206°SW (T) ◉ 29°13'57"N, 82°5'54"W ±45ft ▲ 77



North Elevation

167°S (T) ◉ 29°13'58"N, 82°5'54"W ±13ft ▲ 78




North West Elevation
133°SE (T) ◉ 29°13'57"N, 82°5'54"W ±13ft ▲ 75
Well yard
Your Watermark - See Settings
07 Feb 2022, 16:50:53 UTC


West Elevation
101°E (T) ◉ 29°13'57"N, 82°5'54"W ±16ft ▲ 77
Well yard
Your Watermark - See Settings
07 Feb 2022, 16:54:58 UTC


North Elevation
166°S (T) ◉ 29°13'56"N, 82°5'55"W ±101ft ▲ 509
Well yard
Your Watermark - See Settings
07 Feb 2022, 17:00:26 UTC

WASTEWATER FACILITY REPORT

TRADEWINDS UTILITIES, INC.

LOCATION:

MARION COUNTY, FLORIDA

PREPARED FOR:

Central States Water Resources
500 Northwest Plaza Dr., Suite 500
St. Ann, MO 63074

DATE:

March 2022



PREPARED BY:

Clearpoint
CONSULTING ENGINEERS, P.A.
6652 U.S. Highway 98
Hattiesburg, MS 39402

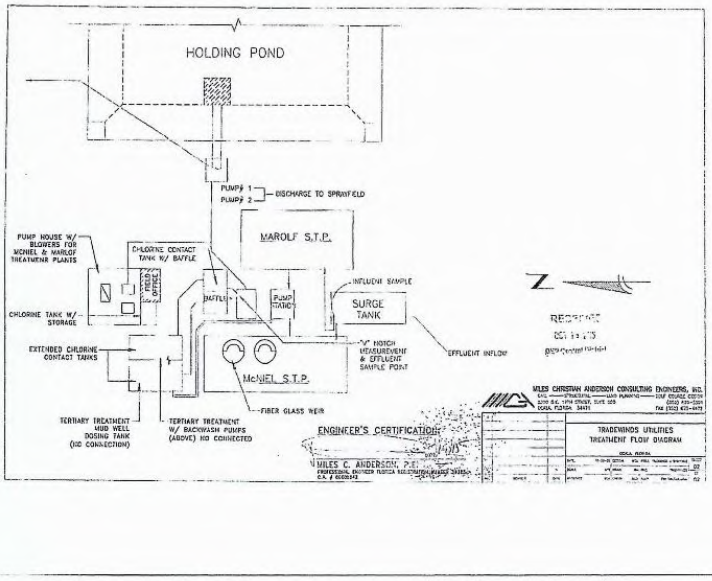
ENGINEERING MEMO
TRADEWINDS WWTF
MARION COUNTY, FL
MARCH 2022

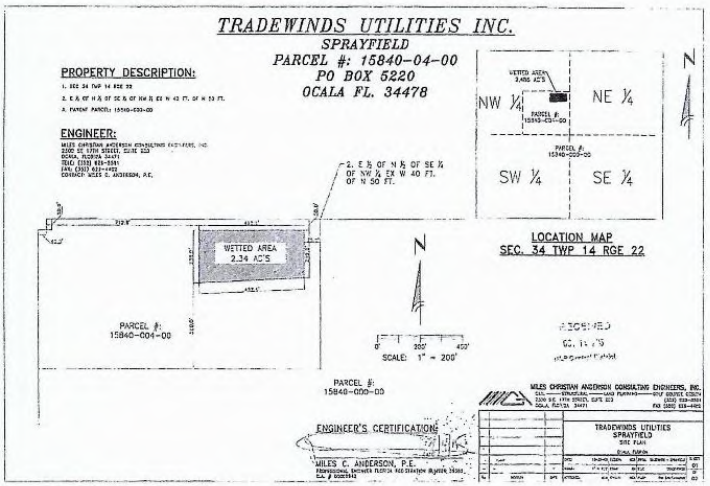
1. Introduction
    a. General System Info
        i. Subdivision(s) Served
        Tradewinds, New Countryside and Publix
        ii. Current Owner
        Charles Demenzes
        iii. Customer Count and Type
        Residential-282, Commercial-33, Industrial-0
        iv. General Geographic Location of Service Area
        Subdivisions are in Marion County around the WWTF which is located at 2925 NE 43rd Place, Ocala, Florida.
        v. Future Developments or Phases in Service Area
        There is a development in progress now that includes a 200+ residential subdivision with 20+ commercial connections.
        vi. Permitted Facility Name
        Tradewinds WWTF
        vii. Permit Type
        WAFR ID
        viii. Permit Number
        FLA010699
        ix. Permitted Flow
        0.081 MGD

2. Wastewater Treatment Facility
    a. Facility Description
        i. Facility Type
        Extended Aeration Wastewater Treatment System consisting of a McNeil style with concrete chambers and a Marolf style concrete structure. There is also Land Application consisting of a three-day clay-lined pond and a 2.34-acre spray field.
        ii. Approximate Age of Facilities
        McNeil started up in 1983 and Marolf in1989 per Owner.
        iii. Structural Condition of Tankage and Equipment
        The concrete structures appear to be structurally sound. All blowers and pumps are operable. Airlines are PVC pipe, and the support structures are mostly cinder blocks and wooden boards. The steps for the surge tank and wooden bridge to structure in pond need to be replaced. Growth in pond needs to be removed. The sprayfield needs attention. Broken risers and spray heads need to be repaired or replaced. Parts of the sprayfield need to be regraded to stop ponding around several sprinklers.

b. Treatment Process
    i. Description of Treatment Process Utilized
    The treatment process is a 0.81 million gallon per day permitted capacity extended aeration domestic wastewater treatment plant consisting of a McNeil 0.65 MGD and a Marlof 0.50 MGD plant running in parallel. The plant has flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids, followed by a Land Application R-001. The R-001 is an existing 0.81 MGD capacity slow-rate, restricted public access, reuse system that consists of a three-day clay-lined holding pond and a 2.34-acre spray field located northeast of WWTF.
    ii. Description of Process Flow
    Influent is pumped in from one of six lift stations, through a manual bar screen, and into surge tank. From the surge tank, it is equally diverted through a splitter box into the McNeil and Marlof trains. Each train has two blowers, only one operates each train, with the second as a back-up. The McNeil train has seven aeration basins, two clarifiers, and one aerobic digester. The Marlof has ten aeration basins, one clarifier, and one aerobic digester. The effluent from each plant joins into a wet well where it then goes to the chlorine contact chamber. Sodium Hypochlorite is used for disinfection. Once leaving contact chamber the effluent is either pumped on spray field or goes into holding pond.

iii. Flow Diagram





iv. Observed Effectiveness of Treatment Process at Time of Site Visit
The contents of the aeration basins in each train were brown in color and appeared to be adequately mixed. A couple of the aeration basins on the McNeil train had excessive foaming. The clarifiers on the McNeil side had solids on service and were very cloudy, indications of a filamentous

problem. The Marlof clarifier was much clearer, but the combined effluent was cloudy due to the McNeil side. The effluent pumps were working properly, but the sprayfield had broken risers, broken sprinklers, and ponding around several risers.

c. Permit Info
    i. Permit Status
    Permit expired December 21, 2020. A permit application was filed, but there are plans to decommission the wastewater treatment facility. More specifically, the county plans to install gravity and force mains with needed lift stations to collect and transmit the effluent from Tradewinds WWTF to the county Silver Springs Shores WWTF. The installation of pipes and lift stations should be completed within 400 days, starting November 1, 2020. See Attachment C for the Service Agreement between Tradewinds and Marion County.
    ii. Permitted Flow vs. Actual / Estimated Flow (Based on Operator Reports)

Flow	2019	2020
Permitted Flow	0.081	0.081
Actual Flow	0.064	0.065

    iii. Brief Compliance Review Narrative
        1. During Compliance Inspection, Department personnel noted:
            A. Failure to meet Administrative Order AO-SS-16-016 reporting requirements for Total Nitrogen
            B. Failure to meet secondary requirements for Total Suspended Solids (TSS)
            C. Failure to submit quarterly groundwater monitoring reports
            D. Failure to Maintain Spray field
    iv. Copy of Effluent Limits Table from Permit
    Effluent limits can be visualized in wastewater permit in Attachment A.

d. Recommended Repairs and Improvements Summary
    i. Triage Repairs
        1. Replace belts on blowers.



2. Replace stairs to headworks and walkway to structure in holding pond.



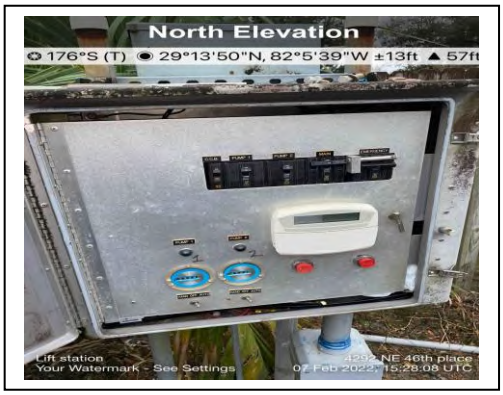
3. Remove excessive growth from holding pond.
4. Install SCADA for monitor/control of wwtf.
5. Install spill containment system at hypochlorination tank.

ii. Improvements and Other Repairs
1. Replace support structures for piping.
2. Install dissolved oxygen (DO) monitoring equipment.

3. Wastewater Collection System
a. Collection System Description
i. Clearpoint survey crew is inspecting and GPS locating manholes on collection system.
ii. Lift Station Information:
1. Name: Lift Station # 1
2. Location: NE 42 PL & NE 36 Ave
3. Pump Info: 2- Zoeller 1.5 Hp 230 Volt, Single Phase Submersible Pumps
4. Emergency Parameters: No permanent generator in place but has a quick connect for generator hook-up, a bypass connection for emergency pumping and a monitor on station.
5. General Condition: Good



1. Name: Lift Station # 2
2. Location: 4292 NE 46th Place
3. Pump Info: 2 – Zoeller 1.5 Hp 230 Volt Single Phase Submersible pumps
4. Emergency Parameters: Has a bypass connection for emergency pumping and a monitor on station. No generator or quick connect with transfer switch in place.
5. General Condition: Good



1. Name: Main Station
2. Location: 2895 NE 42nd PL
3. Pump Info: 2 – 7.5 HP KCP Cutter 230 volt, 3-Phase Submersible Pumps
4. Emergency Parameters: Has a bypass connection for emergency pumping but needs a monitor on station. No generator or quick connect with transfer switch in place.
5. General Condition: Poor; Needs a new control panel and cover for valve box.



1. Name: Lift Station # 3
2. Location: NE 45th Street
3. Pump Info: 2 – Zoeller 1.5 Hp 230 Volt, Single Phase
4. Emergency Parameters: No bypass connection for emergency pumping, no monitor, and no generator or quick connect with transfer switch in place.
5. General Condition: Fair. Leak on discharge line of one pump inside wet well. Needs valve box for check valve and gate valve.



1. Name: Lift station at Publix
2. Location: 2655 NE 25th Ave
3. Pump Info: 2 – 7.5 Hp 230 Volt, 3 Phase Submersible pumps
4. Emergency Parameters: Has a bypass connection for emergency pumping. No monitor and no generator or quick connect with transfer switch in place.
5. General Condition: Good



iii. General Flow Description from Lift Stations to Treatment Facility
    1. It's currently unclear exactly how general flow from lift stations to treatment facility is achieved. Better information should be available up completion of the mapping of the sewer collection system.

b. Recommend Repairs and Improvements Summary
    i. Triage Repairs
        1. Install SCADA monitoring/control at all lift stations
        2. Install a valve box cover at Main Lift Station
    ii. Improvements and Other Repairs
        1. Install new guiderail systems at all stations except Publix
        2. Install new control panel at Main Lift Station
        3. Install new valve box and replace pump discharge piping at station at NE 45th Street (Lift Station #3)
        4. Install mobile generator quick connect with transfer switch at four (4) Stations
        5. Install an emergency bypass pumping connection at Lift Station #3

4. Capital Estimate

TRIAGE REPAIRS					
Wastewater System Improvements					
NARUC Category	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**
General Plant	Replacement of Stairs & Walkway	LS	1	$5,000.00	$ 5,000.00
General Plant	SCADA System at WWTF	LS	1	$35,000.00	$ 35,000.00
Treatment & Disposal	Replacement of Belts on Blowers	LS	1	$1,000.00	$ 1,000.00
Treatment & Disposal	Vegetation Removal from Holding Pond	LS	1	$7,500.00	$ 7,500.00
Treatment & Disposal	Spill Containment System	LS	1	$1,500.00	$ 1,500.00
Collection & Pumping System	SCADA System at Lift Stations	EA	5	$15,000.00	$ 75,000.00
Collection & Pumping System	Valve Box Cover @ Main Lift Station	LS	1	$1,500.00	$ 1,500.00
TOTAL TRIAGE REPAIRS CAPITAL ESTIMATE					**$126,500.00**

IMPROVEMENTS AND OTHER REPAIRS					
Wastewater System Improvements					
NARUC Category	**Description**	**Unit**	**Quantity**	**Unit Price**	**Total Price**
Treatment & Disposal	Pipe Supports for Piping	LS	1	$2,500.00	$ 2,500.00
Treatment & Disposal	Dissolved Oxygen Monitor	LS	1	$5,000.00	$ 5,000.00
Collection & Pumping System	New Guiderail Systems	EA	4	$15,000.00	$ 60,000.00
Collection & Pumping System	New Control Panel @ Main Lift Station	LS	1	$30,000.00	$ 30,000.00
Collection & Pumping System	New Valve Box @ Lift Station #3	EA	1	$7,500.00	$ 7,500.00
Collection & Pumping System	Mobile Generator Quick Connect with Transfer Switch	EA	4	$35,000.00	$ 140,000.00
Collection & Pumping System	Replace Pump Discharge Piping & Install of Emergency Bypass Connection @ Lift Station #3	LS	1	$30,000.00	$ 30,000.00
TOTAL IMPROVEMENTS AND OTHER REPAIRS CAPITAL ESTIMATE					**$275,000.00**

SUPPORTING DOCUMENTATION TO WASTEWATER ENGINEERING MEMO

TRADEWINDS UTILITIES, INC.

LOCATION:

MARION COUNTY, FLORIDA

PREPARED FOR:

Central States Water Resources
500 Northwest Plaza Dr., Suite 500
St. Ann, MO 63074

DATE:

March 2022



PREPARED BY:

Clearpoint
CONSULTING ENGINEERS, P.A.
6652 U.S. Highway 98
Hattiesburg, MS 39402

TABLE OF CONTENTS

ATTACHMENTS

Attachment A – Wastewater Permit Information

Attachment B – Wastewater Inspection Report - 2020

Attachment C – Compliance Historical Documentation

Attachment D – Agreements with Surrounding Utilities

Attachment E – Local Vendor Recommendations

Attachment F – Wastewater Facility Photos

ATTACHMENT A

Wastewater Permit Information

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

NOTICE OF PERMIT ISSUANCE

Charles DeMenzes, President
Tradewinds Utilities Inc
P O Box 5220
Ocala, Florida 34478
utilitiesmanagementteam@gmail.com

Marion County - DW
Tradewinds WWTF

Enclosed is Permit Number FLA010699-004 to operate a domestic wastewater facility issued under Section(s) 403.087 and 403.0885 of the Florida Statutes.

Monitoring requirements under this permit are effective on February 1, 2016. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

(a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
(b) A statement of how and when each petitioner received notice of the Department action;
(c) A statement of how each petitioner's substantial interests are affected by the Department action;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
(f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

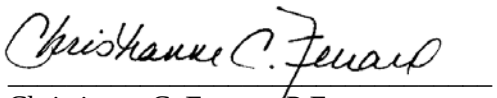
Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

This action is final on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christianne C. Ferraro, P.E.
Administrator
Permitting and Waste Cleanup Program - Wastewater
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Filed, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Stacy Gardiner — November 23, 2015

Clerk — Date

CCF/wgb/cs

Enclosures: Permit, DMR and SOB

Copies furnished to:
Miles C. Anderson, P.E. (via email: miles.anderson@mca-engineers.com)
Marion County Dept. of Health (via email: Daniel.Dooley@FlHealth.gov)
David Smicherko, DEP (via email)
Danielle Bentzen, DEP (via email)
Mary Ann Kraus, DEP (via email)
Shabbir Rizvi, DEP (via email)
Wilmott Brown, DEP (via email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before close of business on November 23, 2015 to the listed persons, by Stacy Gardiner.

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

STATE OF FLORIDA
DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
Tradewinds Utilities Inc

RESPONSIBLE OFFICIAL:
Mr. Charles Demenzes
PO Box 5220
Ocala, Florida 34478-5220
(352) 622-4949

PERMIT NUMBER: FLA010699
FILE NUMBER: FLA010699-004-DW3P
EFFECTIVE DATE: **December 22, 2015**
EXPIRATION DATE: **December 21, 2020**

FACILITY:

Tradewinds WWTF
2925 NE 43rd Pl
Ocala, FL 34479-8842
Marion County
Latitude: 29°13' 54.37" N Longitude: 82°5' 48.28" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

An existing 0.081 million gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids.

REUSE OR DISPOSAL:

Land Application R-001: An existing 0.081 MGD annual average daily flow permitted capacity slow-rate restricted public access reuse system. R-001 consists of a three-day clay-lined holding pond and a 2.34 acre sprayfield located approximately at latitude 29°13' 59" N, longitude 82°5' 45" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 16 of this permit.

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Reuse and Land Application Systems

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.7.:

			Reclaimed Water Limitations		Monitoring Requirements			
Parameter	Units	Max./Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow (Effluent)	MGD	Max Max	0.081 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	See I.A.3
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Solids, Total Suspended	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Monthly Geometric Mean Annual Average Single Sample	Monthly	Grab	EFA-1	See I.A.4
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-1	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-1	See I.A.5
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Annual Average	Annually	Grab	EFA-1	See I.A.6
Nitrogen, Total	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.A.7
Phosphorus, Total (as P)	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.A.7

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-1	Effluent flow meter and triangular weir
EFA-1	Chlorine contact chamber effluent

3. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-601.200(17) and .500(6)]*

4. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report to be used to calculate the annual average. *[62-600.440(4)(c)]*

5. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-610.410, 600.440(4)(b) and (5)(b)]*

6. Nitrate nitrogen (NO3) concentration in the water discharged to the land application system shall not exceed 12.0 mg/L or as required to comply with Rule 62-610.510, F.A.C. *[62-610.510]*

7. Monitoring for total nitrogen (TN) and total phosphorus (TP) are required, as allowed by Rule 62-601.300(6), FAC, to evaluate impacts of reclaimed water to ground and surface waters in an impaired water basin. *[62-601.300(6)]*

B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.7.:

			Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow (Total through the plant)	MGD	Max Max Max	0.081 Report Report	Annual Average Monthly Average Quarterly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	See I.B.4
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	CAL-1	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	Annually	Grab	INF-1	See I.B.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	Annually	Grab	INF-1	See I.B.3

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-1	Effluent flow meter and triangular weir
CAL-1	Calculated
INF-1	Raw influent to surge tank

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. *[62-601.500(4)]*

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-601.200(17) and .500(6)]*

5. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at http://www.dep.state.fl.us/labs/library/index.htm. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:

   a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;

   b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and

   c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

   When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

   Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. *[62-4.246, 62-160]*

6. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. *[62-601.500(5)]*

7. **Monitoring requirements under this permit are effective on February 1, 2016.** Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

REPORT Type on DMR	Monitoring Period	Mail or Electronically Submit by
Monthly	first day of month - last day of month	28th day of following month
Quarterly	January 1 - March 31 April 1 - June 30 July 1 - September 30 October 1 - December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 - June 30 July 1 - December 31	July 28 January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department's Central District Office at the address specified in Permit Condition I.B.8. by the twenty-eighth (28th) of the month following the month of operation.

When submitting electronic DMR forms (**preferred**), the permittee shall use the Department's electronic DMR system (EzDMR) and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

[62-620.610(18)][62-601.300(1),(2), and (3)]

8. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Central District Office at the address specified below:

   Florida Department of Environmental Protection
   Central District Office
   3319 Maguire Blvd
   Suite 232
   Orlando, Florida 32803-3767

   Phone Number - (407)897-4100
   FAX Number - (850)412-0467
   (All FAX copies and e-mails shall be followed by original copies.)

   [62-620.305]

9. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

A. Basic Requirements

1. Biosolids generated by this facility may be transferred to 412 Biosolids or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. *[62-620.320(6), 62-640.880(1)]*

2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. *[62-640.650(4)(a)]*

3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.B.7.

			Biosolids Limitations		Monitoring Requirements		
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-1
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-1

[62-640.650(5)(a)1]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-1	Calculated (based on volume and estimated %solids)

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. *[62-640.400(6)]*

6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. *[62-640.300(4)]*

7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. *[62-640.400(9)]*

B. Disposal

8. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. *[62-640.100(6)(b) & (c)]*

C. Transfer

9. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. *[62-640.880(1)(b)]*

10. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility
1. Date and time shipped
2. Amount of biosolids shipped
3. Degree of treatment (if applicable)
4. Name and ID Number of treatment facility
5. Signature of responsible party at source facility
6. Signature of hauler and name of hauling firm

Biosolids Treatment Facility or Treatment Facility
1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility
4. Signature of hauler
5. Signature of responsible party at treatment facility

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

D. Receipt

11. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*

III. GROUND WATER REQUIREMENTS

1. The permittee shall give at least 72-hour notice to the Department's Central District Office, prior to the installation of any monitoring wells. *[62-520.600(6)(h)]*
2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. *[62-520.600(6)(g)]*
3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Central District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. *[62-520.600(6)(j) and .900(3)]*
4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. *[62-532.500(5)]*
5. For the Part II land application system(s), all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for Land Application Site R-001 shall extend horizontally 100 feet from the application site and vertically to the base of the surficial aquifer. *[62-520.200(27)] [62-520.465]*
6. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. *[62-520.400 and 62-520.420(4)]*
7. If the concentration for any constituent listed in Permit Condition III.10. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. *[62-520.420(2)]*
8. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.9., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. *[62-520.600] [62-610.412]*
9. The following monitoring well shall be sampled for Reuse System, R-001.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		o	'	"	o	'	"			
MWC-1	Compliance Well at Holding Pond	29	13	54	82	5	48	30	Floridan	Existing

MWC = Compliance; MWP = Piezometer

[62-520.600] [62-610.412]

10. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.9.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Arsenic, Total Recoverable	10	ug/L	Grab	Quarterly
Cadmium, Total Recoverable	5	ug/L	Grab	Quarterly
Chromium, Total Recoverable	100	ug/L	Grab	Quarterly
Lead, Total Recoverable	15	ug/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	s.u.	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Nitrogen, Total	Report	mg/L	Grab	Quarterly

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.310(5)]

11. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. *[62-520.600(11)(c)] [62-610.412(2)(c)]*

12. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. *[62-160.210] [62-601.700(5)]*

13. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Central District Office as being more representative of ground water conditions. *[62-520.310(5)]*

14. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.B.7. *[62-520.600(11)(b)] [62-601.300(3), 62.601.700, and Figure 3 of 62-601] [62-620.610(18)]*

15. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Central District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Central District Office before installation. *[62-520.600(6)(l)]*

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part II Slow-Rate/Restricted Access System(s)

1. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. *[62-610.418(1)]*

2. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*

3. The maximum annual average loading rate to the sprayfield shall be limited to 8.9 inches per week. The hydraulic loading rate shall not produce surface runoff or ponding of the applied reclaimed water. *[62-610.423(3) and (4)]*

4. The crops or vegetation shall be periodically harvested and removed from the project area. *[62-610.310(3)(d) and 62-610.419(1)(b)]*

5. Dairy cattle whose milk is intended for human consumption shall not be allowed on the project area for a period of 15 days after the last application of reclaimed water. No restrictions are imposed on the grazing of other cattle. *[62-610.425]*

6. Irrigation of edible food crops is prohibited. *[62-610.426]*

7. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class C facility and, at a minimum, operators with appropriate certification must be on the site as follows:

   A Class C or higher operator 1/2 hour/day for 5 days/week and one visit each weekend. The lead/chief operator must be a Class C operator, or higher.

2. An operator meeting the lead/chief operator class for the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(1)]*

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. An updated capacity analysis report shall be submitted to the Department annually by November 1 of each year. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*

2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1)]*

C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.

   a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;

   b. Copies of all reports required by the permit for at least three years from the date the report was prepared;

   c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;

   d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;

   e. A copy of the current permit;

   f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;

   g. A copy of any required record drawings;

   h. Copies of the licenses of the current certified operators;

   i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and

   j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

   [62-620.350, 62-602.650, 62-640.650(4)]

VI. SCHEDULES

1. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:

   a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or

b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1) - (4)]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. This facility is not required to have a pretreatment program at this time. *[62-625.500]*

VIII. OTHER SPECIFIC CONDITIONS

1. The permittee shall comply with all conditions and requirements for reuse contained in their consumptive use permit issued by the Water Management District, if such requirements are consistent with Department rules. *[62-610.800(10)]*

2. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. *[62-600.410(8) and 62-640.400(6)]*

3. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*

4. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*

5. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):

   a. Which may cause fire or explosion hazards; or

   b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or

   c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or

   d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding $40^{o}C$ or otherwise inhibiting treatment; or

   e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.

   [62-604.130(5)]

6. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-610.418(1) and 62-600.400(2)(b)]*

7. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-701.300(1)(a)]*

8. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*

9. The permittee shall provide verbal notice to the Department's Central District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Central District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*

10. The permittee shall provide notice to the Department of the following:

    a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C., if it were directly discharging those pollutants; and

    b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

    Notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

    [62-620.625(2)]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*

3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*

5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*

6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*

7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*

8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*

9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:

    a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;

    b. Have access to and copy any records that shall be kept under the conditions of this permit;

    c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and

    d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

    [62-620.610(9)]

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*

11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*

12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*

13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*

14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*

15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*

16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*

17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:

    a. A description of the anticipated noncompliance;

    b. The period of the anticipated noncompliance, including dates and times; and

    c. Steps being taken to prevent future occurrence of the noncompliance.

    [62-620.610(17)]

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.

    a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.

    b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

    c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.

    d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

    e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.

    f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

    [62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*

20. The permittee shall report to the Department's Central District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

a. The following shall be included as information which must be reported within 24 hours under this condition:
   (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
   (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
   (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
   (4) Any unauthorized discharge to surface or ground waters.

b. Oral reports as required by this subsection shall be provided as follows:
   (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WATCH OFFICE TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:
      (a) Name, address, and telephone number of person reporting;
      (b) Name, address, and telephone number of permittee or responsible person for the discharge;
      (c) Date and time of the discharge and status of discharge (ongoing or ceased);
      (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
      (e) Estimated amount of the discharge;
      (f) Location or address of the discharge;
      (g) Source and cause of the discharge;
      (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
      (i) Description of area affected by the discharge, including name of water body affected, if any; and
      (j) Other persons or agencies contacted.
   (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Central District Office within 24 hours from the time the permittee becomes aware of the circumstances.

c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Central District Office shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. *[62-620.610(21)]*

22. Bypass Provisions.

a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.

b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
   (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
   (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
   (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.

c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.

d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.

e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.

a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
   (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
   (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.

b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
   (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
   (2) The permitted facility was at the time being properly operated;
   (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
   (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.

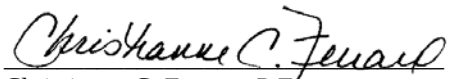
c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.

d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christianne C. Ferraro, P.E.
Administrator
Permitting and Waste Cleanup Program - Wastewater

Permit Issuance Date: November 23, 2015

Attachment(s):
Discharge Monitoring Report

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME:	Tradewinds Utilities Inc	PERMIT NUMBER:	FLA010699-004-DW3P	**DMR Effective Date:**	February 1, 2016
MAILING ADDRESS:	PO Box 5220			**Expiration Date:**	December 21, 2020
	Ocala, Florida 34478-5220	LIMIT:	Final	REPORT FREQUENCY:	Monthly
		CLASS SIZE:	N/A	PROGRAM:	Domestic
FACILITY:	Tradewinds WWTF	MONITORING GROUP NUMBER:	R-001		
LOCATION:	2925 NE 43rd Pl	MONITORING GROUP DESCRIPTION:	Sprayfield, including Influent		
	Ocala, FL 34479-8842	RE-SUBMITTED DMR: ☐			
		NO DISCHARGE FROM SITE: ☐			
COUNTY:	Marion	MONITORING PERIOD From:	_____ To: _____		
OFFICE:	Central District				

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (Effluent)	Sample Measurement										
PARM Code 50050 Y Mon. Site No. FLW-1	Permit Requirement		0.081 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (Effluent)	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-1	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon. Site No. EFA-1	Permit Requirement					20.0 (An.Avg.)		mg/L		Monthly	Grab
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 A Mon. Site No. EFA-1	Permit Requirement				60.0 (Max.)	45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Monthly	Grab
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 Y Mon. Site No. EFA-1	Permit Requirement					20.0 (An.Avg.)		mg/L		Monthly	Grab
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 A Mon. Site No. EFA-1	Permit Requirement				60.0 (Max.)	45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Monthly	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Tradewinds WWTF MONITORING GROUP NUMBER: R-001 PERMIT NUMBER: FLA010699-004-DW3P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement										
PARM Code 74055 Y Mon. Site No. EFA-1	Permit Requirement					200 (An.Avg.)		#/100mL		Monthly	Grab
Coliform, Fecal	Sample Measurement										
PARM Code 74055 A Mon. Site No. EFA-1	Permit Requirement					200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL		Monthly	Grab
pH	Sample Measurement										
PARM Code 00400 A Mon. Site No. EFA-1	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement										
PARM Code 50060 A Mon. Site No. EFA-1	Permit Requirement				0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total	Sample Measurement										
PARM Code 00600 Y Mon. Site No. EFA-1	Permit Requirement					Report (An.Avg.)		mg/L		Monthly	Grab
Nitrogen, Total	Sample Measurement										
PARM Code 00600 A Mon. Site No. EFA-1	Permit Requirement						Report (Mo.Avg.)	mg/L		Monthly	Grab
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 Y Mon. Site No. EFA-1	Permit Requirement					Report (An.Avg.)		mg/L		Monthly	Grab
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 A Mon. Site No. EFA-1	Permit Requirement						Report (Mo.Avg.)	mg/L		Monthly	Grab
Flow (Total through the plant)	Sample Measurement										
PARM Code 50050 P Mon. Site No. FLW-1	Permit Requirement		0.081 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (Total through the plant)	Sample Measurement										
PARM Code 50050 Q Mon. Site No. FLW-1	Permit Requirement	Report (Qt.Avg.)	Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Tradewinds WWTF

MONITORING GROUP NUMBER: R-001

PERMIT NUMBER: FLA010699-004-DW3P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Percent Capacity, (TMADF/ Permitted Capacity) x 100	Sample Measurement										
PARM Code 00180 P Mon. Site No. CAL-1	Permit Requirement						Report (Mo.Avg.)	percent		Monthly	Calculated

ISSUANCE/REISSUANCE DATE:
DMR EFFECTIVE DATE: February 1, 2016 - Permit expiration

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME: Tradewinds Utilities Inc
MAILING ADDRESS: PO Box 5220
Ocala, Florida 34478-5220

FACILITY: Tradewinds WWTF
LOCATION: 2925 NE 43rd Pl
Ocala, FL 34479-8842

COUNTY: Marion
OFFICE: Central District

PERMIT NUMBER: FLA010699-004-DW3P

LIMIT: Final
CLASS SIZE: N/A
MONITORING GROUP NUMBER: R-001
MONITORING GROUP DESCRIPTION: Sprayfield, including Influent
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Nitrate, Total (as N)	Sample Measurement										
PARM Code 00620 Y Mon. Site No. EFA-1	Permit Requirement					12.0 (An.Avg.)		mg/L		Annually	Grab
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement										
PARM Code 80082 G Mon. Site No. INF-1	Permit Requirement						Report (Max.)	mg/L		Annually	Grab
Solids, Total Suspended (Influent)	Sample Measurement										
PARM Code 00530 G Mon. Site No. INF-1	Permit Requirement						Report (Max.)	mg/L		Annually	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME: Tradewinds Utilities Inc
MAILING ADDRESS: PO Box 5220
Ocala, Florida 34478-5220

FACILITY: Tradewinds WWTF
LOCATION: 2925 NE 43rd Pl
Ocala, FL 34479-8842

COUNTY: Marion
OFFICE: Central District

PERMIT NUMBER: FLA010699-004-DW3P

LIMIT: Final
CLASS SIZE: N/A
MONITORING GROUP NUMBER: RMP-Q
MONITORING GROUP DESCRIPTION: Biosolids Quantity
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Transferred)	Sample Measurement										
PARM Code B0007 + Mon. Site No. RMP-1	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	Calculated
Biosolids Quantity (Landfilled)	Sample Measurement										
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DAILY SAMPLE RESULTS - PART B

Permit Number: FLA010699-004-DW3P Facility: Tradewinds WWTF
Monitoring Period From: _____ To: _____

	BOD, Carbonaceous 5 day, 20C mg/L	Chlorine, Total Residual (For Disinfection) mg/L	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH s.u.	Flow (Total through the plant) MGD	
Code	80082	50060	74055	00600	00665	00530	00400	50050	
Mon. Site	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	FLW-1	
1									
2									
3									
4									
5									
6									
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24									
25									
26									
27									
28									
29									
30									
31									
Total									
Mo. Avg.									

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Tradewinds WWTF
Permit Number: FLA010699-004-DW3P
County: Marion

Monitoring Well ID: MWC-1
Well Type: Compliance
Description: Compliance well @ holding/polishing pond site

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In Situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	mg/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	mg/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		10	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	ug/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	ug/L	Grab	Quarterly				
Coliform, Fecal	74055		4	#/100mL	Grab	Quarterly				
pH	00400		6.5-8.5	s.u.	Grab	Quarterly				
Turbidity	00070		Report	NTU	Grab	Quarterly				
Nitrogen, Total	00600		Report	mg/L	Grab	Quarterly				

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

Resubmitted DMR: Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)
No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.
Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.
No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.
Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.
Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.
Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.
Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.
Time Sample Obtained: Enter the time the sample was taken.
Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.
Detection Limits: Record the detection limits of the analytical methods used.
Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.
Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)
Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).
Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).
Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.
Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.
No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.
$CBOD_5$: Enter the average $CBOD_5$ of the reclaimed water discharged during the period shown in duration of discharge.
TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.
Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.
Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.
No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.
Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

STATEMENT OF BASIS
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMIT NUMBER: FLA010699-004

FACILITY NAME: Tradewinds WWTF

FACILITY LOCATION: 2925 NE 43rd Pl, Ocala, FL 34479-8842
Marion County

NAME OF PERMITTEE: Tradewinds Utilities Inc

PERMIT WRITER: Wilmott Brown, P.E.

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FLA010699-004-DW3P

Application Submittal Date: September 15, 2015

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: Private

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	0.081 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	0.081 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 0.081 million gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids.

e. Description of Effluent Disposal and Land Application Sites

Land Application R-001: An existing 0.081 MGD annual average daily flow permitted capacity slow-rate restricted public access reuse system. R-001 consists of a three-day lined holding pond and a 2.34 acre sprayfield located approximately at latitude 29°13' 59" N, longitude 82°5' 45" W.

2. SUMMARY OF SURFACE WATER DISCHARGE

This facility does not discharge to surface waters.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate/restricted public access system, based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow (Effluent)	MGD	Max	0.081	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.410 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	62-610.410(2)(a) FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
		Max	200	Annual Average	62-610.410 & 62-600.440(4)(c)1. FAC
		Max	800	Single Sample	62-600.440(4)(c)4. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	62-610.410 & 62-600.440(4)(b) FAC
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Annual Average	62-610.510,F.A.C. Annual frequency: 62-601.300(6) FAC
Nitrogen, Total	mg/L	Max	Report	Annual Average	62-601.300(6) FAC
		Max	Report	Monthly Average	62-601.300(6) FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	62-601.300(6) FAC
		Max	Report	Monthly Average	62-601.300(6) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow (Total through the plant)	MGD	Max	0.081	Annual Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC
		Max	Report	Quarterly Average	62-600.400(3)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC Annual frequency: 62-601.300(6) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC Annual frequency: 62-601.300(6) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility will expire on December 21, 2015. This permit, FLA010699-004-DW3P, will become effective on December 22, 2015 and expire on December 21, 2020.

Monitoring for total nitrogen (TN) and total phosphorus (TP) are required, as allowed by Rule 62-601.300(6), FAC, to evaluate impacts of reclaimed water to ground and surface waters in an impaired water basin. *[62-601.300(6)]*

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be transferred to 412 Biosolids or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency		All Parameters			62-640.650(5)(a) FAC

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 601, 610, and 620, F.A.C., because of the impaired integrity of the clay-lined holding pond associated with the sprayfield.

7. PERMIT SCHEDULES

A schedule is not included in the wastewater permit.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

At this time, the facility is not required to develop an approved industrial pretreatment program. However, the Department reserves the right to require an approved program if future conditions warrant.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO and the permittee has not entered into a CO with the Department.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. TERM OF THE PERMIT

This is a five year permit.

12. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 14. Copies will be provided at a minimal charge per page.

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Effective date of Permit December 22, 2015

Notice of Permit Issuance November 20, 2015

14. DEPARTMENT CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Wilmott Brown
Professional Engineer I

3319 Maguire Blvd
Suite 232
Orlando, FL 32803-3767

Telephone No.: (407) 897-4100

ATTACHMENT B

Wastewater Inspection Report - 2020

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

August 3, 2020

Charles DeMenzes, President
Tradewinds Utilities Inc.
2925 NE 43rd Pl
Ocala, Florida 34478
utilitiesmanagementteam@gmail.com

Re: Warning Letter
Tradewinds WWTF
DW FLA010699
Marion County

Dear Mr. Demenzes:

A Compliance Evaluation Inspection (CEI) was conducted at your facility on July 14, 2020. During this inspection, possible violations of Chapter 403, F.S., Chapter 62-610, Florida Administrative Code (F.A.C.), and Chapter 62-620, F.A.C. were observed.

During the inspection Department personnel noted the following:

- Failure to meet Administrative Order AO-SS-16-016 reporting requirements
- Failure to meet secondary treatment requirements for Total Suspended Solids (TSS)
- Failure to submit quarterly groundwater monitoring reports
- Failure to maintain the clay lined holding pond
- Failure to maintain the spray field

Please contact Carolyn Hall, at (407) 897-4114, within **7 days** of receipt of this Warning Letter to arrange a meeting to discuss this matter. The Department is interested in receiving any facts you may have that will assist in determining whether any violations have occurred. You may bring anyone with you to the meeting that you feel could help resolve this matter.

Please be advised that this Warning Letter is part of an agency investigation, preliminary to agency action in accordance with Section 120.57(5), Florida Statutes. We look forward to your cooperation in completing the investigation and resolving this matter.

Sincerely,

On behalf of:

Aaron Watkins, Director
Central District
Florida Department of Environmental Protection

AW/nh/ds/ch

Enclosures: Inspection Report (with attachments)

cc: Steve McGee smcgee1953@yahoo.com

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTEWATER COMPLIANCE INSPECTION REPORT

Facility Name and Physical Address	WAFR ID	County	Entry Date	Entry Time
Tradewinds WWTF 2925 NE 43rd Pl Ocala, FL 34479	FLA010699 **Facility Phone #** N/A	Marion	7/14/2020 **Exit Date** 7/14/2020	9:38 am **Exit Time** 10:21 am

LAT	29	°	13	'	53.37	"
LONG	82	°	5	'	48.28	"

Name(s) of Field Representatives(s) and Title	Operator Certification #	Email	Phone
Steve McGee	C-0008154	smcgee1953@yahoo.com	(352)598-2121

Name & Address of Permittee / Designated Rep.	Title	Email	Phone
Charles DeMenzes PO Box 5220 Ocala, FL 34478	President	utilitiesmanagementteam@gmail.com	(352) 622-4949

Inspection Type	C	E	I		Samples Taken(Y/N): N	Sample ID#: N/A	Samples Split (Y/N) : N

X **Domestic** ☐ **Industrial**

FACILITY COMPLIANCE AREAS EVALUATED

IC = In Compliance; MC = Minor Out of Compliance; NC = Out of Compliance; SC = Significant out of Compliance; NA = Not Applicable; NE = Not Evaluated
Significant Non-Compliance Criteria Should be Reviewed when Out of Compliance Ratings Are Given in Areas Marked by a "♦ "

	PERMITS/ORDERS		SELF MONITORING PROGRAM		FACILITY OPERATIONS		EFFLUENT/DISPOSAL
IC	1. ♦ Permit	IC	3. Laboratory	IC	6. Facility Site Review	SC	9. ♦ Effluent Quality
NA	2. ♦ Compliance Schedules	IC	4. Sampling	IC	7. Flow Measurement	NC	10. ♦ Effluent Disposal
		NC	5. ♦ Records & Reports	IC	8.♦ Operation & Maintenance	IC	11. Biosolids
						NC	12. ♦ Groundwater
NA	14. Other					IC	13. ♦ SSO Survey

Facility and/or Order Compliance Status:	☐ In-Compliance	☐ Out-Of -Compliance	X Significant-Out-Of-Compliance

Recommended Actions: **Warning Letter**

Name(s) and Signature(s) of Inspector(s)	District Office/Phone Number	Date
Carolyn Hall	Central District (407) 897-4114	7/15/2020

Name and Signature of Reviewer	District Office/Phone Number	Date
David Smicherko	Central District (407) 897-4169	8/3/2020

Single Event Violations (*SNC SEVs)				
Check for Yes	**Evaluation Area**	**Description**	**Finding Description**	**Finding ID**
☐	Permit	Effluent Violations - Unapproved Bypass	Wastewater was diverted from a portion of the treatment process without department approval.	**UNBY**
☐	*Permit	Permit Violations - Discharge Without a Valid Permit	The facility was operating without a permit or with an expired permit.	**UPHI**
☐	Permit	Permit Violations - Failure to Submit Timely Permit Renewal Application	The permittee failed to submit an application to renew the existing permit at least 180 days prior to expiration.	**PFSA**
☐	Laboratory	Management Practice Violations - Laboratory Not Certified	The laboratory was not certified by the Florida Department of Health and therefore is not certified to meet NELAC standards.	**LNCE**
☐	Sampling	Monitoring Violations - Analysis not Conducted	The facility failed to collect and/or analyze samples as required by permit or enforcement action.	**ANCV**
☐	Sampling	Monitoring Violations - Failure to Monitor for Toxicity Requirements	The facility failed to collect and/or analyze routine or follow-up toxicity samples.	**FTOX**
☐	Records and Reports	Management Practice Violations - Failure to Develop Adequate SPCC Plan	The facility failed to develop or maintain their Spill Prevention Control and Countermeasures (SPCC) plan.	**FSPC**
☐	Records and Reports	Management Practice Violations - Failure to Maintain Records	The facility failed to maintain records for the required retention period.	**FMRR**
☐	Records and Reports	Reporting Violations - Failure to Notify	The permittee failed to notify the department of any event or activity that requires notification as required by permit or rule.	**RSWP**
☐	Records and Reports	Reporting Violations - Failure to Submit DMRs	The permittee failed to submit any DMR required by rule, permit, or enforcement action in a timely manner.	**FDMR**
☐	Records and Reports	Reporting Violations - Failure to submit required report (non-DMR, non-pretreatment)	The facility failed to submit any report required by rule, permit, enforcement action or inspection activity except for DMRs.	**FRPT**
☐	Facility Site Review	Management Practice Violations - Improper Land Application (non-503, non-CAFO)	The land application system was not being maintained.	**LASN**
☐	Flow Measurement	Monitoring Violations - No Flow Measurement Device	The facility failed to install a flow measurement device, an approved flow measurement device, or a working flow measurement device.	**NOFL**
☐	Operation and Maintenance	Management Practice Violations - Improper Operation and Maintenance	The facility failed to follow their operation and maintenance plan/manual or their Biosolids Nutrient Management Plan.	**IONM**
☐	Operation and Maintenance	Management Practice Violations - Inflow/Infiltration (I/I)	The facility had an inflow and infiltration problem causing collection system issues and/or operational issues.	**ININ**
☐	Operation and Maintenance	Management Practice Violations - No Licensed/Certified Operator	The facility was being operated without a certified operator or by an operator that is not licensed for the size of plant.	**ONCO**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent acute toxicity has been documented through follow-up tests.	**EATX**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent chronic toxicity has been documented through follow-up tests.	**ECTX**
☐	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent acute or chronic toxicity has been documented in the effluent through the use of routine and follow-up tests.	**ETOX**
☐	Effluent Quality	Effluent Violations - Narrative Effluent Violation	The facility violated a permit or enforcement narrative effluent limit.	**XNEV**
☐	*Effluent Quality	Effluent Violations - Reported Fish Kill	The facility had a discharge of wastewater that resulted in a fish kill.	**XFSH**
☐	Sanitary Sewer Overflow Survey	WW SSO - Discharge to Waters	A sewage spill from any components of a collection/transmission system or from a treatment plant reached surface waters including stormwater conveyance system or drainage ditch.	**SSO1**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to Maintain Records or Meet Record Keeping Requirements	The facility failed to keep routine documentation and reporting records of spills, and/or operation and maintenance activities on the collection/transmission system.	**SSO2**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to monitor	The facility failed to collect and/or analyze bacteriological samples for sewage spills that reached surface waters.	**SSO3**
☐	Sanitary Sewer Overflow Survey	WW SSO - Failure to report violation that may endanger public health 122.41(l)(7)	The facility failed to report a sewage spill within 24 hours of discovery.	**SSO4**
☐	Sanitary Sewer Overflow Survey	WW SSO - Improper Operation and Maintenance	The facility failed to perform routine preventative maintenance to keep the collection/transmission system in good working order.	**SSO5**
☐	Sanitary Sewer Overflow Survey	WW SSO - Overflow to Dry Land	A sewage spill from any part of a collection/transmission system or treatment plant that did not make it to surface waters, i.e., stormwater collection system, drainage ditch, stream, pond, or lake.	**SSO6**

Facility Treatment Summary:

An existing 0.081 million gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids.

Land Application R-001: An existing 0.081 MGD annual average daily flow permitted capacity slow-rate restricted public access reuse system. R-001 consists of a three-day clay-lined holding pond and a 2.34 acre sprayfield located approximately at latitude 29°13' 59" N, longitude 82°5' 45" W.

1. ♦Permit: In-Compliance

Current Permit available on-site?	Yes
Date Permit issued	December 22, 2015
Date Permit Expires	December 21, 2020
Permit Renewal Application due by	June 24, 2020
Administrative or Judicial Orders?	Administrative Order

1.1 Observation: The facility is currently under Administrative Order AO-SS-16-016**.** Please see deficiency 5.1 and observations about the AO.

1.2 Observation: At the time of inspection the permit renewal is in house.

1.3 Observation: At the time of inspection a copy of the current permit was available on site.

2. ♦Compliance Schedules: Not Applicable

Compliance Schedule in Permit met?	Not Applicable
Compliance Schedules in Order are being met?	Not Applicable

2.1 Observation: At the time of inspection there are no compliance schedules listed in permit or the administrative order.

3. Laboratory: In-Compliance

Contract Lab Name and Certification #	Aqua Pure Water & Sewer Service E83265
Facility NELAC Certification #	Not Applicable

3.1 Observation: At the time of inspection a copy of the current lab certification was on site and valid until June 30, 2021.

4. Sampling: In-Compliance

Sampling conducted during inspection?	No
Sampling observed during inspection?	No
Sampling conducted at locations identified by the permit?	Yes
Safe access to sampling locations?	Yes

4.1 Observation: At the time of inspection the operator is able to identify the correct sampling locations for EFA-1 as the chlorine contact chamber.

5. ♦Records and Reports: Out-of-Compliance

Documents/Records reviewed	Time frame
Discharge Monitoring Reports (DMRs)	From 06/01/2019 to 06/30/2020

5.1 Deficiency: The biannual Total Nitrogen status reports have not been submitted for January 1, 2020 and July 1, 2020 in accordance with the Administrative Order AO-SS-16-016.

Rule/Permit Reference**:** 403.161(1)(b), F.S. It shall be a violation of this chapter, and it shall be prohibited for any person: (b) To fail to obtain any permit required by this chapter or by rule or regulation, or to violate or fail to comply with any rule, regulation, order, permit, or certification adopted or issued by the department pursuant to its lawful authority. Administrative Order AO-SS-16-016 (1): An Administrative Order (AO) is attached to this permit revision and is incorporated into the permit for this wastewater treatment facility. The AO requires that Total Nitrogen in the reclaimed water from the wastewater facility referenced above be monitored, reported and subsequently reduced to 6.0 mg/L by October 26, 2020 since this facility is located within the Primary Protection Zone. The attached AO also requires biannual status reports discussing the facility's ability and/or plans to meet this new reclaimed water limit. The reports will be due January 1 and July 1 beginning in 2017. Your current operating permit expires December 21, 2020.

Corrective Action: Please submit the status reports on how the facility will comply with the Total Nitrogen limit set forth in AO-SS-16-016.

5.2 Observation: Historical department records indicate groundwater sampling was added to this facility because the clay lined holding pond may be percolating.

5.3 Observation: At the time of inspection the RPZ was last calibrated on September 16, 2019 and is not due yet.

5.4 Observation: At the time of inspection the operation and maintenance manual were available on site.

5.5 Observation: At the time of inspection the operator's certification for Steve McGee (C-0008154) was on site.

5.6 Observation: At the time of inspection the log book was on site. It was bound and numbered. It contained relevant sampling and maintenance.

5.7 Observation: At the time of inspection the operator is meeting and exceeding on site time requirements at 6 days a week for a half hour each day.

6. Facility Site Review: In-Compliance

6.1 Observation: *Access Control*- At the time of inspection the facility grounds for the plant were properly locked and secured by a fence. An advisory sign was posted at the gate entrance. There were no excessive odors. No spills or leaks, excessive noise, or corrosion were noted at time of inspection. An RPZ backflow was present with no visible leaks.

6.2 Observation: *Headworks*- Influent is pumped in from one of the six lift station, through a bar screen and into a surge tank. From the surge tank water is diverted through a splitter box into one of two trains (McNeil and Marlof). The bar screen is manual and cleaned at each site visit. Debris are disposed of in a covered screenings container. There are minimal odors at the time of inspection, but within the boundary of the facility.

6.3 Observation: *Aeration Basin/Blower*- The facility contains two (2) blowers, one per train. At the time of inspection both blowers were operational. Each blower was covered. The RAS was in the correct position. The McNeil side of the plant contains two aeration basins. The contents in the aeration chambers were brown in color and appeared to be adequately mixed with no excessive foaming. No excessive noise or odor was noted. The Marolf side of the plant contains a total of 10 aeration basins. The contents were brown in color and appeared to be adequately mixed. There was no excessive foaming or excessive odors.

6.4 Observation: *Clarifier*- The McNeil plant contains two clarifiers. At the time of inspection, the surface of the clarifier was very turbid. The stilling well had minor debris. The skimmer was operational in each clarifier. The weirs appeared level with no fouling and to be functioning properly. Effluent from each clarifier was turbid. There are chlorine tablets in each weir, leaving the weirs clean and free of algae at the time of inspection. The Marolf plant contains one clarifier. Effluent in this plant was also turbid. The stilling well had minor debris and the skimmer was operational. Effluent leaving the weir was slightly turbid. The weir was level and without fouling.

6.5 Observation: *Disinfection*- The effluent from each plant joins into a wet well where it then goes to the chlorine contact chamber. Sodium hypochlorite was used for disinfection on site. There was one Chem Tech 100, 30 gpd hypo pump and it was operational. There is one baffle present. The chlorine contact chamber contained cloudy effluent and did not appear to have solids during inspection. Effluent is then pumped put into the spray field by two pumps.

6.6 *Observation: Digester/ Sludge Holding Tank*- The facility contains one sludge holding basin per train. At the time of inspection there was sufficient storage available in each, no excessive odors or vectors were noticed.

6.7 *Observation: Lift Station*- The facility contains six operational lift stations throughout the community that were not evaluated at the time of inspection.

7. Flow Measurement: In-Compliance

Flow meter present and location as per permit?	Yes
Easy access to flow meter?	Yes
Date of last flow meter calibration	See Observation

7.1 Observation: At the time of inspection a copy of the current flow calibration was not directly on site. It was located in the office for the permit renewal process. Department records show the flow calibration was completed on May 20, 2020 by Florida Rural Water Association.

7.2 Observation: At the time of inspection, a review of the logbook indicates the facility has a few days of exceeded flow. The operator notes Florida Rural Water association has been brought in to address this issue. Their current percent capacity is running around 90% and should be monitored.

8. ♦Operation and Maintenance: In-Compliance

Facility being operated as per permit?	Yes

8.1 Observation: At the time of inspection the facility appears to be operating per the permit conditions.

9. ♦Effluent Quality: Significant-Out-Of-Compliance

DMRs review period	From 06/01/2019 to 06/30/2020
Any exceedances?	Yes

9.1 Deficiency: The following exceedances were noted during the DMR review period of June 1, 2019 to June 30, 2020.

Month	Monitoring Location	Parameter	Result	Limit
05/2020	EFA-1	BOD Monthly Avg	60 mg/L	30 mg/L
05/2020	EFA-1	BOD Weekly Avg	60 mg/L	45mg/L
05/2020	EFA-1	TSS Annual Avg	23.4 mg/L	20 mg/L
04/2020	EFA-1	TSS Annual Avg	23.7 mg/L	20 mg/L
03/2020	EFA-1	TSS Annual Avg	28.1 mg/L	20 mg/L

03/2020	EFA-1	TSS max	85 mg/L	60 mg/L
03/2020	EFA-1	TSS Weekly Avg	85 mg/L	45 mg/L
03/2020	EFA-1	TSS monthly Avg	85 mg/L	30 mg/L
02/2020	EFA-1	TSS Annual Avg	22 mg/L	20 mg/L
02/2020	EFA-1	TSS Monthly Avg	35 mg/L	30 mg/L
01/2020	EFA-1	TSS Monthly Avg	42 mg/L	30 mg/L
07/2019	EFA-1	TSS Annual Avg	21.8 mg/L	20 mg/L
07/2019	EFA-1	TSS Monthly Avg	48 mg/L	30 mg/L
07/2019	EFA-1	TSS Weekly Avg	48 mg/L	45 mg/L

Rule/Permit Reference: Chapter 62-610.420(b), F.A.C. Except as specifically required by other Department rules or Florida Statutes, all domestic wastewater facilities shall provide, at a minimum, secondary treatment of wastewater prior to reuse or disposal. Secondary treatment requirements are specified below:

(b) Total Suspended Solids

1. The annual average shall not exceed 20.0 mg/L,

2. The monthly average shall not exceed 30.0 mg/L,

3. The weekly average shall not exceed 45.0 mg/L; and,

4. The maximum-permissible concentration in any single sample shall not exceed 60.0 mg/L.

Corrective Action: The exceedances were reported on the DMR and marked as an exceedance. No further action is required at this time.

9.2 Observation: The following Total Nitrogen limits were observed through the DMR review period of June 1, 2019 through June 30, 2020. These levels are trending upwards and will not meet the new requirements of the AO-SS-16-016 effective October 27, 2020.

Month	Monitoring Location	Parameter	Result	New AO Limit Effective 10/27/2020
05/2020	EFA-1	Nitrogen, Total Annual Avg	30.7 mg/L	6 mg/L
04/2020	EFA-1	Nitrogen, Total Annual Avg	30.2 mg/L	6 mg/L
03/2020	EFA-1	Nitrogen, Total Annual Avg	29.2 mg/L	6 mg/L

02/2020	EFA-1	Nitrogen, Total Annual Avg	26.3 mg/L	6 mg/L
01/2020	EFA-1	Nitrogen, Total Annual Avg	22.2 mg/L	6 mg/L
12//2019	EFA-1	Nitrogen, Total Annual Avg	21.29 mg/L	6 mg/L
11/2019	EFA-1	Nitrogen, Total Annual Avg	19.95 mg/L	6 mg/L
10/2019	EFA-1	Nitrogen, Total Annual Avg	18.13 mg/L	6 mg/L
09/2019	EFA-1	Nitrogen, Total Annual Avg	17.91 mg/L	6 mg/L
08/2019	EFA-1	Nitrogen, Total Annual Avg	17.45 mg/L	6 mg/L
07/2019	EFA-1	Nitrogen, Total Annual Avg	24 mg/L	6 mg/L
06/2019	EFA-1	Nitrogen, Total Annual Avg	15.14 mg/L	6 mg/L

10. ♦**Effluent Disposal:** Out-of-Compliance

Facility discharging?	Yes
Discharge location(s) as per permit?	Yes

10.1 Deficiency: At the time of inspection the clay lined holding pond had excessive vegetation, reducing the storage capacity.

Rule/Permit Reference: Chapter 62-610.523, F.A.C.: (6) Rapid infiltration basins, percolation ponds, basins, trenches, or cells shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids

Corrective Action: Please remove the excessive vegetation and provide photos to the department by email.

10.2 Deficiency: At the time of inspection the spray field was missing several spray heads.

Rule/Permit Reference: Ch. 62-620.610(7) F.A.C. - All facilities and equipment necessary for the treatment, reuse, and disposal of domestic wastewater and biosolids shall be maintained, at a minimum, so as to function as intended. The permittee shall at all times properly operate and maintain the facility and systems of treatment and

control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit.

Corrective Action: Please repair the missing spray heads and provide photos to the department by email.

10.3 Observation: At the time of inspection the holding pond had dense aquatic vegetation in the center of the pond. Minimal water was noted in the pond.

10.4 Observation: At the time of inspection the spray field was recently on so only the perimeter was walked. It was noted at least 5 spray heads were missing and the valves to these spray head were turned off.

10.5 Observation: At the time of inspection the spray field appeared to have mostly even vegetative growth, but it was recently mowed. No ponding was observed.

11. Biosolids: In-Compliance

11.1 Observation: At the time of inspection there are copies of older hauling records (2017) on site from American Pipe and tank. The operator notes the new ones are in the office.

12. ♦Groundwater Quality: Out-of-Compliance

DMRs review period	From 06/01/2019-06/30/2020
Any exceedances?	See Observation
All monitoring wells accessible, secured & locked?	See Observation

12.1 Deficiency: The required MWC-1 ground water monitoring reports (Part D) have not been submitted to the department quarterly in accordance with the frequency in the Permit. The facility is currently missing 3rd and 4th Quarter reports for 2019 and 1st and 2nd Quarter reports for 2020.

Rule/Permit Reference: Permit Condition III.10 The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.9.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Arsenic, Total Recoverable	10	ug/L	Grab	Quarterly
Cadmium, Total Recoverable	5	ug/L	Grab	Quarterly
Chromium, Total Recoverable	100	ug/L	Grab	Quarterly
Lead, Total Recoverable	15	ug/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	s.u.	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Nitrogen, Total	Report	mg/L	Grab	Quarterly

Corrective Action: Please submit Part D ground water monitoring reports for 3rd and 4th Quarter 2019 and 1st and 2nd Quarter 2020.

13. ♦SSO Survey: In-Compliance

13.1 Observation: At the time of inspection there have been no sanitary sewer overflows from June 1, 2019 to June 30, 2020.

14. Other: Not Applicable

ATTACHMENT C

Compliance Historical Documentation

FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

February 5, 2021

Charles DeMenzes, President
Tradewinds Utilities Inc.
2925 NE 43rd Pl
Ocala, Florida 34478
charlie@altfo.com

Re: Tradewinds WWTF
DW Facility ID #FLA010699
OGC Case No: 20-1413
Marion County

Dear Mr. DeMenzes:

Enclosed is a Consent Order ("Order") prepared by the Department for resolution of the referenced enforcement case. Please review this document and within 10 days of receipt, either: 1) return a signed copy to the Department or 2) provide comments and suggested changes. Once fully executed, a copy of the final document will be forwarded to you.

Should you have any questions or comments, please contact Carolyn Hall at 407-897-4114 or via e-mail at Carolyn.X.Hall@FloridaDEP.gov.

Sincerely,

Aaron Watkins, Director
Central District

Enclosure: Consent Order

cc: utilitiesmanagementteam@gmail.com

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	)	IN THE OFFICE OF THE CENTRAL DISTRICT
v.	)	OGC FILE NO. 20-1413
TRADEWINDS UTILITIES, INC	)	

CONSENT ORDER

This Consent Order ("Order") is entered into between the State of Florida Department of Environmental Protection ("Department") and Tradewinds Utilities Inc ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and Respondent admits the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to protect Florida's air and water resources and to administer and enforce the provisions of Chapter 403, Florida Statutes ("F.S."), and the rules promulgated and authorized in Title 62, Florida Administrative Code ("F.A.C."). The Department has jurisdiction over the matters addressed in this Order.

2. Respondent is a person within the meaning of Section 403.031(5), F.S.

3. Respondent is the owner and is responsible for the operation of the Tradewinds WWTF, an existing 0.081 million gallon day (mgd) annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant (a 0.065 mgd plant in parallel with a 0.050 mgd plant) consisting of flow equalization, aeration, secondary clarification, chlorination, and aerobic digestion of biosolids with existing 0.081 MGD annual average daily flow permitted capacity slow-rate restricted public access reuse system. R-001 consists of a three-day clay-lined holding pond and a 2.34-acre sprayfield ("Facility"). The Facility is operated under Wastewater Permit No. FLA010699 ("Permit"), which was issued on December 22, 2015 and will expire on December 21,2020. The Facility is located at 2925 NE 43rd Place, Ocala, in Marion County, Florida, Latitude: 29°13' 54.37" North, Longitude: 82°5' 48.28" West, Parcel: 15845-

000-02, 15845-000-00 ("Property"). Respondent owns the Property on which the Facility is located.

4. The department finds that the following violation(s) occurred:

a) During an inspection on July 14, 2020 the sprayfield has several missing spray heads affecting the even loading of the sprayfield, which is a violation of Chapter 62-620.610(7) F.A.C.

b) During an inspection on July 14, 2020 the clay lined holding pond was not maintained which is a violation of Chapter 62-610.523 (6) F.A.C.

c) The facility has chronic effluent violations that generated a significant out of compliance with TSS limits exceeding five out of six months, which is a violation of Chapter 62-610.420 (b) F.A.C.

d) The facility is not meeting the requirements of Administrative Order AO-SS-16-016**.** The biannual status reports are not being submitted and do not accurately address the facilities ability to meet new Total Nitrogen limits currently not being met. This is a violation of Section 403.161 (1)(b) F.S.

Having reached a resolution of the matter Respondent and the Department mutually agree and it is

ORDERED:

5. Respondent shall comply with the following corrective actions within the stated time periods:

a) Effective immediately, the Respondent shall continue to monitor the sprayfield and maintain the spray heads until connection to Marion County Utilities is complete.

b) Effective immediately, the Respondent shall continue to maintain all vegetation from the holding pond to maintain storage capacity until connection to Marion County Utilities is complete.

c) Respondent shall comply with the interim limit ("Interim Limit"), the discharge monitoring, and reporting requirements in the table below for discharges to the

sprayfield system at the Facility. All of the other parameter limits in the Permit remain the same and Respondent shall comply with all of the other conditions of the Permit. The Interim Limit shall become effective upon the first day of the month following the effective date of this Consent Order. The Interim Limit shall remain in effect until December 31, 2022.

			Reclaimed Water Limitations		Monitoring Requirements			
Parameter	Units	Max./ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Solids, Total Suspended	mg/L	Max Max Max Max	**33.0** **45.0** **55.0** **70.0**	Annual Average Monthly Average Weekly Average Single Sample	Monthly	Grab	EFA-1	
Nitrogen, Nitrate, Total (as N)	mg/L	Max	**18.0**	Annual Average	Annually	Grab	EFA-1	See I.**Error ! Reference source not found.**. 6
Nitrogen, Total	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.**Error ! Reference source not found.**. 7

6. Within 30 days of the effective date of this Order, Respondent shall retain the services of a professional engineer, registered in the State of Florida, to accomplish all of the following:

a) Designing modifications of the Facility collection systems to connect to Marion County Utilities Regional/ transmission System.

b) Completing an application for a Department wastewater permit to construct the modifications listed in subparagraph (a).

c) Overseeing the construction of the modifications to the Facility, effluent disposal system, or collection system.

d) Submitting to the Department a Certification of Completion, prepared and sealed by a professional engineer registered in the State of Florida, stating that modifications to the Facility, effluent disposal system, and collection system have been constructed in accordance with the provisions of the Permit.

e) In the event the Department requires additional information to process the permit application described in subparagraph (c) of this paragraph, providing a written response containing the information requested by the Department within 90 days of the date of the request.

7. Within 60 days of the effective date of the Order, Respondent shall submit to the Department an Abandonment Plan for the facility and the effluent disposal system. Proper abandonment includes pumping the plant dry, disinfection of the plant's components, disconnecting the force mains, disconnecting the electrical systems, ensuring that water does not collect in the plant, removal of the plant, removing the drain plugs or installing permanent drains which will ensure that water does not collect in the plant. If the plant is to be demolished on-site, the bottom pad needs to be broken in pieces to provide percolation. All sludge and debris shall be disposed at an approved site.

8. Within 400 days of the effective date of this Order, Respondent shall complete the proper abandonment of the facility and the effluent disposal system.

9. Every calendar quarter after the effective date of this Order, Respondent shall submit in writing to the Department a report containing information concerning the status and progress of projects being completed under this Order, information as to compliance or noncompliance with the applicable requirements of this Order including construction requirements and effluent limitations, and any reasons for noncompliance. These reports shall also include a projection of the work to be performed pursuant to this Order during the 12-

month period which will follow the report. These reports shall be submitted to the Department within 30 days following the end of the quarter.

10. Notwithstanding the time periods described in the paragraphs above, Respondent shall complete all corrective actions required by paragraphs 5 and 6 within 400 days of the effective date of this order or the current applicable Wastewater Permit expiration date (whichever comes first), and be in full compliance with Rule 62-600, F.A.C., regardless of any intervening events or alternative time frames imposed in this Order**.**

11. Within 30 days of the effective date of this Order, Respondent shall pay the Department $2,250.00 in settlement of the regulatory matters addressed in this Order. This amount includes $2,000.00 for civil penalties and $250.00 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Order. The civil penalty in this case includes 1 violation that each warrant a penalty of $2,000.00 or more.

12. Respondent agrees to pay the Department stipulated penalties in the amount of $1000.00 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 5 and 6 of this Order. The Department may demand stipulated penalties at any time after violations occur. Respondent shall pay stipulated penalties owed within 30 days of the Department's issuance of written demand for payment and shall do so as further described in paragraphs 10 and 11, below. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any terms of this Order. Any stipulated penalties assessed under this paragraph shall be in addition to the civil penalties agreed to in paragraph # of this Order.

13. Respondent shall make all payments required by this Order by cashier's check, money order or on-line payment. Cashier's check or money order shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Order and the notation "Water Quality Assurance Trust Fund." Online payments by e-check can be made by going to the DEP Business Portal at:

http://www.fldepportal.com/go/pay/. It will take a number of days after this order is final and effective filed with the Clerk of the Department before ability to make online payment is available.

14. Except as otherwise provided, all submittals and payments required by this Order shall be sent to Compliance Assurance Program, Department of Environmental Protection, Central District, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803-3767 or by email at DEP_CD@dep.state.fl.us.

15. Respondent shall allow all authorized representatives of the Department access to the Facility and the Property at reasonable times for the purpose of determining compliance with the terms of this Order and the rules and statutes administered by the Department.

16. In the event of a sale or conveyance of the Facility or of the Property upon which the Facility is located, if all of the requirements of this Order have not been fully satisfied, Respondent shall, at least 30 days prior to the sale or conveyance of the Facility or Property, (a) notify the Department of such sale or conveyance, (b) provide the name and address of the purchaser, operator, or person(s) in control of the Facility, and (c) provide a copy of this Order with all attachments to the purchaser, operator, or person(s) in control of the Facility. The sale or conveyance of the Facility or the Property does not relieve Respondent of the obligations imposed in this Order.

17. If any event, including administrative or judicial challenges by third parties unrelated to Respondent, occurs which causes delay or the reasonable likelihood of delay in complying with the requirements of this Order, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of Respondent and could not have been or cannot be overcome by Respondent's due diligence. Neither economic circumstances nor the failure of a contractor, subcontractor, materialman, or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines shall be considered circumstances beyond the control of Respondent (unless the cause of the contractor's late performance was also beyond the contractor's control). Upon occurrence of an event causing delay, or upon

becoming aware of a potential for delay, Respondent shall notify the Department by the next working day and shall, within seven calendar days notify the Department in writing of (a) the anticipated length and cause of the delay, (b) the measures taken or to be taken to prevent or minimize the delay, and (c) the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended. The agreement to extend compliance must identify the provision or provisions extended, the new compliance date or dates, and the additional measures Respondent must take to avoid or minimize the delay, if any. Failure of Respondent to comply with the notice requirements of this paragraph in a timely manner constitutes a waiver of Respondent's right to request an extension of time for compliance for those circumstances.

18. The Department, for and in consideration of the complete and timely performance by Respondent of all the obligations agreed to in this Order, hereby conditionally waives its right to seek judicial imposition of damages or civil penalties for the violations described above up to the date of the filing of this Order. This waiver is conditioned upon Respondent's complete compliance with all of the terms of this Order.

19. This Order is a settlement of the Department's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Order is not a settlement of any criminal liabilities which may arise under Florida law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law. Entry of this Order does not relieve Respondent of the need to comply with applicable federal, state, or local laws, rules, or ordinances.

20. The Department hereby expressly reserves the right to initiate appropriate legal action to address any violations of statutes or rules administered by the Department that are not specifically resolved by this Order.

21. Respondent is fully aware that a violation of the terms of this Order may subject Respondent to judicial imposition of damages, civil penalties up to $10,000.00 per day per violation, and criminal penalties.

22. Respondent acknowledges and waives its right to an administrative hearing pursuant to sections 120.569 and 120.57, F.S., on the terms of this Order. Respondent also acknowledges and waives its right to appeal the terms of this Order pursuant to section 120.68, F.S.

23. Electronic signatures or other versions of the parties' signatures, such as .pdf or facsimile, shall be valid and have the same force and effect as originals. No modifications of the terms of this Order will be effective until reduced to writing, executed by both Respondent and the Department, and filed with the clerk of the Department.

24. The terms and conditions set forth in this Order may be enforced in a court of competent jurisdiction pursuant to sections 120.69 and 403.121, F.S. Failure to comply with the terms of this Order constitutes a violation of section 403.161(1)(b), F.S.

25. This Consent Order is a final order of the Department pursuant to section 120.52(7), F.S., and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, F.S. Upon the timely filing of a petition, this Consent Order will not be effective until further order of the Department.

Persons who are not parties to this Consent Order, but whose substantial interests are affected by it, have a right to petition for an administrative hearing under sections 120.569 and 120.57, Florida Statutes. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition concerning this Consent Order means that the Department's final action may be different from the position it has taken in the Consent Order.

The petition for administrative hearing must contain all of the following information:

a) The OGC Number assigned to this Consent Order;

b) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding;

c) An explanation of how the petitioner's substantial interests will be affected by the Consent Order;

d) A statement of when and how the petitioner received notice of the Consent Order;

e) Either a statement of all material facts disputed by the petitioner or a statement that the petitioner does not dispute any material facts;

f) A statement of the specific facts the petitioner contends warrant reversal or modification of the Consent Order;

g) A statement of the rules or statutes the petitioner contends require reversal or modification of the Consent Order; and

h) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Consent Order.

The petition must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000 within 21 days of receipt of this notice. A copy of the petition must also be mailed at the time of filing to the District Office at Central District, 3319 Maguire Blvd., Orlando, FL 32803. Failure to file a petition within the 21-day period constitutes a person's waiver of the right to request an administrative hearing and to participate as a party to this proceeding under sections 120.569 and 120.57, Florida Statutes. Before the deadline for filing a petition, a person whose substantial interests are affected by this Consent Order may choose to pursue mediation as an alternative remedy under section 120.573, Florida Statutes. Choosing mediation will not adversely affect such person's right to request an administrative hearing if mediation does not result in a settlement. Additional information about mediation is provided in section 120.573, Florida Statutes and Rule 62-110.106(12), Florida Administrative Code.

26. Rules referenced in this Order are available at https://softlive.dep.state.fl.us/ogc/ogc/content/rules

FOR THE RESPONDENT:

_____ _____
Charles Demenzes Date
Owner of Tradewinds Utilities Inc.

DONE AND ORDERED this ___ day of _____, 2021, in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

_____
Aaron Watkins
District Director
Central District

Filed, on this date, pursuant to section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date

Copies furnished to:

Lea Crandall, Agency Clerk
Mail Station 35

ATTACHMENT D

Agreements with Surrounding Utilities

Andreyev Engineering, Inc.

ST. PETERSBURG OFFICE
3740 54th Avenue North
St. Petersburg, Florida 33714
727-527-5735

▼ Groundwater ▼ Environmental ▼ Geotechnical ▼ Construction Materials Testing

December 2, 2021
AEI Project No. APGW-21-108

TO: **SJRWMD Bureau of Water Use Permitting**
4049 Reid Street
PO Box 1129
Palatka, FL 32178-1429

Attn: Rich Burklew, Manager, Water Use Permit Reviewer

SUBJECT: **Modification Application**
Consumptive Use Permit (CUP) No. No. 2995-6
Tradewinds Utilities, Inc.
Marion County, Florida

Dear Mr. Burklew:

Andreyev Engineering, Inc. (AEI) is providing a modification application for CUP No. 2995-6 for Tradewinds Utilities, Inc. The request for modification is for an increase in the currently permitted withdrawal rates, to supply wholesale water quantities to Marion County Utilities for supply of a proposed development, namely Millwood Estates. This application includes the following:

1. **Attachment A** - Application forms – Cup Application form and Public Supply Supplemental form;
2. **Attachment B** - Wholesale Water Agreement – between Tradewinds Utilities, Inc. and Marion County Utilities;
3. **Attachment C** – Aerial Property and Well Map;
4. **Attachment D** - Pumping Report Analysis, and Tables A, B and C;
5. **Attachment E** – Millwood Development Growth Rate Analysis;
6. **Attachment F** - Current Tradewinds Utilities, Inc. Rate Structure;
7. **Attachment G** – FDEP Water Treatment Plant Inspection Report;
8. **Attachment H** - Impact Analysis and Predicted Drawdown Contour Maps.

The developer for the Millwood Estates development is projecting, based upon their market analysis, that the development will be built-out and inhabited within 5 years or by the end of 2027. The wholesale agreement is for 200,000 gpd, included in **Attachment B**, will be enough to supply the single-family residential development for that time period from the Tradewinds Utilities, Inc. CUP. Tradewinds Utilities, Inc. has enough pumping capacity, namely 1,368,000 gpd from ID 3, and 532,800 gpd from both standby wells, ID Nos. 1 and 2, to supply this wholesale water amount. Please see **Attachment E** for the specific growth rate analysis for the proposed Millwood Estates Development and **Attachment D** for the total Tradewinds Utilities, Inc. projected withdrawal tables. Please see **Attachment F** for the current Tradewinds Utilities, Inc. rate structure to demonstrate current water conservation efforts. Please see **Attachment G** for the FDEP Water Treatment Plant Inspection Report.

Based upon the Impact Analysis included in **Attachment H**, there will be no significant impacts to area surface water features, groundwater wells, and springs.

Thank you for your consideration of this modification application. If you have any questions or concerns regarding this response, please contact the undersigned by email at vbielski@andreyevengineering.com or by phone at (727) 224-3983.

Sincerely,

ANDREYEV ENGINEERING, INC.



12/2/2021

Vivian J. Bielski, P.G.
Senior Project Geologist
Andreyev Engineering, Inc.

ec: Charlie deMenzes, Chris Armstrong, Jody Kirkman, Tim Brooker

ATTACHMENT A

Application Forms (2)

CONSUMPTIVE USE PERMIT APPLICATION

St. Johns River Water Management District
4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
Application forms may also be submitted electronically at *www.sjrwmd.com*.

SECTION I – CONTACT INFORMATION

If necessary, attach additional sheets if there are multiple applicants, owners, agents, etc.

1. **APPLICANT** (Complete legal name in which permit should be issued)
   NAME: Tradewinds Utilities, Inc.
   If applicant is a business, provide a contact person: Charles deMenzes
   ADDRESS: PO Box 5220
   CITY, STATE, ZIP: Ocala, FL 34478
   PHONE: (352) 622-4949 CELL PHONE: (_____) _____
   EMAIL ADDRESS: charlie@altfo.com
   Do you want all correspondence to be transmitted electronically to this email address? ■ Yes ❑ No
   Applicant is: ■ Owner ❑ Lessee* ❑ Other (explain) _____
   *Attach copy of current lease, or written authorization from property owner

2. **OWNER** (If different than applicant)
   NAME: _____
   ADDRESS: _____
   CITY, STATE, ZIP: _____
   PHONE: (_____) _____ CELL PHONE: (_____) _____
   EMAIL ADDRESS: _____

3. **AGENT OR CONSULTANT** Address all correspondence to the person below? ■ Yes ❑ No
   NAME: Vivian J. Bielski, P.G.
   COMPANY NAME (if applicable): Andreyev Engineering, Inc.
   ADDRESS: 14338 Rialto Ave.
   CITY, STATE, ZIP: Brooksville, FL 34613
   PHONE: (_____) _____ CELL PHONE: (727) 224-3983
   EMAIL ADDRESS: vbielski@andreyevengineering.com

4. **COMPLIANCE CONTACT** (Person responsible for ensuring that the permit conditions are met)
   NAME: Same as Owner
   ADDRESS: _____
   CITY, STATE, ZIP: _____
   PHONE: (_____) _____ CELL PHONE: (_____) _____
   EMAIL ADDRESS: _____

Form No. 40C-2.900(1), effective August 2014
Incorporated by reference in 40C-2.900(1), F.A.C.

SECTION II – APPLICATION INFORMATION

For permit application guidance, please refer to the Applicant's Handbook, Consumptive Uses of Water, which is incorporated by reference in Rule 40C-2.101(1)(a), F.A.C. (A.H.). Please complete all fields. Enter N/A for any fields that are not applicable.

1. **TYPE OF APPLICATION:** ❑ New ■ Modification ❑ Renewal

   If this application is for a modification, please describe the modification request and the reason the modification is necessary. To include a wholesale supply quantity to Marion County Utilities

2. **CONSUMPTIVE USE PERMIT NO.** (if application is for renewal or modification): 2995-6

3. **REQUESTED PERMIT DURATION**: ❑ 20 years ■ Exp years (up to 20 years)

   ❑ This project qualifies for a duration greater than 20 years, per Section 373.236, F.S.

4. **PROJECT NAME**: Tradewinds Utilities **COUNTY**: Marion

   PHYSICAL ADDRESS: Same as Owner

5. **RELATED PERMITS** (for projects other than Public Supply)

   ❑ ENVIRONMENTAL RESOURCE PERMIT: MSSW/ERP No(s): _____

   ❑ INDUSTRIAL WASTEWATER (IWW) PERMIT: IWW Permit No(s): _____

   ❑ NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT:

   NPDES Permit No(s): _____

SECTION III – USE TYPE CATEGORIES

Please check all applicable use categories associated with this application and complete the associated supplemental form(s) indicated. The **Minor Individual Supplemental Form** (Form No. 40C-2.900(2)) can be completed in lieu of Supplemental Forms A through G if all of the following criteria are met:

- Use is less than 100,000 gallons per day
- Withdrawal facilities (wells or pump intakes) are less than 8-inches diameter
- Combined withdrawal capacity is less than 1,000,000 gallons per day
- Use is not for Mining/Dewatering
- Use is for Public Supply where end users are not individually metered

Use Type Category	Supplemental Form
❑ **Agricultural** (e.g., crops, livestock, nursery, aquaculture, pasture)	Form A Form No. 40C-2.900(1)(a)
❑ **Commercial / Industrial** (e.g., service business, food and beverage production, cooling and heating, commercial attraction, manufacturing, chemical processing, power generation)	Form B Form No. 40C-2.900(1)(b)
❑ **Landscape / Recreation** (e.g., irrigation of parks, cemeteries, landscaped areas, golf courses, athletic fields, playgrounds)	Form C Form No. 40C-2.900(1)(c)
❑ **Mining / Dewatering** (e.g., water use or removal associated with construction or excavation)	Form D Form No. 40C-2.900(1)(d)
■ **Public Supply** (e.g., public or privately owned potable water supply utility)	Form E Form No. 40C-2.900(1)(e)
❑ **Environmental / Other** (e.g., aquifer remediation, environmental enhancement, or the use of water for other purposes)	Form F Form No. 40C-2.900(1)(f)
❑ **Institutional** (e.g., hospital, university, military base, correctional facility)	Form G Form No. 40C-2.900(1)(g)

SECTION IV – SOURCES OF WATER

(please attach additional facility tables if necessary)

SUMMARY OF GROUNDWATER (WELL) FACILITIES

Site or Wellfield Name[1]	District ID (if available)	Florida Unique Well ID (if available)	Owner's Well Name	Capacity (gpm)	Pump Type[2]	Casing Diameter (inches)[3]	Casing Depth (feet)	Total Depth (feet)	Status[4] (include date if proposed)	Type of Water Use Accounting Method[5]	Last Meter Check / Method Validation[6]	Type of Water Use (refer to Section III)
Tradewinds Util	1	19078	1	250	Sub.	8	35	240	EX	Ganged Met		PS
Tradewinds Util	2	19079	2	150	Sub.	8	38	160	EX	Ganged w 1		PS
Tradewinds Util	3	19080	3	950	Sub.	12	35	240	EX	Meter		PS

1 If project consists of separate or non-contiguous pieces of property or wellfields
2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), vacuum underdrain (typically used for dewatering), well point system (typically used for dewatering), or other (any pump that does not fall into one of the categories previously listed)
3 The casing diameter is defined as the largest permanent water-bearing casing of the well at land surface.
4 Active (currently in use), Inactive (capped, does not have power, or the connection to the water supply system has been severed), Abandoned (plugged and abandoned in accordance with 40C-3, Florida Administrative Code), or Proposed (include anticipated construction date)
5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
6 Enter the date of the last flow meter accuracy check or alternative method validation

Form No. 40C-2.900(1), effective August 2014
Incorporated by reference in 40C-2.900(1), F.A.C.

SUMMARY OF SURFACE WATER (PUMP) FACILITIES

Site Name[1]	District ID (if available)	Owner's Pump Name	Pump Capacity (gpm)	Pump Intake Diameter (inches)	Pump Type[2]	Name of Surface Water Body	Type of Surface Water Body[3]	Status[4] (include date if proposed)	Type of Water Use Accounting Method[5]	Last Meter Check / Method Validation[6]	Type of Water Use (refer to Section III)
N/A											

1 If project consists of separate or non-contiguous pieces of property or wellfields
2 Centrifugal (impeller located above water level), submersible (pump set below water level), turbine (motor at ground surface that drives an impeller below water level), hydraulic dredge pump (typically used for mining), hydraulic dewatering pump (typically used for construction or mining), other (any pump that does not fall into one of the categories previously listed)
3 Ditch/canal, lake/pond (natural), lake/pond (artificial), river/creek, spring, mining/borrow pit
4 Active (currently in use), Inactive (does not have power, or the connection to the water supply system has been severed), Proposed
5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
6 Enter the date of the last flow meter accuracy check or alternative method validation

SUMMARY OF CONNECTION POINT FACILITIES

Connection points include locations where potable or non-potable water (including reclaimed water) purchased from a water supplier enters a project site.

Site Name[1]	District ID (if available)	Owner's Connection Point Name	Water Supplier Name[2]	Type of Surface Water Body[3] (if applicable)	Status[4] (include date if proposed)	Type of Water Use Accounting Method[5]	Last Meter Check / Method Validation[6]	Type of Water Use (refer to Section III)

1 If project consists of separate or non-contiguous pieces of property or wellfields
2 Name of water supplier that provides water to the project through the connection point
3 Reclaimed water holding pond, stormwater management system
4 Active (currently in use), Inactive (the connection to the water supply system has been severed), Proposed
5 Flow Meter, Time Clock / Pump Run Time, Hour Meter, Digital Electric Meter, Analog Electric Meter
6 Enter the date of the last flow meter accuracy check or alternative method validation

SECTION V – USE OF LOWEST QUALITY WATER AND EVALUATION OF RECLAIMED WATER FEASIBILITY

The applicant may be required to evaluate the feasibility of utilizing reclaimed water and/or other lower quality water sources. The feasibility analysis must be completed as outlined in Section 2.3.3(e), A.H.

SECTION VI – SUMMARY OF REQUESTED WATER USE

Summarize the requested water use from each supplemental form (Agricultural, Public Supply, Commercial / Industrial, etc.) in the table below. Provide projections for each source, at five-year intervals, for the requested permit duration. If the requested permit duration exceeds 20 years, please attach a supplemental sheet providing additional five-year projections for each source.

Year	Requested Amounts and Source(s) of Water				
	Source 1 Name[1] Upper Floridan (mgy[2])	Source 2 Name _____ (mgy)	Source 3 Name _____ (mgy)	Source 4 Name _____ (mgy)	Total Requested Water Use (mgy)
Year 20 35	334,000				334,000
Year 20_____					
Year 20_____					
Year 20_____					

[1] Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake.
[2] Million gallons per year

SECTION VII – AQUIFER STORAGE AND RECOVERY *(complete if applicable)*

ASR Facility Name	Source of Stored Water[1]	Storage Aquifer Name	Recovery Water Destination	Projected Demand Average (mgy)	Projected Demand Maximum (mgy)	Projected Injected Average (mgy)	Projected Injected Maximum (mgy)
n/a							

[1] Aquifer name, surface water body, water treatment plant name.

Please describe any projected increases or decreases (from historical average) in the amounts stored or recovered.

_____

_____

_____

Form No. 40C-2.900(1), effective August 2014
Incorporated by reference in 40C-2.900(1), F.A.C.

SECTION VIII – IMPACT EVALUATION

When determining whether the permit applicant has provided reasonable assurances that the conditions for issuance in Rule 40C-2.301, F.A.C., are met, the District will consider the projected impacts of the proposed consumptive use on an individual and cumulative basis. In order to provide reasonable assurance, studies and/or impact evaluations may be required. Please refer to the Applicant's Handbook for guidance regarding the impact evaluations and attach analyses, if applicable.

SECTION IX – APPLICANT CERTIFICATION

I certify that to the best of my knowledge and belief, all of the information provided on this form and in any attachment to it is correct. I also certify that I have legal authority to execute this application for the applicant and certify that the applicant will have sufficient legal authority to undertake the activities described herein. I understand that any material false statement in an application to continue, initiate, or modify a use, or any material false statement in any report or statement of fact required of the permittee, may result in revocation, in whole or in part, of the permit (Section 373.243(1), F.S.). With advance notice, I agree to provide St. Johns River Water Management District staff, with proper identification, entry to the project site for the purpose of performing analyses of the site for determining whether the conditions for issuance will be met. Further, if a permit is granted, I agree that, with advance notice, District staff with proper identification shall have permission to enter, inspect, collect samples, and take measurements of permitted facilities to determine compliance with the permit conditions and permitted plans and specifications.

(If applicable) I authorize Vivian J. Bielski, P.G. to act as my agent for permit application coordination.

Charles DeMenzes	Charles deMenzes	12/2/2021
APPLICANT'S NAME (*print or type*)	APPLICANT'S SIGNATURE	DATE
Vivian J. Bielski, P.G.	Vivian J. Bielski	12/2/2021
AUTHORIZED AGENT'S NAME (*print or type*)	AUTHORIZED AGENT'S SIGNATURE	DATE

When an application that will be considered by the District's Governing Board is complete, the applicant will be notified of the date of the hearing (Governing Board meeting) at which the application will be considered at least 14 days in advance. The Governing Board normally meets on the second Tuesday of the month.

SECTION X – APPLICANT CHECKLIST

The following items must be included with the permit application submittal:

- ❑ Proof of Property Control (e.g., deed, lease), if not already on file with the District
- ■ Application Fee (refer to online fee schedule or Applicant's Handbook)
- ■ Location/Site Map
- ■ Supplemental Form(s) and associated supporting information (e.g., maps, calculations)
- ■ Water Conservation Plan

Form No. 40C-2.900(1), effective August 2014
Incorporated by reference in 40C-2.900(1), F.A.C.

CONSUMPTIVE USE PERMIT
Public Supply – Form E

St. Johns River Water Management District
4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
Application forms may also be submitted electronically at *www.sjrwmd.com*.

SECTION E1 – SITE INFORMATION

1. Submit a map showing: [if available, provide items A through C in a District-approved electronic format, e.g. ESRI shapefile, AutoCAD, DXF, KMZ, or compatible GIS file]:
   A. The Distribution Area boundary(ies) where service is currently being provided and where the utility is proposing to provide service during the permit duration;
   B. The Authorized Water Service Area or Franchise Area boundary in which the utility is legally authorized to provide potable water service;
   C. All existing and proposed withdrawal and connection point locations. Label all wells, pumps and connection points so they match the IDs provided in Section IV (Sources of Water) of the main application form (Form No. 40C-2.900(1), which is incorporated by reference in Rule 40C-2.900(1), F.A.C.);
   D. A north arrow and map scale; and
   E. Labeled landmarks such as major roads and political boundaries.

SECTION E2 – POPULATION AND PER CAPITA USE

1. Historical data must be provided for the previous five years (including the most recent calendar year) and projected use at a minimum of five-year intervals for the requested permit duration. If historical data has been previously submitted to the District to fulfill periodic reporting requirements, the historical data may be left blank.

Year		Average Number of Active Residential Connections	Total Number of Residential Dwelling Units (if available)	Residential Population Served[1]	Residential Water Use Average Day (mgd)	Uniform Residential Per Capita Use[2] (gpcd)[3]
Historical	SEE	TABLE A				
Projected						

[1] Calculated as the Average Number of Active Residential Connections or Total Number of Residential Dwelling Units multiplied by the average number of persons per household.
[2] Calculated as Total Residential Water Use Average Day divided by Residential Population Served. Residential water use reflects finished water.
[3] gpcd = gallons per capita per day

2. Please attach a description of the methodology used to estimate population. Include supporting calculations and describe any deviations from District-approved methods as outlined in the Applicant's Handbook.

Form No. 40C-2.900(1)(e), effective August 2014
Incorporated by reference in 40C-2.900(1)(e), F.A.C

SECTION E3 – WATER DEMAND COMPONENTS

1. **Historical and Projected Water Demands**.
   If historical data has been previously submitted to the District to fulfill periodic reporting requirements, the historical data may be left blank. Projections must be provided at a minimum of five-year intervals for the requested permit duration.

Year		Residential Water Use Average Day (mgd) (from Section E2 above)	Commercial / Industrial / Institutional[1] Average Day (mgd)	Recreation and Landscape Irrigation Average Day[2] (mgd)	Routine Exports Average Day[3] (mgd)	Other[4] (describe) _____ Average Day (mgd)	Water Utility[5] Average Day (mgd)	Water Losses[6] Average Day (mgd)	Water Treatment Reject[7] Average Day (mgd) (if applicable)	Annual Average Daily Raw Water Demand[8] (mgd)
Historical Water Demand	SEE	ATTACHED	TABLE B	Sub.		PS	240			
				8	Ganged w 1	Tradewinds	EX			
				35	EX	3	Meter			
				240	160	19080				
				EX	38	3	PS			
Projected Water Demand			Tradewinds	Ganged Met	8	950				
			1		Sub.	Sub.				
			19078	PS	150	12				
			1	Tradewinds	2	35				
			250	2	19079					

[1] Metered bulk industrial and commercial use including businesses, manufacturing facilities, and institutions such as schools and hospitals, including irrigation uses associated with these facilities whose irrigation source is provided by the utility.
[2] Use for irrigation of common areas such as parks, athletic fields, cemeteries, medians, and rights-of-way.
[3] Water routinely supplied to other utilities through interconnections.
[4] Examples of "Other" could include supplementation of a reclaimed water system, environmental restoration, or other uses not listed above.
[5] Water used for line flushing, well lubrication, and other water system maintenance.
[6] Water losses including leakage from transmission and storage facilities and other unknown water losses.
[7] Reject water from treatment systems such as reverse osmosis
[8] The annual average day raw water demand; should represent the sum of the columns to the left.

Form No. 40C-2.900(1)(e), effective August 2014
Incorporated by reference in 40C-2.900(1)(e), F.A.C

2. Attach a description of the methodology used to develop projections for each column in the Projected Water Demands table above. Include supporting calculations and describe any deviations from District-approved methods as described in the Applicant's Handbook.

SECTION E4 – HISTORICAL AND REQUESTED WATER USE

1. **Historical and Projected Water Supply Sources**

Provide the historical and projected water supply from each source. Sources include any bulk water purchases or transfers. The sum of all sources should equal the Annual Average Daily Raw Water Demand.

	Year	Requested Amounts and Source(s) of Water (mgy)				
		Annual Average Daily Raw Water Demand (mgd) Section E3 Table 1	Source 1 Name[1] _____ (mgy)	Source 2 Name _____ (mgy)	Source 3 Name _____ (mgy)	Source 4 Name _____ (mgy)
Historical Water Supply	SEE	ATTACHED	TABLE C			N/A
Projected Water Supply						

[1] Provide the name of the water source. Examples include upper Floridan aquifer, stormwater pond, surficial aquifer, Davis Lake

2. **Wellfield Operation Schedule**

Describe the typical wellfield operation schedule, including source and/or facility specific allocations if applicable. Identify which wells are primary, secondary (peaking), stand-by, and describe the well rotation schedule.

All wells are used equally and have a ganged meter.

Form No. 40C-2.900(1)(e), effective August 2014
Incorporated by reference in 40C-2.900(1)(e), F.A.C

SECTION E5 – REUSE FEASIBILITY

For public water supply utilities that operate a domestic wastewater treatment facility, please provide an analysis of the economic, environmental, and technological feasibility of making reclaimed water available or increasing reclaimed water availability for beneficial reuse. Pursuant to subsection 403.064(6), F.S., a reuse feasibility study prepared in accordance with subsection 403.064(2), F.S., satisfies the requirement to conduct a reuse feasibility study.

SECTION E6 – WATER CONSERVATION

1. **CONSERVATION**

Please attach a copy of the conservation plan, and include a copy of any water conservation ordinances related to the plan. If your facility is located in a Water Resource Caution Area, there may be additional water conservation requirements as described in section 2.2.2.5 of the Applicant's Handbook.

A. Indicate whether the conservation program is a Standard Conservation Plan or a Goal-based Plan.

❣ Standard Conservation Plan ❑ Goal-based Plan

B. Please attach a copy of the current water rate structure.

Form No. 40C-2.900(1)(e), effective August 2014
Incorporated by reference in 40C-2.900(1)(e), F.A.C

ATTACHMENT B

Wholesale Water Agreement

This instrument prepared by:
Marion County Utilities
Attn. Jody Kirkman
11800 SE US Highway 441
Belleview, FL 34420

Record and Return to:
Marion County Utilities
Attn. Jody Kirkman
11800 SE US Highway 441
Belleview, FL 34420

WHOLESALE WATER AND WASTEWATER SERVICE AGREEMENT

between

TRADEWINDS UTILITIES, INC.

and

MARION COUNTY, FLORIDA

For the exchange of MARION COUNTY Wastewater Service
and TRADEWINDS UTILITIES, INC. Water Service

This Wholesale Water and Wastewater Service Agreement (this "Agreement") is made and entered into by and between TRADEWINDS UTILITIES, INC., a Florida for profit corporation, with a principal address of 1552 SW 7th Rd., Ocala, FL 34471 and a mailing address of P.O. Box 5220, Ocala, FL 34478, (hereafter "COMPANY") and MARION COUNTY, a political subdivision of the State of Florida, with a principal address of 601 SE 25th Avenue, Ocala, FL 34471 (hereafter, "COUNTY") (singularly "Party," collectively "Parties.").

WHEREAS, COMPANY is the owner of certain real property, a "package" sewage treatment plant, effluent disposal systems, gravity collection system, lift stations and force mains described herein, along with associated rights, permits and interests necessary to operate such facilities (collectively "COMPANY Facilities"), and same is operated by COMPANY to serve the area within COMPANY's Public Service Commission ("PSC") certificated wastewater service area in Marion County, Florida; and

WHEREAS, COMPANY also operates a privately owned water system selling to the public and located within its PSC certificated service area in Marion County, Florida; and

WHEREAS, COUNTY operates a public wastewater system as well as a public water system located in Marion County, Florida (hereafter, the "COUNTY's Wastewater System") and is engaged in the commercial provision of water and wastewater services to customers; and

WHEREAS, COMPANY has requested COUNTY take ownership of a certain portion of COMPANY Facilities, including certain real property; to replace the conveyed wastewater facilities with a master pump system ("MPS"); connect the MPS to COUNTY's central wastewater collection system; decommission the now defunct facilities; and to do so in such a manner as to allow COMPANY, throughout and thereafter, to continue to provide wastewater service its customers; and

WHEREAS, COUNTY is willing to accommodate COMPANY's request and agrees to accept the conveyance, perform the construction, and thereafter sell, on a wholesale basis, wastewater service capacity to COMPANY for COMPANY's provision of retail wastewater service within COMPANY's Florida Public Service Commission ("PSC") certificated service area (collectively the "Parties Wastewater Project"); and

WHEREAS, COUNTY has historically been unable to provide water services to customers in COMPANY's geographical area due to a lack of nearby infrastructure; and

WHEREAS, COUNTY has requested COMPANY facilitate COUNTY's ability to provide water services to customers in the geographical area but outside COMPANY's PSC certificated service area; and

WHEREAS, COMPANY is willing to accommodate COUNTY and agrees to provide wholesale water service capacity to COUNTY, that will enable COUNTY to provide water service outside COMPANY's PSC certificated service area, and COMPANY will continue to provide retail water service to its individual customers within its PSC certificated service area (collectively the "Parties Water Project"); and

WHEREAS, COUNTY has requested and COMPANY agrees to provide allow to connect the Armstrong Project known as ("Millwood Estates Project") to connect to its collector system; and

WHEREAS, COMPANY has requested and COUNTY agrees to pursue the acquisition and purchase of companies under mutual ownership, i.e., Tradewinds Utilities, Inc., C.F.A.T. H2O (a/k/a "Landfair"), and BFF Corp. private utility systems; and

WHEREAS, in performing the projects outlined above COUNTY and COMPANY are committed to compliance with all federal, state and local statutes, ordinances, rules and regulations governing water and wastewater systems and with the terms of this Agreement; and

WHEREAS, the wastewater system constructed by COUNTY will allow the Parties to fully participate in the Florida Department of Environmental Protection ("FDEP") Silver Springs Basin Management Action Plan ("BMAP") and support the overall goal of improving the water quality in the region by reducing nitrogen pollution within the springshed; and

WHEREAS, the Parties desire to enter into this Agreement to set forth their mutual understanding of the respective benefits and obligations in this project, with each offering the

other its covenant and agreement that it has the power to enter into this Agreement and same shall be effective upon the date of the last signature below (the "Effective Date").

NOW, THEREFORE, in consideration of the mutual covenants contained herein, and other good and valuable consideration, the sufficiency of which is hereby acknowledged, the Parties do hereby agree as follows:

ARTICLE I
RECITALS

1. **RECITALS.**
COMPANY and COUNTY confirm and agree that the above Recitals are true and correct, and incorporate their terms and provisions herein for all purposes.

ARTICLE II
PARTIES' WASTEWATER PROJECT

1. Contemporaneously with the Water Project described later herein, the Parties shall also be engaged in the Wastewater Project as set forth below and generally described as:
   A. COMPANY shall convey certain property, including real property, to COUNTY;
   B. COUNTY shall construct new wastewater facilities on the subject real property;
   C. COUNTY shall thereafter connect COMPANY's existing wastewater system to the newly constructed facilities and then, in turn, connect all to COUNTY's central wastewater collection system;
   D. COUNTY shall thereafter be responsible to provide wastewater services to COMPANY.

ARTICLE III
COUNTY FACILITIES

1. **CONVEYANCE**
   A. **Conveyance Property.**
   As a condition precedent to COUNTY providing wastewater service to COMPANY, COMPANY shall convey to COUNTY at no cost, marketable title, free and clear of any and all liens and encumbrances, by deed or bill of sale the entirety of the Conveyance Property.
   B. Conveyance Property is defined by the Parties to include the following items making up a portion of COMPANY's Facilities:
      1. Real property identified as Marion County Parcel Numbers 15840-000-02 and 15840-004-00, more fully described on **Exhibit A** hereto and sketch of same is provided on **Exhibit B** hereto (collectively the "Parcels");
      2. A portion of COMPANY's on-site wastewater facilities, including:
         a. Sewage treatment plant;
         b. On-site lift station;

c. Effluent disposal system/property,

d. Any other tangible and intangible personal property, situated on the Parcels and used and useful by COMPANY to serve the Tradewinds Utilities, Inc. (the "Original Facilities").

3. Any and all engineering drawings, maps, surveys or other documents pertinent to the above.

C. **Free and Clear.**

COMPANY represents, warrants, certifies and assures that there are no liens or encumbrances on the Conveyance Property as of the Effective Date of this Agreement, and further that COMPANY will not permit any such liens or encumbrances to be filed against the Conveyance Property before the Closing and COUNTY's recordation of the deed to the Conveyance Property.

D. **No Capacity Fees.**

The transfer of the Conveyance Property shall be made in lieu of any obligation of COMPANY to pay wastewater capacity fees for the wastewater service provided hereunder.

E. **Closing.**

The closing for the Conveyance Property, shall take place at the office of the Marion County Utilities Division, 11800 SE US 441, Belleview, Florida, on or before February 1, 2021 (the "Closing").

2. **CONSTRUCTION.**

A. **Components of COUNTY Facilities.**

After taking ownership of all Conveyance Property, COUNTY shall, at its own expense, design, permit, and construct a new COUNTY- owned lift station to be built in accordance with Marion County Standards and to include a new force main, 4-inch magnetic wastewater flow meter, and ancillary facilities (collectively "COUNTY Facilities").

B. **Enabled for Wholesale Service.**

COUNTY Facilities shall take COMPANY's wastewater flows from the Tradewinds Utilities, Inc. site and convey those flows to COUNTY's Silver Springs Shores Wastewater Treatment Plant in order to provide wholesale wastewater treatment service to COMPANY.

C. **Decommissioning.**

Upon certification that COUNTY Facilities are operational and after completing the connection with COMPANY's on-site facilities, COUNTY shall, at its own expense, permit, abandon, demolish and remove the Original Facilities in accordance with applicable laws.

D. **Financing.**

COUNTY has received a State Grant from the Florida Department of Environmental Protection ("FDEP") providing funds to construct COUNTY

Facilities, to remove COMPANY's Original Facilities, and to place COMPANY's wastewater treatment package plant flows on COUNTY's central wastewater collection system, providing the required treatment to produce effluent that meets the requirements within the Silver Springs Basin.

ARTICLE IV
COUNTY WHOLESALE WASTEWATER SERVICE TO COMPANY

1. **SERVICE DURING CONSTRUCTION.**A. **Timing**
   1. COUNTY expects to have COUNTY Facilities constructed and operational within four hundred (400) days following the Closing of the Conveyance Property.
   2. COUNTY shall provide forty five (45) days' advance written notice to COMPANY of the first date on which COUNTY's wholesale wastewater treatment service ("COUNTY Service") is available to COMPANY.

B. **License.**
   1. During construction of COUNTY Facilities, COUNTY hereby grants to COMPANY a one-time non-exclusive license to occupy and use the Conveyance Property in order to continue operating the existing wastewater treatment plant, on-site lift station, effluent disposal system and related facilities, so as to provide uninterrupted service to COMPANY's customers.
   2. This term of the license shall begin on the date of Closing and expire on the first date COUNTY Service is made available to COMPANY (the "License Term").
   3. For the duration of the License Term, COMPANY shall be liable in all respects for the condition of the premises of the Conveyance Property, with the exception of that portion being occupied by COUNTY's construction activities.
   4. COMPANY shall further continue to be liable for any claims for any acts or omissions of its officers and employees arising out of COMPANY's operations or its use of the Conveyance Property during the License Term. Further COMPANY hereby releases and holds COUNTY harmless for any and all claims of damages related to the condition of and operation of the Conveyance Property under COMPANY's control and the acts and omissions of COMPANY's officers, employees, and agents in their use and operation of the Conveyance Property during the License Term.
   5. Both Parties agree to timely notify the other if any hazardous or dangerous conditions are observed on or about the Conveyance Property during the License Term.

2. **SERVICE AFTER CONSTRUCTION.**
   A. **COUNTY Rates Subject to Adjustment.**
      1. COUNTY's wholesale wastewater service to COMPANY for the Tradewinds Development, and the terms of this Agreement, shall at all times be subject to applicable provisions for rates, fees and charges, as

well as the other requirements specified in the Marion County Code of Ordinances and related resolutions and the policies and procedures of COUNTY.

2. COMPANY acknowledges that it will be subject to COUNTY adjustments to its general wholesale rates that may occur from time to time based on its cost for providing wastewater service capacity.
3. COUNTY shall give COMPANY sixty (60) day advance notice of a public hearing for consideration of any proposed adjustment. The adjusted charges shall become effective not sooner than forty five (45) days after final approval by the Marion County Board of County Commissioners.
4. COMPANY shall thereafter pay such charges as adjusted. The monthly charge shall include a base charge and a usage charge.

B. **Monthly Cost to COMPANY**.

1. **Monthly Base Facility Charge.**
   COMPANY agrees to pay COUNTY monthly for one (1) base facility (4-inch meter) charge at a rate of eighty percent (80%) of the charge identified in the approved COUNTY-wide wastewater base facility charge.
2. **Monthly Usage Rate.**
   A. COMPANY's usage shall be based upon the number of gallons of wastewater which pass through the 4-inch meter each month.
   B. The COUNTY rate shall be, subject to the adjustment set for the above, eighty percent (80%) of the commodity rate per 1,000 gallons of metered wastewater based on the approved COUNTY -wide wastewater service (gallonage) rates.

C. **Monthly Billing.**

1. **Billing.**
   a. COUNTY agrees to bill COMPANY monthly.
   b. COUNTY agrees to read COMPANY's meter and submit meter readings to COMPANY on each monthly bill.
2. **Payments.**
   a. COMPANY agrees to pay COUNTY for all wastewater flow (gallons) COUNTY receives from COMPANY's wastewater system and agrees to timely make payments of all bills received by COUNTY.
   b. COMPANY shall be solely responsible to COUNTY for payment of the monthly bills.

D. **The Meter.**

1. COMPANY may read the meter at any time to confirm accuracy of the reading.
2. The metering equipment shall be owned and maintained by COUNTY and shall record flow with an error rate not to exceed plus or minus two-percent (2%) of the full-scale reading suitable for billing purposes.
3. The Parties agree that in the event any dispute arises concerning accuracy for the wastewater meter, that either Party may have the

wastewater meter tested by an independent testing company at such Party's own expense.

a. If the meter is found to be in error exceeding two-percent (2%) of true accuracy, it shall be re-calibrated to the satisfaction of the Parties.

b. If such error or more than two-percent (2%) is discovered, bills for one-half of the preceding period since the last meter check shall be adjusted to reflect the quantity of over read or under read exceeding two-percent (2%). In calculating such billing adjustments, it will be assumed that the meter inaccuracy existed for the entire time interval between meter accuracy checks by either Party, provided, however that any such time interval shall not exceed the twelve (12) months immediately preceding the date of the written notice of the inaccuracy. The volume used in the billing calculation shall be adjusted as described herein.

ARTICLE V
COMPANY'S CONTINUED RESPONSIBILITIES

1. **COMPANY'S FACILITIES.**

A. COMPANY shall continue to own, maintain and operate all of its off-site gravity sewage collection system and force mains from the off-site sewage lift station(s) within the PSC Certificated Area to the Parcels. See outline of PSC Certificated Area on **Exhibit C** hereto.

B. The off-site system shall continue to collect and pump sewage through the existing force main to the Original Facilities and, upon COUNTY Service, to COUNTY's new on-site lift station, via an existing lift station on the treatment plant site.

2. **COMPANY'S RETAIL SERVICES.**

The Parties agree that COMPANY shall continue to provide retail sewage collection service to its customers in accordance with generally accepted public water and wastewater utility industry standards and any specific requirements of the PSC. COUNTY shall not be liable for interruptions in service caused by any system problems occurring on COMPANY's side of the meter, or events not reasonable within COUNTY's control, including force majeure, acts of God, acts of terrorists or political insurrection, and the like.

3. **COOPERATION.**

COMPANY agrees to cooperate with COUNTY in the transfer to COUNTY of any permits as may exist relating to COMPANY's Sewage Treatment Plant.

4. **COMPANY WARRANTS.**

A. **Material Term.**

The Parties acknowledge and agree that the warrants, representations, certifications, and assurances of COMPANY are a material term of this Agreement and COUNTY affirmatively relies upon same as part of the consideration in entering into this Agreement.

B. **Full Compliance.**
COMPANY warrants, represents, certifies and assures that its sewage collection system, manholes, mains and existing off-site lift station(s), the Conveyance Property, and all services it provides and has provided to its customers, comply with all applicable permits, laws, rules and ordinances as may apply to such property and services.

C. **Shall Remain Liable.**
COMPANY shall remain liable for any and all fines, penalties, damages or other liability which may exist on or before the date of transfer of the Conveyance Property to COUNTY, whether such fines, penalty, damages or other liability have been identified or are known to COMPANY as of such conveyance date.

D. **COUNTY Options to Terminate.**

1. **Immediate Termination.**
The Parties agree that COUNTY may terminate this Agreement at any time prior to Closing if any defects of any nature or type is identified by COUNTY.

2. **Opportunity to Cure.**
   a. If COUNTY discovers any title defects or environmental issues concerning the Conveyance Property before Closing, COUNTY shall immediately notify COMPANY.
   b. Upon such notice, the Closing may, at COUNTY's option, be extended by not more than 14-days to afford COMPANY the opportunity to cure any defects and/or environmental issues.
   b. If COMPANY is unable to cure the defect(s) COUNTY shall have the option to either:
      1. Take the Conveyance Property with such defect(s) or issues, or
      2. Terminate this Agreement without any further obligation or liability to COMPANY.

ARTICLE VI
THE PARTIES' WATER PROJECT

1. Contemporaneously with the Wastewater Project described above, the Parties shall be engaged in the Water Project set forth herein and generally described as COMPANY providing water services to COUNTY.

ARTICLE VII
COMPANY WHOLESALE WATER SERVICE TO COUNTY

1. **CAPACITY RESERVATION.**
COUNTY, in consideration of the payment of the fees and charges set forth below, shall have the right to reserve and utilize potable water capacity up to 200,000 GPD.

2. **CAPACITY CHARGES.**
Understanding that COUNTY is providing Bulk Wastewater Service to COMPANY where COUNTY accepted the Conveyance Property in lieu of wastewater Capacity Charges, COUNTY shall not be obligated to pay COMPANY's Capacity Charges, if any, to include any water main extension charge(s) for general service water reserved pursuant to this Agreement.

3. **BULK RATE CHARGES.**
   A. **Components.**
   COUNTY agrees that that the monthly charge shall include a base bulk charge and a usage charge as established by COMPANY's PSC approved rates.

   B. **Bulk Base Rates.**

   COUNTY agrees to pay COMPANY monthly usage rates for meter charge(s) at a rate of eighty percent (80%) of the charge identified in the approved COMPANY's usage rates.

   C. **Bulk Usage Rate.**

   The usage rate will be billed at 80% of the commodity rate per 1,000 gallons of metered water based on the approved COMPANY water service (gallonage) rates.

4. **BILLING.**
   A. COMPANY agrees to bill COUNTY monthly with the billing amount based upon the number of gallons of water which pass through the meter(s) each month.

   B. COUNTY agrees to pay for all water flow (gallons) provided by COMPANY's water system and agrees to make payments to COMPANY within thirty (30) days from the date COUNTY's receipt thereof.

   C. COUNTY shall be solely responsible to COMPANY for payment of the monthly bills.

   D. COMPANY agrees to read the meter and submit meter readings to COUNTY on each monthly bill.

   E. COUNTY may read the meter at any time to confirm accuracy of the reading.

5. **NOTIFICATION OF INTENT TO INTERCONNECT**
   A. **Notice by COUNTY.**

COUNTY may exercise its right to interconnect COUNTY's facilities with COMPANY's facilities by submitting a notification letter to COMPANY in accordance with this Section and providing:

1. Its intent to exercise its right to interconnect COUNTY's facilities with COMPANY's facilities, and

2. Specification of the quantity of potable water capacity requested as expressed in Gallons Per Day ("GPD").

B. **Verification by COMPANY.**

1. Within thirty (30) days after the date COMPANY receives a notification letter from COUNTY pursuant to Section A above, COMPANY shall verify in writing its ability to provide the requested amount of potable water required by COUNTY and transmit such verification to COUNTY in accordance with Section A hereof. The verification letter transmitted to COUNTY shall specify or designate, as appropriate:
    1. The size of connection and water, water treatment capacity (expressed as average annual GPD) that COMPANY is able to provide to COUNTY,
    2. The PSC approved wholesale capacity charge, and
    3. Approximate availability date.

C. **Shall Provide.**

COMPANY shall provide the amount of water capacity requested by COUNTY as long as such amounts are within the limits provided by this Agreement.

D. **Acceptance by COUNTY.**

1. COUNTY shall signify its acceptance of the amounts of service and rates set forth in the verification letter submitted by COMPANY by submitting, in accordance with this Section, a binding letter of acceptance along with written plans and specifications for installation of the interconnection(s). Said acceptance letter and plans and specifications shall be submitted within thirty (30) days of the date of receipt of the verification issued by COMPANY pursuant to Section B above.
2. If COUNTY fails to accept the amounts of service and rates set forth in the verification letter submitted by COMPANY, then COMPANY shall be released from any and all obligation to provide any additional potable water service to COUNTY over and above the level of capacity existing prior to the delivery of the Notice by COUNTY contemplated by Section A above.
3. The plans and specifications shall be subject to the review and approval of COMPANY, which approval is subject to the terms herein and shall not be unreasonably withheld. COMPANY shall have one year from the later of:
    a. The acceptance by COUNTY pursuant to this Section,
    b. The approval of the plans and specifications by COMPANY, and
    c. The obtaining of all permits necessary for the construction of the interconnect and the provision of water services pursuant this

Agreement, to commence providing water service described in the notice by COUNTY delivered pursuant to Section A.

E. On acceptance by COUNTY, pursuant to Section D, an approval of the plans and specifications by COMPANY, COMPANY covenants to proceed with the due diligence to obtain all necessary permits.

6. **CONSTRUCTION OF THE INTERCONNECT.**

A. **Connection Costs.**

The costs associated with the water interconnection(s) of COUNTY's facilities to COMPANY's facilities will be shared by the Parties as follows:

1. **Construction of Interconnection Facilities** – COUNTY shall, at its own expense, provide all necessary pipelines, and necessary appurtenances so as to connect COUNTY's facilities with COMPANY's facilities as is necessary to receive the water service purchased in accordance with this Agreement. COUNTY, with COMPANY's approval, shall then be responsible for performing the work associated with making the physical interconnection(s). Title to the water passes between the Parties at the outlet flange of COMPANY's water meter. Each Party shall own, operate and maintain their portion of the system up to the Point of Connection.

2. **Easements and Rights-of-Way for Interconnection** – COUNTY shall be responsible for securing at its costs all necessary easements and right-of-way necessary for the interconnection outside of COMPANY's PSC Service Area. Within COMPANY's PSC Service Area, COMPANY shall be responsible for securing, at its cost, all necessary easements and rights-of-way to allow the construction and operation of the interconnection, subject to the rights and any existing easement holders. The location and configuration of all easements and rights-of-way shall be based on the shortest route reasonably possible which will both accommodate the interconnection design and the anticipated development of the property subject to the easement.

3. **Metering.**

a. **Share Costs.**

COUNTY and COMPANY shall share in the cost of providing metering equipment as further detailed below for billing purposes and such meters shall be uni-directional (i.e., one way) so as to avoid back flow.

b. **Property of COUNTY.**

Unless otherwise agreed in a letter agreement between the Parties, upon installation and acceptance, the metering equipment shall remain the property of COMPANY, and COMPANY shall be responsible for the operation, maintenance, and replacement of the meters, unless provided otherwise herein.

c. **Water Meters.**
COUNTY shall provide at its cost one uni-directional meter for measurement of the water purchased by COUNTY under this Agreement. Such meter shall meet the standards of the American Water Works Association (AWWA) for quality and accuracy and shall be accurate to within (+/-) 2%.

d. **Meter Testing.**
COUNTY may request one accuracy test by COMPANY without charge at any time during any twelve (12) month period. COUNTY shall reimburse COMPANY for its actual costs of completing additional tests requested by COUNTY in that twelve (12) month period. Copies of the test results will be provided to COUNTY within thirty (30) days after completion of that test. If an inaccurate meter is found, as defined by the AWWA, bill adjustment will be made for one-half (1/2) of the preceding period since the last accuracy test.

e. **Meter Size and Location.**
The size of all meters shall be determined by COMPANY and shall be consistent with prudent water industry practices. The meter shall be located at COMPANY's facilities, or at such other location as mutually agreed upon by the Parties. In the event that the capacity of potable water purchased by COUNTY increases to a point that a larger meter than originally installed will be necessary, each Party will pay their cost of up-sizing the affected uni-directional flow meter(s).

4. **Permitting.**
Each Party shall obtain and maintain such permits as are necessary to operate their respective facilities. COMPANY shall obtain and maintain such consumptive water use permits as are necessary for COUNTY to consume the potable water reserved or purchased by COUNTY pursuant to this Agreement, and COUNTY shall provide to COMPANY such information as COMPANY reasonably requires to obtain and maintain such permits for the potable water reserved or purchased by COUNTY.

B. **Commencement of Service.**
COMPANY shall not be obligated to commence providing service pursuant to this Agreement until thirty (30) days after the later to occur of the Service Date, and the completion of the Interconnect.

C. **No Liability for Interruptions.**
COUNTY shall not be liable for interruptions in service caused by any system problems occurring on COMPANY's side of the meter, or events not reasonable within COUNTY's control, including force majeure, acts of God, acts of terrorists or political insurrection, and the like.

ARTICLE VIII
GENERAL TERMS

1. **AUTHORITY TO SIGN.**
COMPANY, and the signer of this Agreement on COMPANY's behalf, warrant and represent that the signatory to this Agreement, Charles DeMenzes, President of Tradewinds Utilities, Inc., is authorized to sign this Agreement on COMPANY's behalf.

2. **NOTICES.**
Any notices required by this Agreement shall be provided either by hand-delivery or U.S. Mail, certified delivery, return receipt requested, to the following addresses:

Mr. Jody C. Kirkman, P.E., Environmental Services Director
Marion County Utilities Department
11800 SE US Hwy 441
Belleview, Florida 34420

Mr. Charles DeMenzes, President
Tradewinds Utilities, Inc.
P.O. Box 5220
Ocala, Florida 34478

3. **TIME IS OF THE ESSENCE.**
Time is of the essence with respect to the performance of the Parties' obligations under this Agreement.

4. **INDEMNIFICATION.**
Up until the date of any conveyance to COUNTY of all water improvements and wastewater improvements, COMPANY will indemnify, save and hold harmless COUNTY against all liability, losses, damage or other expenses, including reasonable attorney's fees which may be imposed upon, incurred by or asserted against COUNTY by reason of any negligence on the part of COMPANY or its employees, agents, contractors, licensees or invitees; any personal injury or property damage occurring on or about the Conveyance Property or any part thereof; or any failure on the part of COMPANY to perform or comply with any covenant required to be performed or complied with, against COUNTY by reason of any such occurrences, COMPANY will, at COMPANY's expense, resist or defend any such action or proceeding. Provided further, however, COMPANY shall have no obligation with respect to claims arising out of the intentional or negligent conduct of COUNTY or its employees. The liability and immunity of COUNTY is governed by the provisions of §768.28, Florida Statutes (2009), and nothing in this Agreement is intended to extend the liability of COUNTY or to waive any immunity enjoyed by COUNTY under that statute. Any provisions of this Agreement determined to be contrary to §768.28 or to create any liability or waive any immunity except as specifically provided in §768.28 shall be considered void.

5. **FORCE MAJEURE.**
Neither Party shall be liable or responsible to the other by reason of one Party's failure or inability to take any action it is required to take or to comply with the requirements

imposed hereby for any injury to the other or by those claiming by or through the other, which failure, inability or injury is caused directly or indirectly by force majeure (as hereinafter set forth). The term "force majeure" as employed herein shall mean acts of god, strikes, lock outs, or other industrial disturbance; acts of public enemies, war, blockades, riots, acts of armed forces, militia, or public authority, epidemics, pandemics; breakdown of or damage to machinery, pumps, or pipe lines; landslides, earthquakes, fires, storms, floods, or washouts; arrests, title disputes, or other litigation; governmental restraints of any nature whether federal, state, county, municipal or otherwise, civil or military; civil disturbances; explosions, failure or inability to obtain necessary materials, supplies, labor or permits or governmental approvals whether resulting from or pursuant to existing or future rules, regulations, orders, laws or proclamations whether federal, state, county, municipal or otherwise, civil or military; or by any other causes, whether or not of the same kind as enumerated herein, not within the sole control of COUNTY and which by exercise of due diligence COUNTY is unable to overcome.

6. **PUBLIC RECORDS.**

Pursuant to the Florida Public Records Act, Chapter 119, Florida Statutes, all Parties are required to:

A. Keep and maintain public records required by the public agency to perform the service.

B. Upon request from the public agency's custodian of public records, provide the public agency with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

C. Ensure that public records that are confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law for the duration of the Agreement term and following completion of this Agreement records are not transferred to the public agency.

D. Upon completion of the Agreement, transfer at no cost to the public agency, all public records in possession of the Party or keep and maintain public records required by the public agency to perform the service. If all public records are transferred to the public agency upon completion of the Agreement, the Party shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If Party keeps and maintains public records upon completion of the Agreement, Party shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the public agency, upon request from the public agency's custodian of public records, in a format that is compatible with the information technology systems of the public agency.

E. **IF COMPANY HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO TW'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT COUNTY'S CUSTODIAN OF PUBLIC RECORDS AT:**

Office of Public Information

601 SE 25th Ave., Ocala, FL 34471
Phone: 352-438-2300 Fax: 352-438-2309
Email: PIO@MarionCountyFL.org

7. **EFFECTIVE DATE.**
This Agreement shall become effective upon the execution of this Agreement by all Parties and recordation of the Agreement at COUNTY'S code in the Public Records of Marion County, Florida.

8. **SPECIAL CONDITIONS.**

A. Upon the execution of this Agreement, the Parties agree that COUNTY will initiate the evaluation process associated with the acquisition of Tradewinds Utilities, Inc., C.F.A.T. H_2O, and BFF Corp. ("Private Systems"). The Parties agree to negotiate a fair and acceptable purchase agreement where both Parties are in full agreement of the sale and purchase of the Private Systems.

B. **Millwood.**

1. **Development.**
The Millwood Estate Project ("Millwood") is a future development being planned outside COMPANY's PSC certificated area. COUNTY seeks to provide wastewater services to Millwood. However, due to the location of Millwood, COUNTY is not able to extend the needed infrastructure from COUNTY's Facilities to Millwood. However, if Millwood were to connect to COMPANY's off-site collection system, which ultimately connects to COUNTY's Facilities, COMPANY could act as a conduit allowing COUNTY to service Millwood.

2. **Costs.**
COMPANY agrees to facilitate and act as a conduit as long as it does not cost COMPANY. The Parties recognize that COUNTY's monthly bill to COMPANY includes a bulk rate usage fee based on the number of gallons of flow that COMPANY sends through COUNTY's Facilities. If Millwood were allowed to connect to COMPANY's off-site collection system, Millwood's flow would join with COMPANY's flow (the "Joinder") resulting in an increased number of gallons registering on COMPANY's meter. This increased meter reading would increase COMPANY's bill.

3. **Correction.**
To resolve this, the Parties agree to implement the following correction. COUNTY will, in addition to the aforementioned wastewater services, also provide Millwood water services. The Parties agree that at the end of each month COUNTY will add up the number of gallons of water COUNTY sold to Millwood that month. COUNTY will then perform a calculation to determine sixty percent (60%) of the total gallons of water

COUNTY sold Millwood that month. That resulting number of gallons will then be deducted from the number of gallons of wastewater actually sent by COMPANY to COUNTY's Facilities that same month (the "Correction").

4. **Full Satisfaction.**
COMPANY specifically agrees that:
   a. Millwood may be connected to COMPANY's off-site collection system;
   b. COMPANY will act as a conduit for Millwood's flow to reach COUNTY's Facilities;
   c. The Correction resulting in a reduced number of gallons charged to COMPANY for wastewater usage will fully offset the number of gallons that Millwood will add to COMPANY's flow; and
   d. The Correction will completely and satisfactory compensate COMPANY for the Joinder.

C. COUNTY has been awarded a State Grant which is titled *Marion County Package Wastewater Plant Removal Program, Agreement No. LPS0021.* COUNTY will work with COMPANY to coordinate the central wastewater connection between COUNTY Facilities and COMPANY's on-site facilities to ultimately abandon COMPANY's Original Facilities. The Parties agree that COUNTY Facilities required to interconnect COMPANY's wastewater system to COUNTY's central wastewater system are contingent upon funding from the State Grant. Should the State Grant be terminated for any reason, COUNTY will be released from the obligation to construct COUNTY Facilities and would not be required to install the force main, lift station and ancillary equipment to support the wastewater interconnect.

9. **INDEPENDENT CONTRACTORS.**
The Parties deem each other to be Independent Contractors, and not agents of the other.

10. **E-VERIFY.**
Beginning January 1, 2021, Section 448.095, F.S., requires COMPANY to be registered and use the E-Verify system to verify the work authorization status of all newly hired employees and prohibits COMPANY from entering into this Agreement unless it is in compliance therewith. Information provided by COMPANY is subject to review for the most current version of the State or Federal policies at the time of the award of this Agreement.

A. COUNTY hereby affirms it is duly registered, uses, and adheres to the practices of the E-Verify system, including those outlined in the clauses below.

B. COMPANY has agreed to perform in accordance with the requirements of this Section and agrees:
   1. It is registered and uses the E-Verify system to verify work authorization status of all newly hired employees.
   2. COUNTY shall immediately terminate this Agreement if COUNTY has a good faith belief that COMPANY has knowingly violated Section

448.09(1), F.S., that is, that COMPANY knowingly employed, hired, recruited, or referred either for itself or on behalf of another, private or public employment within the State an alien who is not duly authorized to work by the immigration laws or the Attorney General of the United States.

3. When COMPANY enters into a contract with an employee, a contractor or a subcontractor COMPANY shall obtain from that contracting Party ("Contracting Party") an affidavit stating that the Contracting Party does not employ, contract with, or subcontract with an unauthorized alien.
4. COMPANY shall maintain a copy of such affidavit for the duration of this Agreement and provide it to COUNTY upon request.
5. COMPANY shall immediately terminate the Contracting Party if COMPANY has a good faith belief that the Contracting Party has knowingly violated Section 448.09(1), F.S., as set forth above.
6. If COUNTY has a good faith belief that COMPANY's Contracting Party has knowingly violated Section 448.09(1), F.S., but that COMPANY has otherwise complied, COUNTY shall promptly order COMPANY to terminate the Contracting Party. COMPANY agrees that upon such an order, COMPANY shall immediately terminate the Contracting Party. COMPANY agrees that if it should fail to comply with such an order, COUNTY shall immediately terminate COMPANY.
7. If COUNTY terminates this Agreement with COMPANY, COMPANY may not be awarded a public contract for a least one (1) year after the date of termination.
8. COMPANY is liable for any additional costs incurred by COUNTY as a result of a termination under this Section.
9. Any such termination under this Section is not a breach of this Agreement and may not be considered as such.
10. COMPANY shall maintain records of its registration, use, and compliance with the provisions of the E-Verify system, including the registration and use by its subcontractors, and to make such records available to COUNTY or other authorized governmental entity.
11. To comply with the terms of this Employment Eligibility Verification provision is made an express condition of this Agreement and COUNTY may treat a failure to comply as a material breach of this Agreement.

11. **SOVEREIGN IMMUNITY.**

Nothing in this Agreement shall be deemed to waive the sovereign immunity protections provided COUNTY pursuant to Florida law. Notwithstanding anything stated to the contrary in this Agreement, COUNTY's obligation to indemnify COMPANY is limited and shall not exceed the limits set forth in Section 768.28, Florida Statutes, as it may be amended from time to time. This Section shall survive the termination of this Agreement.

12. **INDEMNIFICATION.**

To the extent permitted by law, COMPANY shall indemnify, defend, and hold harmless, release, and forever discharge COUNTY and its officers, board members, employees, agents, and instrumentalities, from and against any and all fines, suits, claims, demands, penalties, liabilities, costs or expenses, losses settlements, judgments and awards and action of whatever kind or nature arising out of, relating to, or resulting from the performance of this Agreement, including a reasonable attorney's fees and costs (and a reasonable attorney's fee and costs on appeal) and damages (including, but not limited to, actual and consequential damages) arising from any negligent, willful or wrongful misconduct, knowing misrepresentation or breach of this Agreement by COMPANY, its employees, agents, or subcontractors, to the extent that any such claim, damages, loss, or expenses is caused by any acts or omissions of COMPANY or anyone directly or indirectly employed by COMPANY. COMPANY expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by COMPANY shall in no way limit the responsibility to indemnify, keep and save harmless and defend COUNTY and its officers, board members, employees, agents, and instrumentalities. This Section shall not be construed in any way to alter COUNTY's waiver of sovereign immunity or the limits established in Section 768.28, Florida Statutes.

13. **RIGHTS OF THIRD PARTIES.**

Nothing in this Agreement, whether express or implied, is intended to confer any rights or remedies under or because of this Agreement on any persons other than the Parties hereto and their respective legal representatives, successors and permitted assigns. Nothing in this Agreement is intended to relieve or discharge the obligation or liability of any third persons to any Party to this Agreement, nor shall any provision give any third persons any right of subrogation or action over or against any Party to this Agreement.

14. **WAIVER.**

No waiver or any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual right by custom, estoppel, or otherwise.

15. **SEVERABILITY.**

If any provision of this Agreement shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this Agreement is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, than such provision shall be deemed to be written, construed and enforced as so limited.

16. **APPLICABLE LAW/JURISDICTION/VENUE.**

This Agreement is being delivered in the State of Florida, and shall be construed and enforced in accordance with the laws of the State of Florida. The venue for any legal proceeding arising out of this Agreement, shall be Marion County, Florida.

17. **WAIVER OF JURY TRIAL.**

EACH PARTY HEREBY AGREES THAT IN ANY LITIGATION OR PROCEEDING, WHETHER AT LAW OR IN EQUITY, WHICH ARISES OUT OF THE AGREEMENT, WHETHER SOUNDING ON CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE, TRIAL SHALL BE HAD BY A COURT OF COMPETENT JURISDICTION AND NOT TO A JURY. EACH PARTY IRREVOCABLY WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY. EACH PARTY HAS READ AND UNDERSTANDS THE EFFECT OF THIS WAIVER.

18. **ENTIRE AGREEMENT.**

This Agreement, including exhibits, constitutes the entire agreement and understanding between the Parties with respect to the terms, conditions, representations and obligations recited herein, and any prior verbal or written understandings by and between the Parties are deemed to be merged herein and superseded by this Agreement. This Agreement may be amended by a writing of the Parties adopted by the same formalities as this Agreement.

19. **EFFECTIVE ONLY UPON PSC APPROVAL.**

This Agreement is subject to the jurisdiction of the Florida Public Service Commission and shall become effective only upon approval of the Florida Public Service Commission, COMPANY shall submit this Agreement to the Florida Public Service Commission for its approval within thirty (30) days of full execution.

[This portion of page intentionally left blank. Signature page follows.]

IN WITNESS WHEREOF, the said Parties have entered into this Agreement as of the date of the last signature below.

WITNESS: Signed before me:

Teresa J. Felde 11/9/20
Signature Date
Teresa J. Felde
Print Name

Lyle R. Titterington 11-9-2020
Signature Date
Lyle R. Titterington
Print Name

TRADEWINDS UTILITIES, INC.

By: Charles Demenzes
Its: President
Date: 11-9-2020

STATE OF FLORIDA
COUNTY OF MARION
The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 9 day of Nov, 2020, by CHARLES DEMENZES as the President of **TRADEWINDS UTILITIES, INC.** a Florida for-profit corporation.
(SEAL)

Notary Public, State of Florida

LEILANI LOCKE
MY COMMISSION # GG 314997
EXPIRES: July 21, 2023
Bonded Thru Notary Public Underwriters

___ Personally Known OR
_✓_ Produced Identification
Type of Identification Produced: FL DL D552-M9-36-271-

ATTEST:

David R. Ellspermann
Clerk of Court
Date: November 17, 2020

MARION COUNTY, a political subdivision of the State of Florida

By: Jeff Gold, Chairman
Date: November 17, 2020

For Reliance by Marion County Only, Approved as to Form and Legal Sufficiency:

E. Alt, Senior Assistant County Attorney

EXHIBIT A

LEGAL DESCRIPTION OF THE PARCELS

Parcel No. : 15840-000-02

SEC 34 TWP 14 RGE 22

Plat Book W Page 006

Trade winds village

BLK G LOT 14 & Tract B

AND

Parcel No. 15840-004-00

Spray field property

SEC 34 TWP 14 RGE 22

E ½ of N ½ of SE ¼ of NW ¼ EX W 40 ft of N 50 ft

EXHIBIT B

SKETCH OF PARCELS

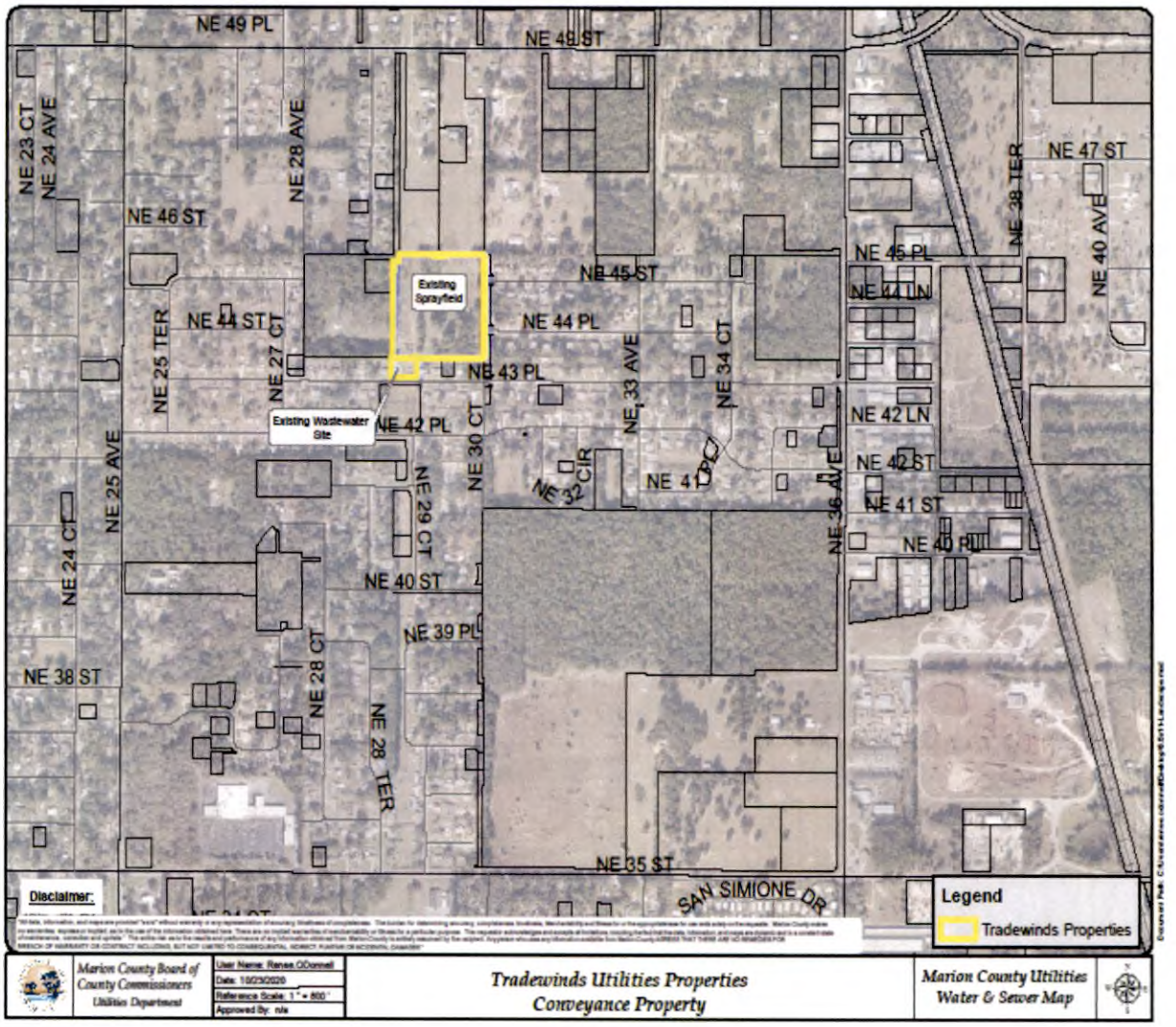
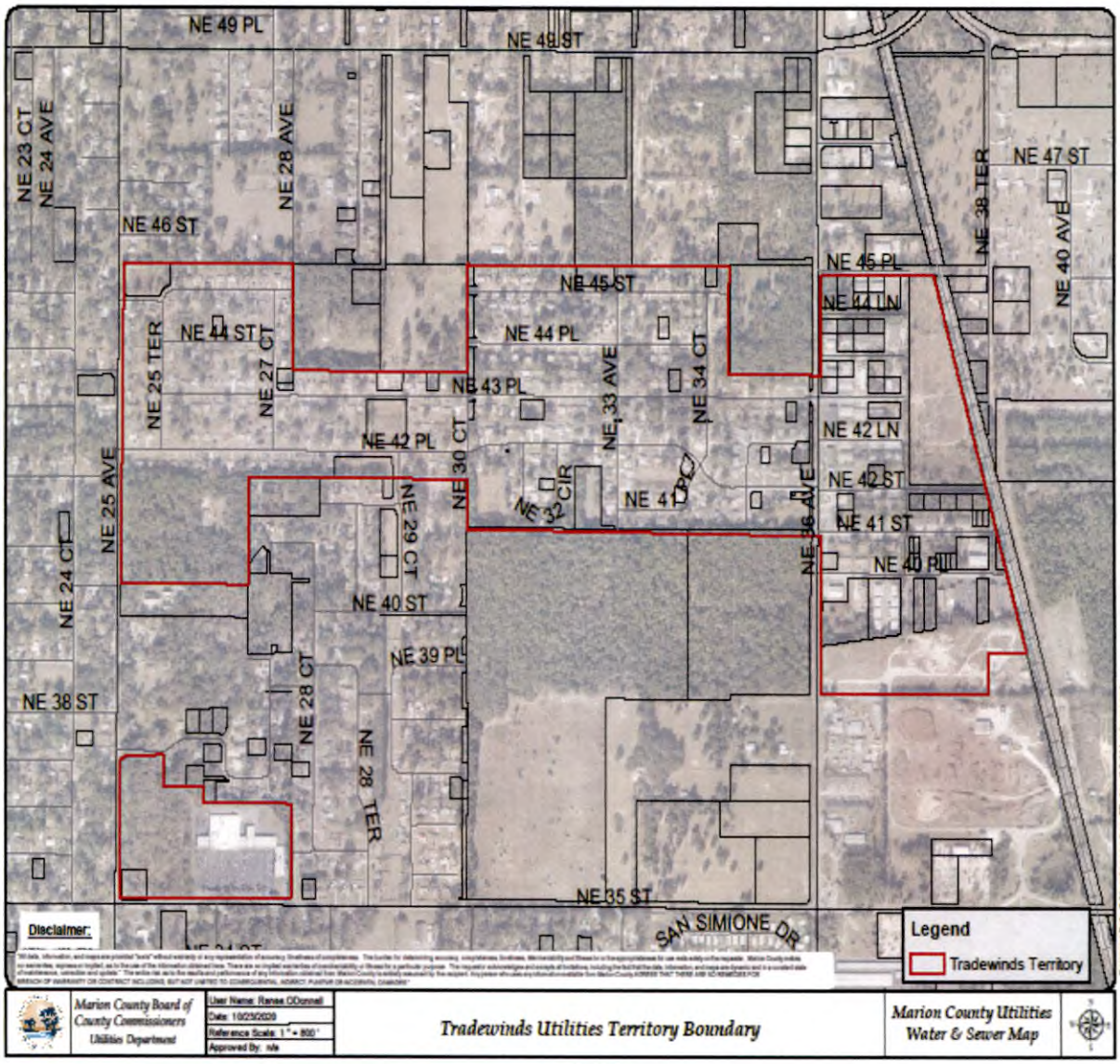


EXHIBIT C

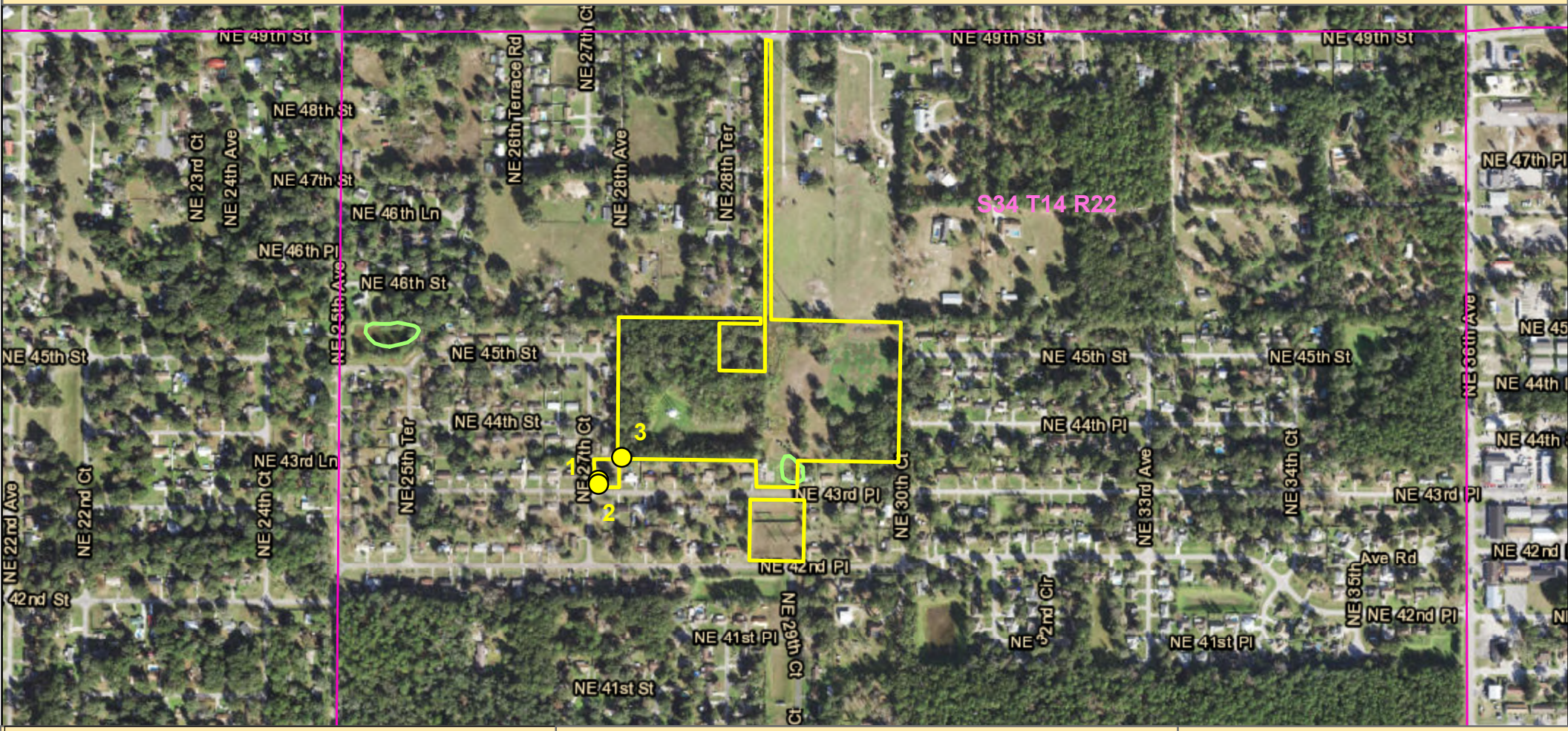
OUTLINE OF PSC CERTIFICATED AREA



ATTACHMENT C

Aerial Property and Well Map

Property and Well Locations
Tradewinds Utilities, Inc.
CUP 2995-6 Modification
Marion County



Legend

- Wells
- Property Boundary
- FL_Wetlands
- Section Township Range

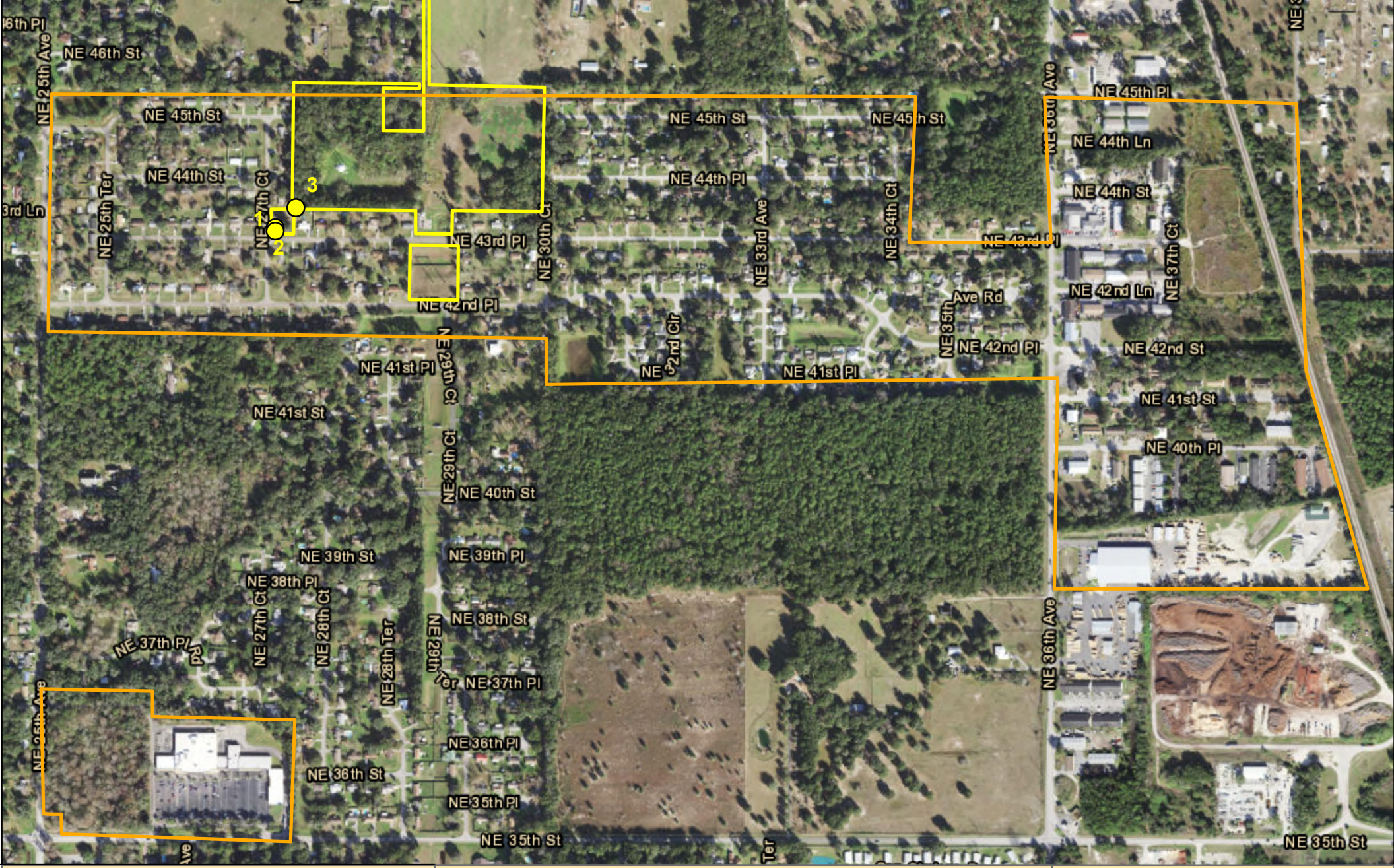
0 1,000 2,000 Feet

N

Andreyev Engineering, Inc.

1993 25th ANNIVERSARY 2018

Drawn by VJB
11/9/2021



Legend

- Service Area
- Wells
- Property Boundary

0 1,000 2,000 Feet

N

Andreyev Engineering, Inc.

1993 25 2018 ANNIVERSARY

Drawn by VJB
9/8/2021

ATTACHMENT D

Pumping Report Analysis, and Tables A, B and C

CUP 2995-6 Modification
Tradewinds Utilities, Inc.

PUMPING REPORT ANALYSIS

MO/YR	MONTHLY PUMPING GAL	YEARLY TOTAL GAL	AN AVG DAY GPD
Jan-16	3179000		
Feb-16	2836000		
Mar-16	2928000		
Apr-16	3029000		
May-16	3842000		
Jun-16	2791000		
Jul-16	2814000		
Aug-16	2929000		
Sep-16	3892000		
Oct-16	4073000		
Nov-16	3874000		
Dec-16	**4020000**	**40,207,000**	**110,156**
Jan-17	3050000		
Feb-17	2319000		
Mar-17	2937000		
Apr-17	2929000		
May-17	2933000		
Jun-17	2297000		
Jul-17	2547000		
Aug-17	2119000		
Sep-17	2284000		
Oct-17	2393000		
Nov-17	3029000		
Dec-17	**1724000**	**30,561,000**	**83,729**
Jan-18	2862000		
Feb-18	2456000		
Mar-18	3831000		
Apr-18	2136000		
May-18	2074000		
Jun-18	1347000		
Jul-18	1626000		
Aug-18	2475000		
Sep-18	2930000		
Oct-18	2653000		
Nov-18	2076000		
Dec-18	**2549000**	**29,015,000**	**79,493**
Jan-19	2355000		
Feb-19	2533000		
Mar-19	2912000		
Apr-19	2624000		
May-19	3254000		
Jun-19	2420000		
Jul-19	3433000		
Aug-19	3638000		
Sep-19	2687000		
Oct-19	2428000		
Nov-19	2499000		
Dec-19	**3092000**	**33,875,000**	**92,808**
Jan-20	2542000		
Feb-20	2919000		
Mar-20	3691000		
Apr-20	2748000		
May-20	3560000		
Jun-20	3499000		
Jul-20	4646000		
Aug-20	3555000		
Sep-20	2990000		
Oct-20	2120000		
Nov-20	2413000		
Dec-20	**2626000**	**37,309,000**	**102,216**

CUP 2995-6 Modification
Tradewinds Utilities, Inc.

TABLE A ORIGINAL UTILITY SERVICE AREA ONLY RESIDENTIAL USE

% PER YEAR GROWTH	YEAR	AN # RES CONN	RES POP SERVED	RES USE AVG DAY GPD	UNIFORM RES PER CAPITA USE GPCD	5 YEAR AVG GPCD
	2016	536	1,179	58,425	49.55	
3.92	2017	557	1,225	56,460	46.07	
3.59	2018	577	1,269	54,672	43.07	
-2.43	2019	563	1,239	57,915	46.76	
5.15	2020	592	1,302	60,001	46.07	46.30364
5.20	2021	623	1,370	63,026	46.00	
5.20	2022	655	1,441	66,303	46.00	
5.20	2023	689	1,516	69,751	46.00	
5.20	2024	725	1,595	73,378	46.00	
5.20	2025	763	1,678	77,194	46.00	
5.20	2026	802	1,765	81,208	46.00	
5.20	2027	844	1,857	85,430	46.00	
5.20	2028	888	1,954	89,873	46.00	
5.20	2029	934	2,055	94,546	46.00	
5.20	2030	983	2,162	99,463	46.00	
5.20	2031	1,034	2,275	104,635	46.00	
5.20	2032	1,088	2,393	110,076	46.00	
5.20	2033	1,144	2,517	115,800	46.00	
5.20	2034	1,204	2,648	121,821	46.00	
5.20	2035	1,266	2,786	128,156	46.00	

POP. WITH WHOLESALE Q

PROJ WS POP	POP WITH WS POP	RES USE AVG DAY GPD
	n/a	
	n/a	
	n/a	
	n/a	
	n/a	
	n/a	
132	1,573	64,508
264	1,780	72,993
396	1,991	81,638
528	2,206	90,451
660	2,425	99,441
704	2,561	105,008
704	2,658	108,968
704	2,759	113,133
704	2,866	117,515
704	2,979	122,125
704	3,097	126,975
704	3,221	132,077
704	3,352	137,444
704	3,490	143,090

CUP 2995-6 Modification
Tradewinds Utilities, Inc.

TABLE B UTILITY SERVICE AREA AND EXPORT POPULATION INCLUDED

YEAR	RES USE MGD	COMM USE MGD	REC/LS USE MGD	EXPORTS AVG DAY MGD	UTIL USE AVG DAY MGD	UTIL LOSS AVG DAY MGD	TREAT. LOSS AVG DAY MGD	RAW WATER AVG DAY MGD
2016	0.058	0.020	0.0005	0	0.020	0.010	0.001	0.110
2017	0.056	0.018	0.0005	0	0.006	0.002	0.001	0.084
2018	0.055	0.018	0.0005	0	0.004	0.001	0.001	0.079
2019	0.058	0.016	0.0005	0	0.010	0.006	0.001	0.092
2020	0.060	0.015	0.0005	0	0.020	0.006	0.001	0.102
2021	0.063	0.019	0.000	0.000	0.016	0.005	0.001	0.105
2022	0.065	0.020	0.000	0.018	0.020	0.006	0.001	0.130
2023	0.073	0.020	0.000	0.036	0.026	0.008	0.001	0.164
2024	0.082	0.021	0.000	0.054	0.031	0.009	0.001	0.198
2025	0.090	0.021	0.000	0.072	0.037	0.011	0.001	0.233
2026	0.099	0.022	0.000	0.090	0.042	0.013	0.001	0.267
2027	0.105	0.022	0.000	0.096	0.045	0.013	0.001	0.282
2028	0.109	0.022	0.000	0.096	0.045	0.014	0.001	0.288
2029	0.113	0.023	0.000	0.096	0.046	0.014	0.001	0.294
2030	0.118	0.023	0.000	0.096	0.047	0.014	0.001	0.299
2031	0.122	0.024	0.000	0.096	0.048	0.015	0.001	0.306
2032	0.127	0.024	0.000	0.096	0.049	0.015	0.001	0.312
2033	0.132	0.024	0.000	0.096	0.051	0.015	0.001	0.319
2034	0.137	0.025	0.000	0.096	0.052	0.015	0.001	0.326
2035	0.143	0.025	0.000	0.096	0.053	0.016	0.001	0.334

PERCENT BASED UPON AUDITS

% UTIL USE	% LOSS
18.13	9.07
7.12	2.37
5.08	1.27
10.92	6.55
19.53	5.86

CUP 2995-6 Modification
Tradewinds Utilities, Inc.

TABLE C

YEAR	RAW WATER AVG DAY MGD	SOURCE NAME MGD
2016	0.110	UP FL
2017	0.084	UP FL
2018	0.079	UP FL
2019	0.092	UP FL
2020	0.102	UP FL
2021	0.096	UP FL
2022	0.130	UP FL
2023	0.164	UP FL
2024	0.198	UP FL
2025	0.233	UP FL
2026	0.267	UP FL
2027	0.282	UP FL
2028	0.288	UP FL
2029	0.294	UP FL
2030	0.299	UP FL
2031	0.306	UP FL
2032	0.312	UP FL
2033	0.319	UP FL
2034	0.326	UP FL
2035	0.334	UP FL

ATTACHMENT E

Millwood Development Growth Rate Analysis

CUP 2995-6 MODIFICATION **TRADWINDS UTLITIES, INC.**

Growth Calculations for the Proposed Development Millwood Estates
BUILD OUT OF 320 HOMES IS EXPECTED IN 6 YEARS

YEAR	NO. OF HOMES	PERSONS PER HOME	PROJ. POP.	PER CAPITA USE RATE	AN AVG MGD
2022	60	2.2	132	120	0.016
2023	120	2.2	264	120	0.032
2024	180	2.2	396	120	0.048
2025	240	2.2	528	120	0.063
2026	300	2.2	660	120	0.079
2027	320	2.2	704	120	0.084

ATTACHMENT F

Current Tradewinds Utilities, Inc. Rate Structure

COMMISSIONERS:
GARY F. CLARK, CHAIRMAN
ART GRAHAM
ANDREW GILES FAY
MIKE LA ROSA
GABRIELLA PASSIDOMO

STATE OF FLORIDA

DIVISION OF ECONOMICS
JUDY HARLOW
DIRECTOR
(850) 413-6410

Public Service Commission

September 9, 2021

Mr. Charles de Menzes
Tradewinds Utilities, Inc.
Post Office Box 5220
Ocala, FL 34478-5220

WS-2021-0066

Re: Application for 2021 Price Index Rate Adjustment for Tradewinds Utilities, Inc. for water & wastewater in Marion County.

Dear Mr. de Menzes:

The following tariff sheets have been approved effective September 1, 2021:

Water Tariff	**Wastewater Tariff**
Sixth Revised Sheet No. 12.0	**Sixth Revised Sheet No. 12.0**
Sixth Revised Sheet No. 13.0	**Sixth Revised Sheet No. 13.0**

Please incorporate these tariff sheets into the approved tariffs on file at the utility's office. If you have any questions, please contact Malissa Bennett at (850) 413-6822 at our office.

Sincerely,

Judy Harlow
Director

JH:js
Enclosures

GENERAL SERVICE

RATE SCHEDULE (GS)

AVAILABILITY - Available throughout the area served by the Company.

APPLICABILITY - For water service to all Customers for which no other schedule applies.

LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD – Monthly

RATE –

Meter Sizes	Base Facility Charge
5/8" x 3/4"	$ 10.30
1"	$ 25.75
1 1/2"	$ 51.50
2"	$ 82.40
3"	$ 164.80
4"	$ 257.50
6"	$ 515.00
8"	$ 824.00
Charge per 1,000 gallons	$ 4.15

MINIMUM CHARGE – Base Facility Charge

TERMS OF PAYMENT – Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a Customer is delinquent in paying the bill for water service, service may then be discontinued.

EFFECTIVE DATE – September 1, 2021

TYPE OF FILING – 2021 Price Index

RESIDENTIAL SERVICE

RATE SCHEDULE (RS)

AVAILABILITY – Available throughout the area served by the Company.

APPLICABILITY – For water service for all purposes in private residences and individually metered apartment units.

LIMITATIONS – Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD – Monthly

RATE –

Meter Sizes	Base Facility Charge
5/8" x 3/4"	$ 10.30
1"	$ 25.75
1 1/2"	$ 51.50
2"	$ 82.40
3"	$ 164.80
4"	$ 257.50
6"	$ 515.00
8"	$ 824.00

Charge per 1,000 gallons	
0 – 5,000 gallons	$ 3.45
5,001 – 10,000 gallons	$ 5.20
Over 10,000 gallons	$ 6.51

MINIMUM CHARGE – Base Facility Charge

TERMS OF PAYMENT – Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a Customer is delinquent in paying the bill for water service, service may then be discontinued.

EFFECTIVE DATE – September 1, 2021

TYPE OF FILING – 2021 Price Index

GENERAL SERVICE

RATE SCHEDULE (GS)

AVAILABILITY - Available throughout the area served by the Company.

APPLICABILITY - For wastewater service to all Customers for which no other schedule applies.

LIMITATIONS - Subject to all of the Rules and Regulations of this tariff and General Rules and Regulations of the Commission.

BILLING PERIOD - Monthly

RATE -

Meter Sizes	Base Facility Charge
5/8" x 3/4"	$ 24.07
1"	$ 60.18
1 1/2"	$ 120.35
2"	$ 192.56
3"	$ 385.12
4"	$ 601.75
6"	$ 1,203.50
8"	$ 1,925.60
Charge per 1,000 gallons	$ 7.71

MINIMUM CHARGE - Base Facility Charge

TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a Customer is delinquent in paying the bill for wastewater service, service may then be discontinued.

EFFECTIVE DATE - September 1, 2021

TYPE OF FILING - 2021 Price Index

RESIDENTIAL SERVICE

RATE SCHEDULE (RS)

AVAILABILITY - Available throughout the area served by the Company.

APPLICABILITY - For wastewater service for all purposes in private residences and individually metered apartment units.

LIMITATIONS - Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.

BILLING PERIOD - Monthly

RATE -

Meter Sizes	Base Facility Charge
All Meter Sizes	$ 24.07
Charge per 1,000 gallons 10,000 gallon cap	$ 6.43

MINIMUM CHARGE - Base Facility Charge

TERMS OF PAYMENT - Bills are due and payable when rendered. In accordance with Rule 25-30.320, Florida Administrative Code, if a Customer is delinquent in paying the bill for wastewater service, service may then be discontinued.

EFFECTIVE DATE - September 1, 2021

TYPE OF FILING - 2021 Price Index

ATTACHMENT G

FDEP Water Treatment Plant Inspection Report

FLORIDA DEPARTMENT OF
Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD., SUITE 232
ORLANDO, FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

June 10, 2020

Charles Demenzes, Owner
Tradewinds Utilities Inc.
NE 43rd Pl. & 27th Ct.
Ocala, FL 34478
charlie@altfo.com

Re: Tradewinds Village
PW Facility ID #3424620
Marion County

Dear Mr. Demenzes:

Department personnel conducted an inspection of the above-referenced facility on May 22, 2020. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records, and any non-compliance items which may have been identified at the time of the inspection have been corrected.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Amada Fernandez at 407-897-4159 or via e-mail at Amada.M.Fernandez@FloridaDEP.gov.

Sincerely,

Jill Farris, Manager
Central District
Florida Department of Environmental Protection

Enclosure: Inspection Report

cc: Amada Fernandez and Jill Farris, FDEP
UTILITIESMANAGEMENTTEAM@GMAIL.COM
Steve McGee, SMCGEE1953@YAHOO.COM

State of Florida
Department of Environmental Protection
Central District

SANITARY SURVEY REPORT

Plant Name **TRADEWINDS VILLAGE** County Marion PWS ID # **3424620**
Plant Location NE 43rd Place and NE 27th Court, Ocala, FL 34478 Phone 352-622-4949
Owner Name Tradewinds Utilities Inc. Phone 352-622-4949
Owner Address P.O. Box 5220, Ocala, FL 34478
Contact Person Charles Demenzes Title President Phone 352-622-4949
This Survey Date 5/22/20 Last Survey Date 7/13/17 Last Compliance Inspection Date 7/31/08

PWS TYPE: Community

PLANT CATEGORY & CLASS: 5C

MAX-DAY DESIGN CAPACITY: 950,000 gpd

PWS STATUS: Approved

TREATMENT PROCESSES IN USE
Hypochlorination

SERVICE AREA CHARACTERISTICS
Subdivision
Food Service: ☐ Yes ☐ No ☒ N/A

Number of Service Connections 375
Population Served 1,313 Basis Operator

OPERATION & MAINTENANCE LOG: Yes
Location Plant
Comments

CERTIFIED OPERATOR: Yes
Operator(s) & Certification Class-Number:
Steve McGee C-1854

Hrs/day: *Required* Visit* *Actual* Visit*
Days/wk: *Required* 5+1 *Actual* 5+1
Non-consecutive Days? ☐ Yes ☐ No ☒ N/A
Comments *Visit must total 0.6 hr/week

MONTHLY OPERATION REPORTS (MORs)
MORs submitted regularly? ☒ Yes ☐ No ☐ N/A
Data missing from MORs? ☒ No ☐ Yes ☐ N/A
Average Day (from MORs) 91,640 gpd
Maximum Day (from MORs) 250,000 gpd
Comments

Flow Measuring Device Flow Meter
Meter Size & Type 8" Water Specialties
Date Last Calibrated Unknown

RAW WATER SOURCE
☒ GROUND; Number of Wells 3
☐ PURCHASED from PWS ID #
☐ Emergency Water Source
Emergency Water Capacity

STANDBY POWER SOURCE: Yes
Source MQ Diesel - MQP30IZ
Capacity of Standby (kW) 100
Switchover: ☒ Automatic ☐ Manual
Hrs Operated Under Load 4 hrs/mo.
What equipment does it operate?
☒ Well Pumps Backup wells
☐ High Service Pumps
☒ Treatment Equipment All
Satisfy avg. daily demand? ☒Yes ☐No ☐Unknown
Audio-visual alarm? ☒Yes ☐No
Comments

PLANS AND MAPS

Coliform Sampling Plan	☒ Yes	☐ No	☐ N/A
D/DBP Monitoring Plan	☒ Yes	☐ No	☐ N/A
Lead and Copper Plan	☒ Yes	☐ No	☐ N/A
Distribution System Map	☒ Yes	☐ No	☐ N/A
Emergency Response Plan	☒ Yes	☐ No	☐ N/A

Comments

PREVENTIVE MAINTENANCE/O&M

Operation & Maintenance Manual	☒ Yes	☐ No	
Preventive Maintenance Program	☒ Yes	☐ No	☐ N/A
Flushing Program	☒ Yes	☐ No	☐ N/A
Records	☒ Yes	☐ No	☐ N/A
Isolation Valve Exercise	☒ Yes	☐ No	☐ N/A
Records	☒ Yes	☐ No	☐ N/A

Comments

CROSS CONNECTION CONTROL
BFPAs None noted # Tested Unknown
WWTP RPZ Yes Date Tested Unknown
Written Plan Yes Date Unknown
Comments

PWS ID # 3424620
Date 5/22/20

GROUND WATER SOURCE

Well Number (Florida Unique Well ID #)		1 (AAG9349)	2 (AAG9348)	3 (AAG9347)	
Year Drilled		1983	1983	1991	
Depth Drilled		285’	140’	164’	
Drilling Method		Rotary	Rotary	Rotary	
Type of Grout		Neat cement	Neat cement	Neat cement	
Static Water Level		23’	23’	23’	
Pumping Water Level		Unknown	Unknown	Unknown	
Design Well Yield		Unknown	Unknown	Unknown	
Test Yield		Unknown	Unknown	Unknown	
Actual Yield (if different than rated capacity)		Unknown	Unknown	Unknown	
Strainer		Unknown	Unknown	Unknown	
Length (outside casing)		105’	111’	88’	
Diameter (outside casing)		6”	6”	10”	
Material (outside casing)		Black steel	Black steel	Black steel	
Well Contamination History		None	None	None	
Is inundation of well possible?		No	No	No	
6’ X 6’ X 4” Concrete Pad		Yes	Yes	Yes	
SET BACKS	Septic Tank	N/A	N/A	N/A	
	Reuse Water	N/A	N/A	N/A	
	WW Plumbing	>100’	>100’	>100’	
	Other Sanitary Hazard	None observed	None observed	None observed	
PUMP	Type	Submersible	Submersible	Vertical turbine	
	Manufacturer Name	Sta-Rite	Sta-Rite	Goulds	
	Model Number	Unknown	Unknown	Unknown	
	Rated Capacity (gpm)	185	185	950	
	Motor Horsepower	10	10	75	
Well casing 12” above grade?		Yes	Yes	Yes	
Well Casing Sanitary Seal		OK	OK	OK	
Raw Water Sampling Tap		Yes*	Yes	Yes	
Above Ground Check Valve		Yes	Yes	Yes	
Security		Yes	Yes	Yes	
Well Vent Protection		Yes	Yes	Yes	

COMMENTS Well 1 and 2 serve as back-up wells. *Well 2 had threaded raw tap. Well 3 had algae on pump and wellpad.

PWS ID # 3424620
Date 5/22/20

CHLORINATION (Disinfection)
Type: ☐ Gas ☒ Hypo
Make (2) Chem-Tech Capacity 30 gpd
Chlorine Feed Rate 80% stroke
Avg. Amount of Cl_2 gas used N/A
Chlorine Residuals: Plant 0.69 Remote 0.53
Remote tap location Terry's Sports Bar & Grill
DPD Test Kit: ☐ On-site ☒ With operator
☐ None ☐ Not Used Daily
Injection Points Prior to elevated tank
Booster Pump Info N/A
Comments

Chlorine Gas Use Requirements	YES	NO	Comments
Dual System	☐	☐	
Auto-switchover	☐	☐	
Alarms:			
Loss of Cl_2 capability	☐	☐	
Loss of Cl_2 residual	☐	☐	
Cl_2 leak detection	☐	☐	
Scale	☐	☐	
Chained Cylinders	☐	☐	
Reserve Supply	☐	☐	
Adequate Air-pak	☐	☐	
Sign of Leaks	☐	☐	
Fresh Ammonia	☐	☐	
Ventilation	☐	☐	
Room Lighting	☐	☐	
Warning Signs	☐	☐	
Repair Kits	☐	☐	
Fitted Wrench	☐	☐	
Housing/Protection	☐	☐	

AERATION (Gases, Fe, & Mn Removal)
Type Capacity
Aerator Condition
Visible Algae Growth
Protective Screen Condition
Frequency of Cleaning
Date Last Inspected/Cleaned
Comments

STORAGE FACILITIES
(G) Ground (C) Clearwell (E) Elevated
(B) Bladder (H) Hydropneumatic / flow-through

Tank Type/Number	H1/ft	H2/ft*	E
Capacity (gal)	5,000	10,000	200,000
Material	Steel	Steel	Steel
Gravity Drain	Yes	Yes	Yes
By-Pass Piping	Yes	Yes	Yes
Protected Openings	Yes	Yes	Yes
Sight Glass or Level Indicator	Yes	Yes	Yes
PRV/ARV	PRV	PRV	None
Pressure Gauge	No	No	Yes
On/Off Pressure	N/A	N/A	40/60'
Access Secured	Yes	Yes	Yes
Access Manhole	Yes	Yes	Yes
Tank Sample Tap Location	On tank	On tank	Discharge piping
Date of Inspection	N/A	N/A	12/19
Date of Cleaning	N/A	N/A	12/19

Comments H1 and H2 offline since about 2015.

HIGH SERVICE PUMPS

Pump Number		
Type		
Make		
Model		
Capacity (gpm)		
Motor HP		
Date Installed		

Comments

DEFICIENCIES:

Areas of Concern	Rule	Corrective Action	Date Corrected	Significant Deficiency?
Vertical turbine pump and well pad had biogrowth.	62-555.350(2)	Thoroughly clean.	6/2/20 – Debbie Dillon stated in an email that algae growth had been treated with chlorine and removed.	No
Raw sample tap is threaded. [Well 2 had threaded raw tap.]	62-555.320(8)(b)2	Provide a downward opening, smooth-nosed raw water sampling tap with no threads, at least 12" above well pad, located before the check valve if possible & before all treatment facilities & chemical application points.	6/2/20 – Debbie Dillon stated in an email that the threaded tap had been trimmed and was no longer threaded.	No
No record that the calibration of the finished-drinking-water flow meter has been checked.	62-555.350(2)	The calibration of finished-drinking-water flow meters should be checked at least once every 5 years.	6/4/20 – Flow meter calibration was completed 6/4/20.	No

MONITORING REMINDER:

- Nitrate and nitrite samples are required to be collected from the point of entry (POE) to the distribution system annually. The 2020 results have not been received.
- The consumer confidence report (CCR) must be delivered to consumers and the Department no later than July 1, 2020, and certification of delivery of the CCR must be submitted to the Department no later than August 10, 2020.
- Monitoring schedules are available on the Central District's Drinking Water site:

https://floridadep.gov/central/central/content/resources-drinking-water-facilities-and-operators-central-district

COMMENTS:

- Contact FRWA (Florida Rural Water Association) at 850-668-2746, or frwa@frwa.net, for free technical assistance with your system. FRWA has extended benefits offered to members.
- Provide documentation that the finished-drinking-water meter has been calibrated at least every 5 years.

  Checking the calibration of finished-drinking-water meters at treatment plants shall be performed in accordance with the equipment manufacturer's recommendations or in accordance with a written preventive maintenance program established by the supplier of water. [Rule 62-555.350(2), F.A.C.]
- Suppliers of water shall submit written notification to the Department before beginning work or alterations to the public water system. Each notification shall be submitted to the appropriate Department of Environmental Protection District Office or Approved County Health Department and shall include the following: a description of the scope, purpose, and location of the work or alterations; and assurance that the work or alterations will comply with

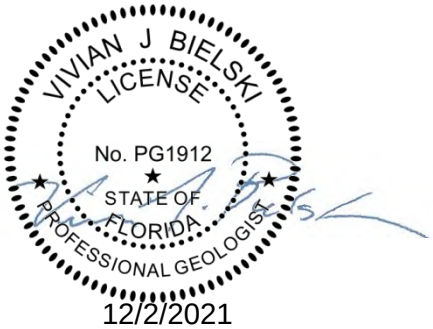
applicable requirements listed in Rule 62-555.330, F.A.C. Suppliers of water may begin such work or alterations 14 days after providing notification to the Department unless they are advised by the Department that the notification is incomplete or that a construction permit is required.

- Suppliers of water shall telephone the SWO at 1-800-320-0519 immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system. [Rule 62-555.350(10)(a), F.A.C.]
- Suppliers of water shall telephone, and speak directly to a person at, the appropriate DEP District Office as soon as possible, but never later than noon of the next business day, in the event of any of the following emergency or abnormal operating conditions:
  - The occurrence of any abnormal color, odor, or taste in a public water system's raw or finished water;
  - The failure of a public water system to comply with applicable disinfection requirements; or
  - The breakdown of any water treatment or pumping facilities, or the break of any water main, in a public water system if the breakdown or break is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(b), F.A.C.]
- Suppliers of water shall notify affected water customers in writing or via telephone, newspaper, radio, or television; and telephone, and speak directly to a person at, the appropriate DEP District Office by no later than the previous business day before taking PWS components out of operation for planned maintenance or repair work if the work is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(d), F.A.C.]
- Suppliers of water shall issue precautionary “boil water” notices as required or recommended in the Department of Health’s “Guidelines for the Issuance of Precautionary Boil Water Notices” as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(11), F.A.C.]

amada fernandez	
Inspector Signature	*Reviewer Signature*
Amada Fernandez	Jill Farris
Printed Name	*Printed Name*
Environmental Specialist II	Environmental Manager
Title	*Title*
6/10/20	6/10/20
Date	*Date*

ATTACHMENT H

Impact Analysis and Predicted Drawdown Contour Maps



12/2/2021

HYDROGEOLOGIC IMPACT ANALYSIS

TRADEWINDS UITLITIES, INC.
MARION COUNTY
MODIFICATION APPLICATION CUP 2995-6

Prepared by Vivian J. Bielski, P.G.
Professional Geologist License No. PG 0001912
Andreyev Engineering, Inc.
December 2, 2021

Prepared for

TRADEWINDS UTILITIES, INC.

ABSTRACT

An analyses was performed to predict the potential for impacts resulting from withdrawals at the Tradewinds Utilities, Inc. site, located on the east side of NE 28th Avenue in North Central Marion County, approximately 3 miles northeast of Ocala and 3 miles northwest of Silver Spring. This impact analysis was performed to demonstrate compliance with District rules regarding potential impacts. The Minimum Flow and Level (MFL) site of concern to the District is Silver Spring located as indicated above.

Due to the fact that the St. Johns River Water Management District's (SJRWMD's) East Central Florida Regional Map does not include the area of this project, the Southwest Florida Water Management District's (SWFWMD's) DWRM3 2018 version regional model was used for the modeling scenarios to predict the potential for impacts. The SWFWMD's regional model is a 6-layer model. Layer one represents the surficial aquifer, layers two and three represent the intermediate aquifer which is not present in this area, layer 4 represents the top of the upper Floridan aquifer flow, layer 5 represents the lower portion of the upper Floridan aquifer flow, and layer 6 represents the lower Floridan aquifer which is not included in this analysis. No changes were made to the model flow parameters in the DWRM3 Regional Model and no additional recharge resulting from the irrigation was included. This regional model includes permitted wells from the SJRWMD in the boundaries of the model.

The proposed total Annual Average Day well withdrawal of 332,000 gallons per day (gpd), requested for this permit modification, was included in layers 4 and 5 of the model, which represents the Upper Floridan aquifer. The wells are cased and open to the upper Floridan aquifer. The results of model indicate that the predicted drawdown in the surficial aquifer and the upper Floridan aquifer is less than 0.006 feet and the predicted drawdown at Silver Spring is less than 0.002 feet. The location of Silver Spring is shown the drawdown contour maps included in the attachment to this report. Therefore, the withdrawal rates proposed for this permit application meet the conditions for issuance in accordance with Chapter 40C-4.301, Florida Administrative Codes (F.A.C.).

SPECIFIC HYDROGEOLOGIC IMPACT ANALYSIS OF THE AQUIFER SYSTEMS

Surficial Aquifer System

The predicted impact in the surficial aquifer resulting from the total AAD withdrawal in the upper Floridan aquifer from the existing well is less than 0.006 feet, less than 0.006 feet at the nearest surface water feature, and less than 0.002 feet at Silver Spring. Please see **Attachment 1** for the drawdown contour map of the predicted impacts in the surficial aquifer. It is therefore the opinion of this Professional Geologist, that the withdrawal rates proposed for this permit application meet the conditions for issuance in accordance with Chapter 40C-2.301, Florida Administrative Codes (F.A.C.) with regard to the surficial aquifer systems.

Upper Floridan Aquifer System – Layer 4 (top portion of the upper Floridan aquifer)

The predicted impact in the upper Floridan aquifer resulting from the total AAD withdrawal in the upper Floridan aquifer from the existing well is less than 0.006 feet, less than 0.006 feet at the nearest surface water feature, and less than 0.002 feet at Silver Spring. Please see **Attachment 1** for the drawdown contour map of the predicted impacts in the two layers of the upper Floridan aquifer. It is therefore the opinion of this Professional Geologist, that the withdrawal rates proposed for this permit application meet the conditions for issuance in accordance with Chapter 40C-2.301, Florida Administrative Codes (F.A.C.) with regard to the upper Floridan aquifer systems.

CONCLUSIONS

Based upon the predicted impacts resulting from the proposed AAD withdrawals from the upper Floridan aquifer, the fact that the regional model does not account for the usual recharge occurring from use and storage of water on the surface, it is the opinion of this Professional Geologist, that the requested quantities meet the conditions for issuance in accordance with Chapter 40C-4.301, Florida Administrative Codes (F.A.C.).

REFERENCES:

USGS, 1988, A Modular Three-Dimensional Finite-Difference Ground-Water Flow Model, Book 6.

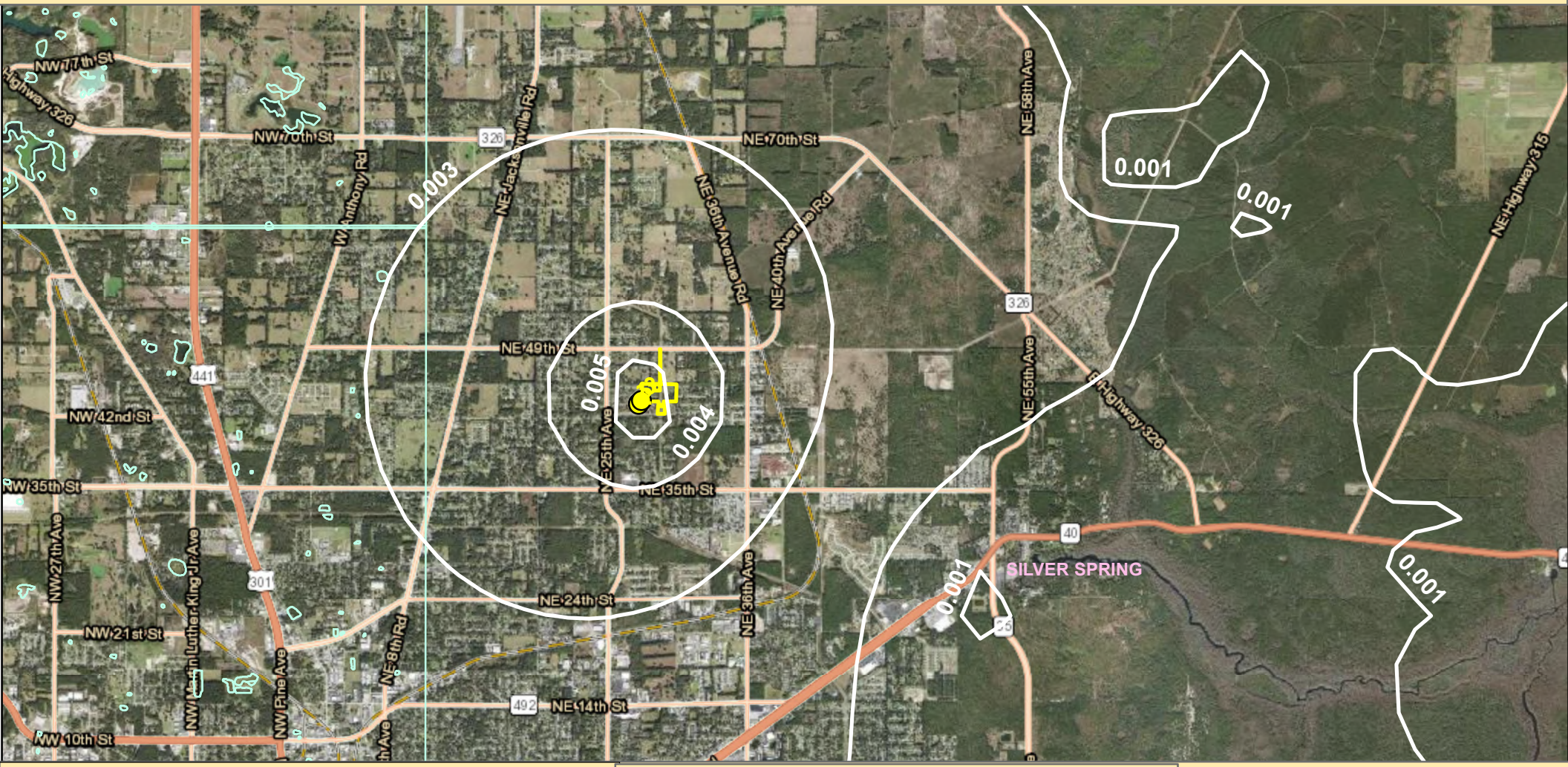
ESI, April 2015, Development of the District Wide Regulation Model for the Southwest Florida Water Management District.

SWFWMD, 1987, Ground-Water Resource Availability Inventory: Marion County, Florida

ATTACHMENT A

Drawdown Contour Maps (3)

Surficial Aquifer (Layer 1) Drawdown Contours
Tradewinds Utilities, Inc.
CUP 2995-6 Modification
Marion County



Legend

- Surficial Aquifer DD Contours
- Wells
- Property Boundary
- National Wetlands Inventory

0 5,000 10,000 Feet

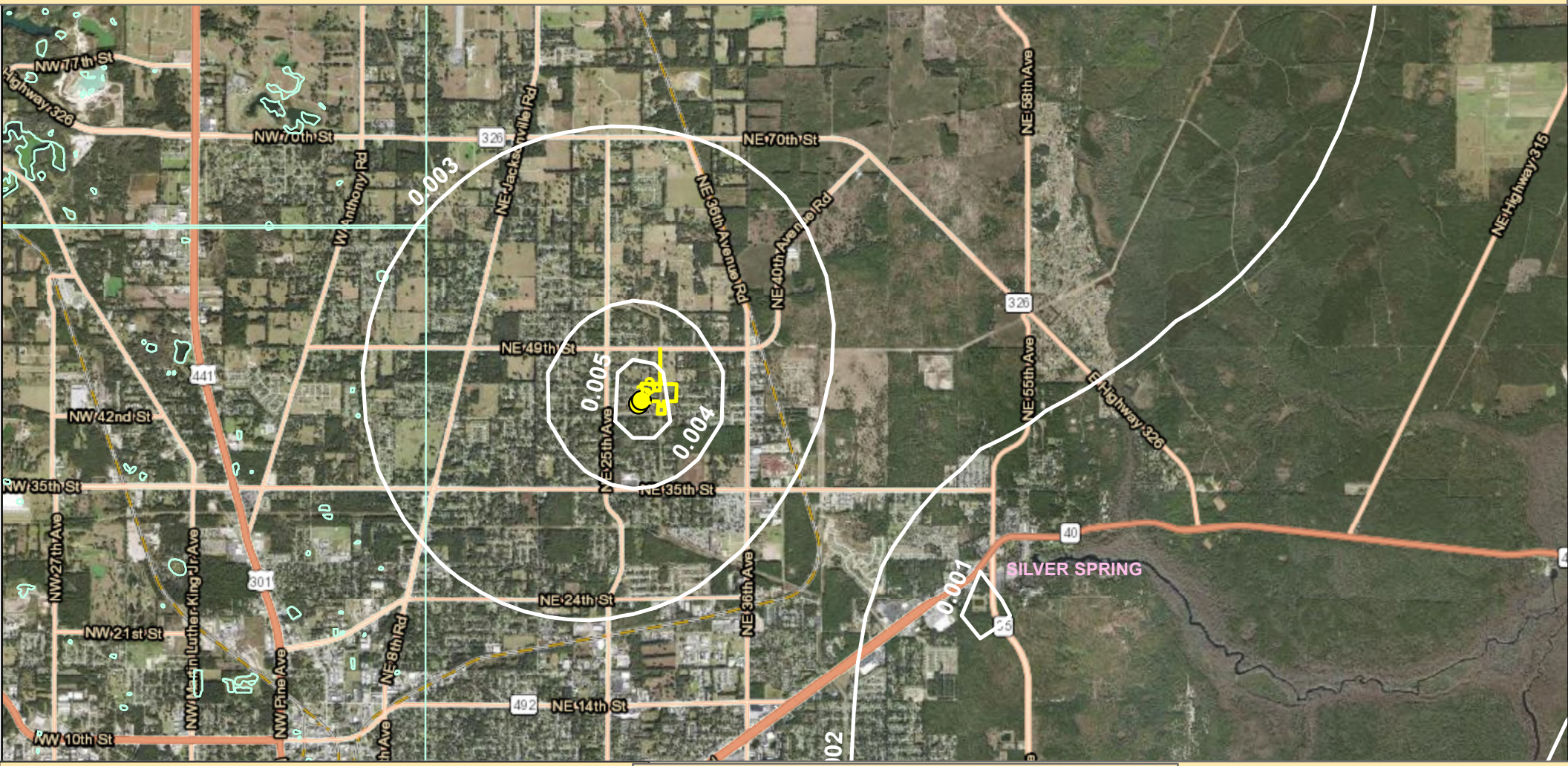
N

Andreyev Engineering, Inc.

1993 25th ANNIVERSARY 2018

Drawn by VJB
11/9/2021

Upper Floridan Aquifer (Layer 4) Drawdown Contours
Tradewinds Utilities, Inc.
CUP 2995-6 Modification
Marion County



Legend

- Upper Floridan L4 DD Contours
- Wells
- Property Boundary
- National Wetlands Inventory

0 5,000 10,000 Feet

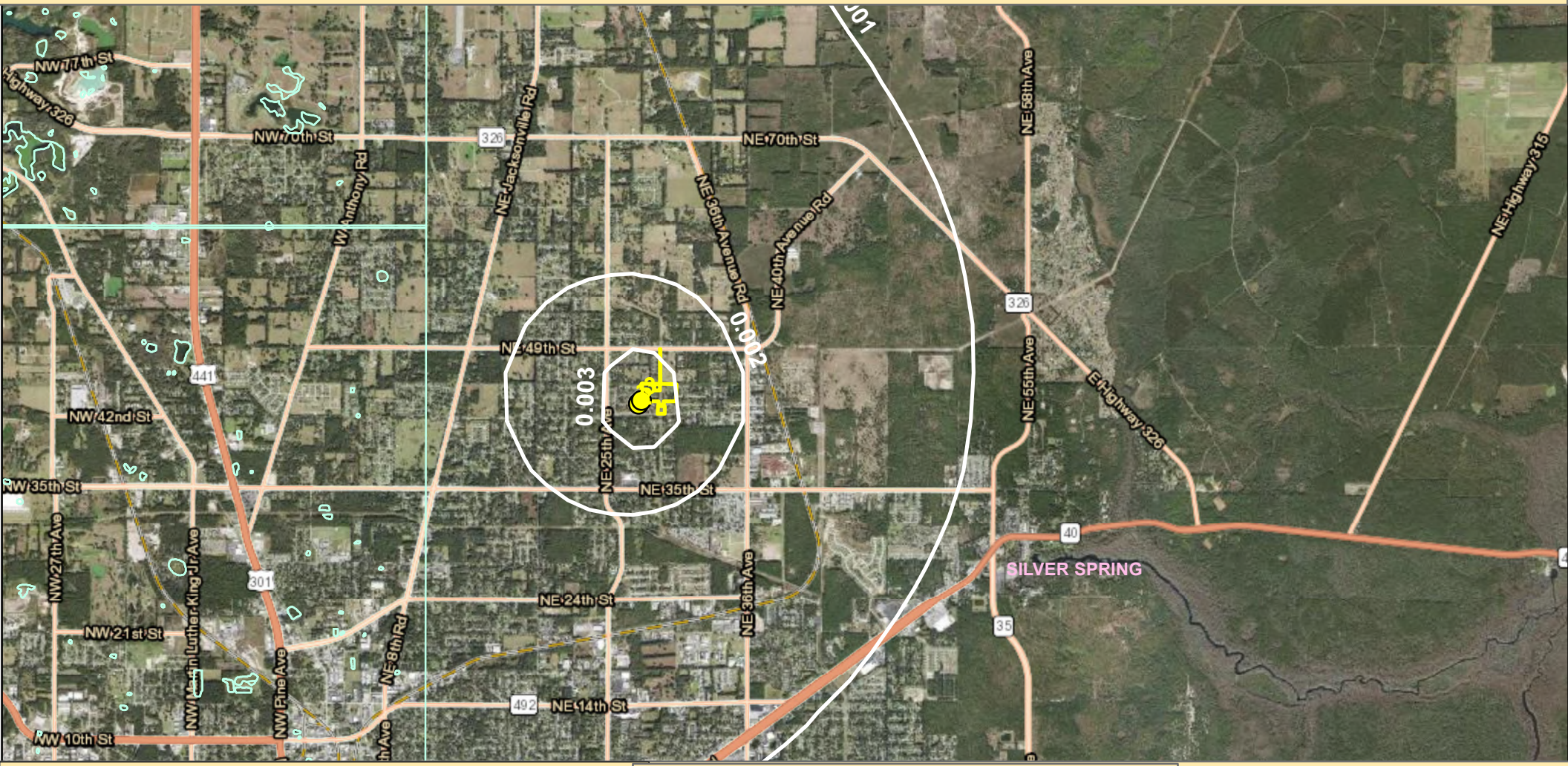
N

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1993 25th ANNIVERSARY 2018

Drawn by VJB
11/9/2021

Upper Floridan Aquifer (Layer 5) Drawdown Contours
Tradewinds Utilities, Inc.
CUP 2995-6 Modification
Marion County



Legend

- Upper Floridan L5 DD Contours
- Wells
- Property Boundary
- National Wetlands Inventory

0 5,000 10,000 Feet

N

Andreyev Engineering, Inc.

1993 2018 25th ANNIVERSARY

Drawn by VJB
11/9/2021

ATTACHMENT E

Local Vendor Recommendations

a. Recommendations for local vendors
    i. O&M Companies
    ii. Labs or Testing Companies; Aqua Pure (352)355-2383
    iii. Sludge Haulers; American Pipe & Tank (352)615-1114
    iv. General Contractors; ESI-Engineering Solution Inc. (352)789-0389
        Blake Utilities (352)625-0269
    v. Well Drillers
    vi. Electricians; Interstate Electric (352)732-6332

ATTACHMENT F

Wastewater Facility Photos


South Elevation
19°N (T) 29°13'54"N, 82°5'49"W ±13ft ▲ 59
Your Watermark - See Settings
07 Feb 2022, 08:20:27


South Elevation
18°N (T) 29°13'54"N, 82°5'49"W ±13ft ▲ 67
Your Watermark - See Settings
07 Feb 2022, 13:22:34 UTC


South Elevation
15°N (T) 29°13'54"N, 82°5'49"W ±13ft ▲ 69
Wastewater treatment plant
Your Watermark - See Settings
Bar screen Tradewinds
07 Feb 2022, 13:23:02 UTC


South East Elevation
338°NW (T) 29°13'54"N, 82°5'49"W ±13ft ▲ 68
Wastewater treatment plant
Your Watermark - See Settings
Activated sludge
cells Tradewinds
07 Feb 2022, 13:24:11 UTC

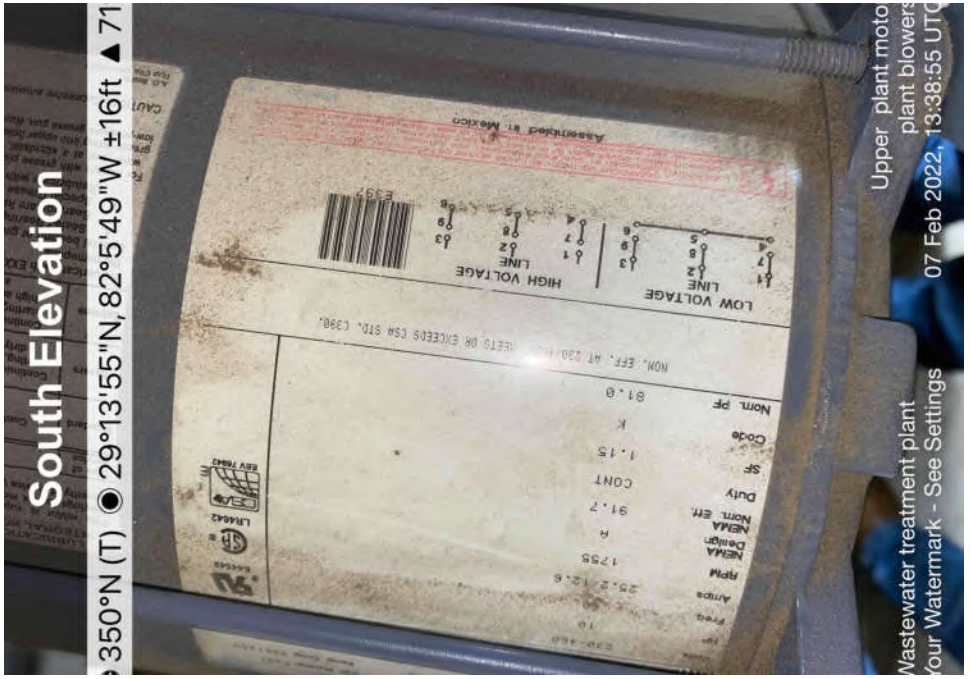

South East Elevation
302°NW (T) 29°13'54"N, 82°5'49"W ±19ft ▲ 70
Wastewater treatment plant
Your Watermark - See Settings
Splitter box Tradewinds
07 Feb 2022, 13:25:51 UTC

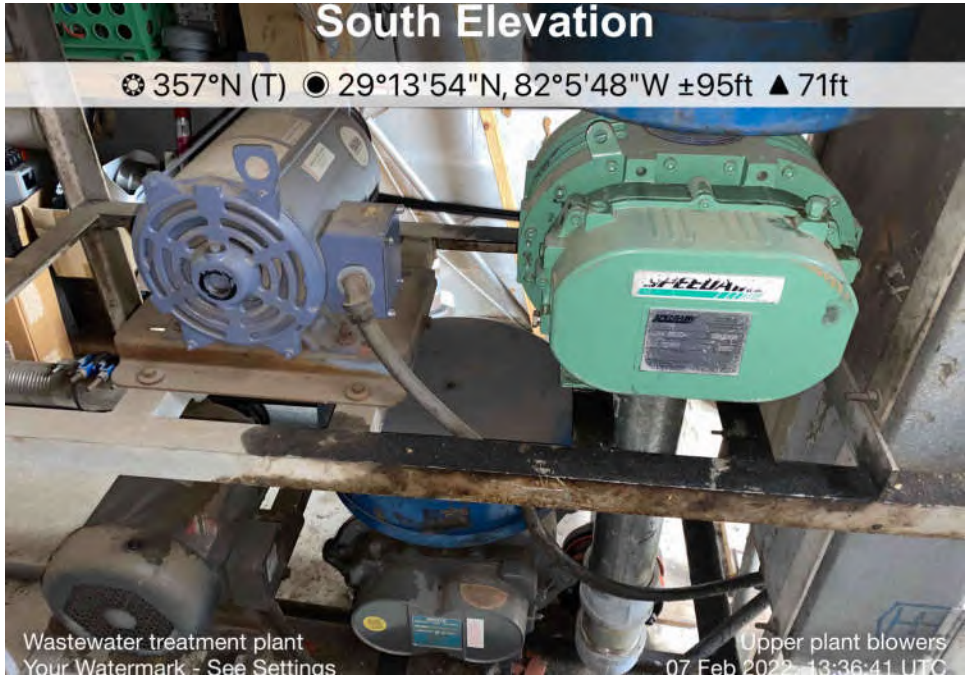

South East Elevation
320°NW (T) 29°13'54"N, 82°5'48"W ±45ft ▲ 69
Wastewater treatment plant
Your Watermark - See Settings
Stairs at wastewate
plaTradewinds
07 Feb 2022, 13:28:37 UTC

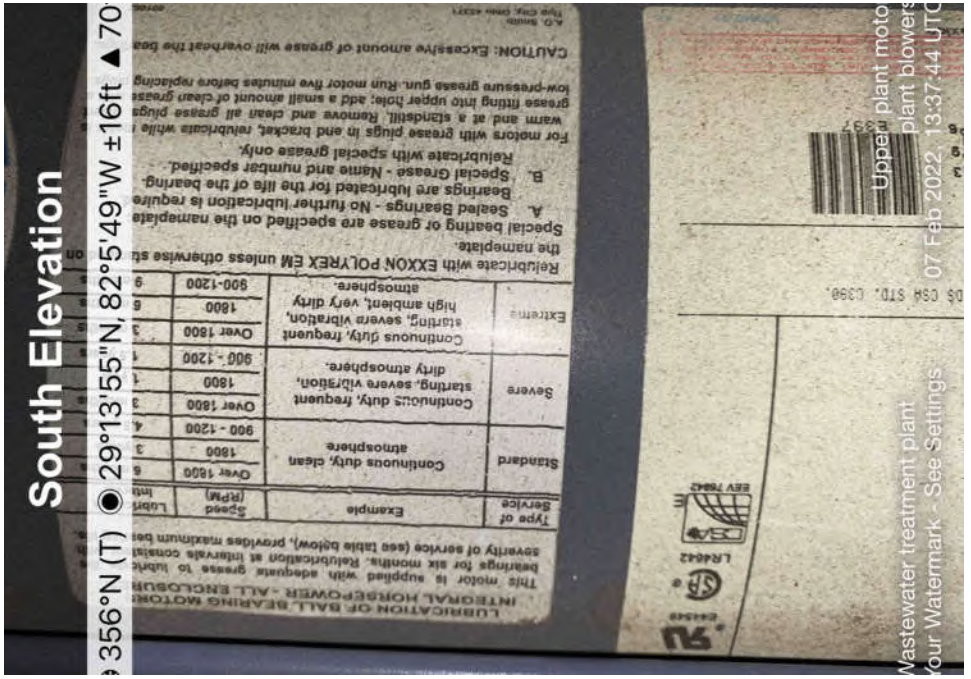

North East Elevation
203°SW (T) 29°13'54"N, 82°5'49"W ±29ft ▲ 70
Wastewater treatment plant
Your Watermark - See Settings
Clarifier wastewater plant TW
07 Feb 2022, 13:30:06 UTC


South Elevation
5°N (T) 29°13'55"N, 82°5'49"W ±29ft ▲ 66
Wastewater treatment plant
Your Watermark - See Settings
5hp effluent pumps
07 Feb 2022, 13:33:43 UTC


North East Elevation
242°SW (T) 29°13'55"N, 82°5'48"W ±29ft ▲69ft
Wastewater treatment plant
Your Watermark - See Settings
Lower plant blowers
07 Feb 2022, 13:37:10 UTC

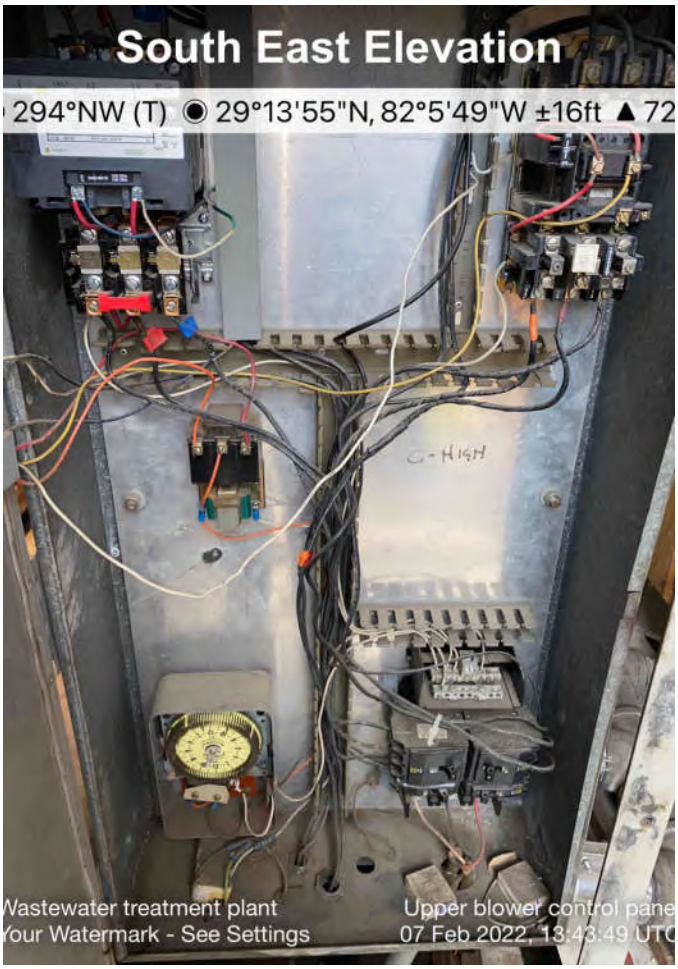

South Elevation
350°N (T) 29°13'55"N, 82°5'49"W ±16ft ▲71
Wastewater treatment plant
Your Watermark - See Settings
Upper plant moto
plant blowers
07 Feb 2022, 13:38:55 UTC


South Elevation
357°N (T) 29°13'54"N, 82°5'48"W ±95ft ▲71ft
Wastewater treatment plant
Your Watermark - See Settings
Upper plant blowers
07 Feb 2022, 13:36:41 UTC


South Elevation
356°N (T) 29°13'55"N, 82°5'49"W ±16ft ▲70
Wastewater treatment plant
Your Watermark - See Settings
Upper plant moto
plant blowers
07 Feb 2022, 13:37:44 UTC


West Elevation
103°E (T) 29°13'55"N, 82°5'49"W ±22ft ▲ 71ft
Wastewater treatment plant
Your Watermark - See Settings
Lower plant motor plant blowers
07 Feb 2022, 13:40:16 UTC


South West Elevation
62°NE (T) 29°13'53"N, 82°5'50"W ±216ft ▲ 70
Wastewater treatment plant
Your Watermark - See Settings
Lower blower control pane
07 Feb 2022, 13:42:20 UTC


South East Elevation
294°NW (T) 29°13'55"N, 82°5'49"W ±16ft ▲ 72
Wastewater treatment plant
Your Watermark - See Settings
Upper blower control pane
07 Feb 2022, 13:43:49 UTC


East Elevation
269°W (T) 29°13'53"N, 82°5'49"W ±160ft ▲ 68
Wastewater treatment plant
Your Watermark - See Settings
Hypo tank
07 Feb 2022, 13:45:33 UTC

South East Elevation

315°NW (T) ◉ 29°13'54"N, 82°5'50"W ±29ft ▲71



Wastewater treatment plant
Your Watermark - See Settings
Hypo chlorinato
07 Feb 2022, 13:46:05 UTC

West Elevation

108°E (T) ◉ 29°13'55"N, 82°5'49"W ±13ft ▲73



Wastewater treatment plant
Your Watermark - See Settings
Flowmeter wastewater plan
07 Feb 2022, 13:49:01 UTC

East Elevation

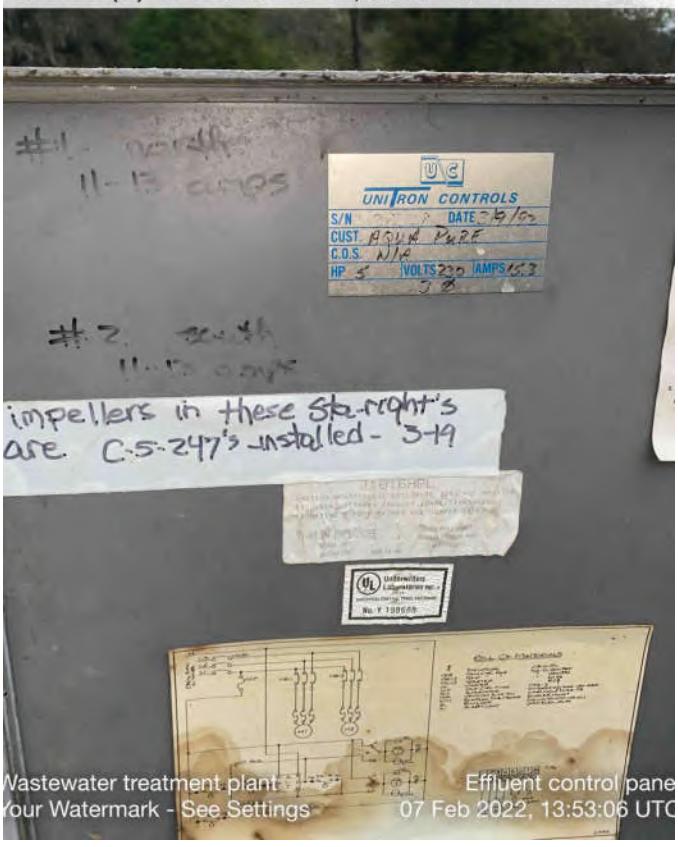
258°W (T) ◉ 29°13'54"N, 82°5'49"W ±42ft ▲68



Wastewater treatment plant
Your Watermark - See Settings
Flowmeter to spray field
07 Feb 2022, 13:52:22 UTC

South West Elevation

67°NE (T) ◉ 29°13'55"N, 82°5'49"W ±13ft ▲70



Wastewater treatment plant
Your Watermark - See Settings
Effluent control pane
07 Feb 2022, 13:53:06 UTC

West Elevation

85°E (T) ◉ 29°13'55"N, 82°5'49"W ±13ft ▲ 68



West Elevation

109°E (T) ◉ 29°13'55"N, 82°5'49"W ±13ft ▲ 69



North Elevation

181°S (T) ◉ 29°13'55"N, 82°5'49"W ±13ft ▲ 71



South Elevation

341°N (T) ◉ 29°13'55"N, 82°5'49"W ±13ft ▲ 70



South West Elevation

35°NE (T) ◉ 29°13'58"N, 82°5'46"W ±13ft ▲ 78



North West Elevation

119°SE (T) ◉ 29°13'58"N, 82°5'46"W ±13ft ▲ 79



West Elevation

102°E (T) ◉ 29°13'58"N, 82°5'46"W ±13ft ▲ 80



West Elevation

70°E (T) ◉ 29°13'59"N, 82°5'46"W ±13ft ▲ 80



North Elevation



South West Elevation

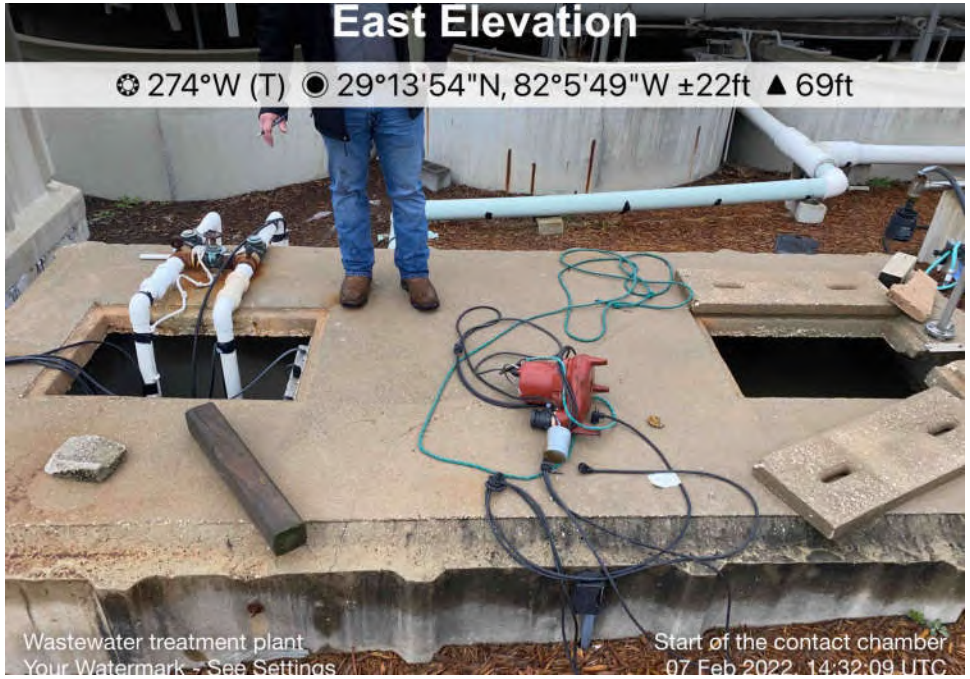


North East Elevation



West Elevation




East Elevation
274°W (T) 29°13'54"N, 82°5'49"W ±22ft ▲69ft
Wastewater treatment plant
Your Watermark - See Settings
Start of the contact chamber
07 Feb 2022, 14:32:09 UTC


South Elevation
360°N (T) 29°13'55"N, 82°5'50"W ±13ft ▲73ft
Wastewater treatment plant
Your Watermark - See Settings
Decommissioned filters
07 Feb 2022, 14:34:11 UTC


South Elevation
8°N (T) 29°13'56"N, 82°5'47"W ±157ft ▲73
Wastewater treatment plant
Your Watermark - See Settings
Valve to separate spray field
07 Feb 2022, 14:19:00 UTC


South West Elevation
27°NE (T) 29°13'55"N, 82°5'50"W ±13ft ▲73ft
Wastewater treatment plant
Your Watermark - See Settings
Detention time chambers
07 Feb 2022, 14:33:20 UTC


North Elevation
181°S (T) 29°13'55"N, 82°5'49"W ±22ft ▲71ft
Wastewater treatment plant
Your Watermark - See Settings
More contact time chamber
07 Feb 2022, 14:35:23 UTC


North Elevation
180°S (T) 29°13'53"N, 82°5'49"W ±19ft ▲64
Wastewater treatment plant
Your Watermark - See Settings
Over flow ponds two and three
07 Feb 2022, 14:53:13 UTC

EXHIBIT 6

Tradewinds

	2022	2024	2025	2026	2027	2028	2029	2030
	2022 Annual Report	*Actuals*	*Actuals*	*Projection*	*Projection*	*Projection*	*Projection*	*Projection*
	2022	**2024**	**2025**	**Y1**	**Y2**	**Y3**	**Y4**	**Y5**
ERU's	888	888	888	888	888	888	888	888
Rate	48.73	48.73	48.73	80.50	80.50	79.07	79.07	78.49
**Assumes 3,000 Gallons of Usage*								
Revenue	456,322	741,269	870,050	857,812	857,812	842,557	842,557	836,420
Outside labor expenses	(92,531)	(146,868)	(178,709)	(184,964)	(191,438)	(198,138)	(205,073)	(212,251)
Administrative and office expense	(172,293)	(45,622)	(41,129)	(42,569)	(44,059)	(45,601)	(47,197)	(48,849)
Maintenance and repair expense	(2,088)	(7,160)	(11,596)	(12,002)	(12,422)	(12,857)	(13,307)	(13,772)
Purchased water	-	0	0	0	0	0	0	0
Purchased sewage treatment	-	(23,343)	(6,073)	(6,286)	(6,506)	(6,733)	(6,969)	(7,213)
Electric power expense (exclude office)	(35,997)	(32,672)	(29,024)	(30,040)	(31,091)	(32,179)	(33,306)	(34,471)
Chemicals expense	(8,308)	(5,479)	(5,725)	(5,926)	(6,133)	(6,348)	(6,570)	(6,800)
Testing fees	-	(5,016)	(1,209)	(1,252)	(1,296)	(1,341)	(1,388)	(1,436)
Transportation expense	-	0	0	0	0	0	0	0
Other operating expense	(79,717)	(7,606)	(10,341)	(10,703)	(11,077)	(11,465)	(11,866)	(12,282)
Total Operating Expense	(390,934)	(273,767)	(283,807)	(293,741)	(304,022)	(314,662)	(325,676)	(337,074)
Depreciation	(109,355)	(52,738)	(44,966)	0	(3,750)	(16,250)	(16,250)	(16,250)
Interest	-	0	0	(31,658)	(31,658)	(91,016)	(91,016)	(130,588)
Total Expenses	(500,289)	(326,505)	(328,774)	(325,398)	(339,429)	(421,928)	(432,942)	(483,912)
Operating Income	**(43,967)**	**414,764**	**541,276**	**532,413**	**518,382**	**420,628**	**409,615**	**352,507**
Income Tax	0	0	0	(132,411)	(128,922)	(104,610)	(101,871)	(87,669)
Net Income	**(43,967)**	**414,764**	**541,276**	**400,002**	**389,461**	**316,018**	**307,744**	**264,839**

ASSUMPTIONS							
Return on Equity	8.52%	8.52%	8.52%	8.52%	8.52%	8.52%	8.52%
Return on Debt	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%
Consolidated ERUs*	29,172	29,172	29,172	29,172	29,172	29,172	29,172
Equity Ratio	98.68%	98.68%	78.97%	78.97%	56.64%	56.64%	47.66%
Debt Ratio	1.32%	1.32%	21.03%	21.03%	43.36%	43.36%	52.34%
Combined Tax Rate (Federal / State)	24.87%	24.87%	24.87%	24.87%	24.87%	24.87%	24.87%
RAF	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
System ERU's	888	888	888	888	888	888	888

*Consolidated ERUs contain connections CSWR-Florida projects to acquire from cases 20260075, 20260019, & 20250110

Total FL ERU's	29,172.00	29,172.00	29,172.00	29,172.00	29,172.00	29,172.00	29,172.00
ERU's in Rate	20,164	20,164	20,164	20,164	20,164	20,164	20,164
Total FL Rate Base	24,678,417	24,678,417	26,975,239	26,975,239	26,975,239	26,975,239	26,975,239
Total FL Rev Req	10,549,416	10,549,416	12,846,238	12,846,238	12,846,238	12,846,238	12,846,238
System ERU's	8,883	8,883	8,883	8,883	8,883	8,883	8,883
System Acq Premium	0	0	2,296,822	2,296,822	2,296,822	2,296,822	2,296,822
Tax Rate	24.9%	24.9%	24.9%	24.9%	24.9%	24.9%	24.9%
Rate	48.73	48.73	48.73	48.73	48.73	48.73	48.73
Rate with Acq Premium	0	0	80.50	80.50	79.07	79.07	78.49
Inflation Rate	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Amortization Years	30	30	30	30	30	30	30
Additional Plant Investment	0	0	0	150,000	500,000	0	0
Depreciation Rate	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
Debt Issuance	0	0	16,000,000	16,000,000	46,000,000	46,000,000	66,000,000
Interest Rate	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%
Debt Repayment			(533,333)	(533,333)	(1,533,333)	(1,533,333)	(2,200,000)
Ending 2025 Equity		58,087,900					

CALCULATIONS							
Additional Depreciation Expense	0	0	0	(3,750)	(16,250)	(16,250)	(16,250)
Interest Expense	0	0	(1,040,000)	(1,040,000)	(2,990,000)	(2,990,000)	(4,290,000)
Equity Return with Acq Premium	2,074,847	2,074,847	1,815,018	1,815,018	1,301,774	1,301,774	1,095,292
Equity Return w/o Acq Premium	2,074,847	2,074,847	1,660,477	1,660,477	1,190,934	1,190,934	1,002,033
Tax Return with Acq Premium	686,829	686,829	600,819	600,819	430,921	430,921	362,570
Tax Return w/o Acq Premium	686,829	686,829	549,662	549,662	394,230	394,230	331,699
Acq Premium Amortization	0	0	76,561	76,561	76,561	76,561	76,561
Total Net Impact of Acq Premium	**0**	**0**	**282,259**	**282,259**	**224,092**	**224,092**	**200,691**
Rate Adjustment			**65.2%**	**65.2%**	**62.3%**	**62.3%**	**61.1%**
Rate w/o Acq Premium			**48.73**	**48.73**	**48.73**	**48.73**	**48.73**
Revenue Requirement w/o Acq Premium			**11,791,101**	**11,791,101**	**11,791,101**	**11,791,101**	**11,791,101**
Acquisition Adjustment			$2,296,822.00	$2,296,822.00	$2,296,822.00	$2,296,822.00	$2,296,822.00
ERUs			888	888	888	888	888
Equity Portion			$1,813,858.37	$1,813,858.37	$1,300,942.23	$1,300,942.23	$1,094,592.38
Equity Return			$154,540.73	$154,540.73	$110,840.28	$110,840.28	$93,259.27
Debt Portion			$482,963.63	$482,963.63	$995,879.77	$995,879.77	$1,202,229.62
Debt Return			$41,051.91	$41,051.91	$84,649.78	$84,649.78	$102,189.52
Total Return			$195,592.64	$195,592.64	$195,490.06	$195,490.06	$195,448.79
Gross Up Taxes			$51,157.04	$51,157.04	$36,691.04	$36,691.04	$30,871.26
Amortization Expense			$76,560.73	$76,560.73	$76,560.73	$76,560.73	$76,560.73
Gross Up RAF			$15,234.52	$15,234.52	$14,548.04	$14,548.04	$14,271.87
Total Revenue Requirement Impact			$338,544.93	$338,544.93	$323,289.87	$323,289.87	$317,152.66
Standalone Average Monthly Impact (w/ Adjustment)			$31.77	$31.77	$30.34	$30.34	$29.76
Consolidated Average Monthly Impact (w/ Adjustment)			$0.97	$0.97	$0.92	$0.92	$0.91

EXHIBIT 7

NOTICE OF UTILITY'S PETITION TO ESTABLISH AN ACQUISITION ADJUSTMENT

DATE OF CUSTOMER NOTICE - ___/___ /_____

CSWR-Florida Utility Operating Company, LLC ("CSWR-Florida") has filed a Petition with the Florida Public Service Commission (the "Commission"), pursuant to rule 25-30.0371, Florida Administrative Code, to establish an acquisition adjustment for a non-viable utility system relating to its acquisition of the water and wastewater facilities of Tradewinds Utilities, Inc.

CSWR-Florida's Petition was filed with the Commission on August ____, 2026 and assigned Commission docket number _____.

In its first rate case, CSWR-Florida expects to consolidate its rates over all Florida customers. If the Commission grants the full acquisition adjustment requested by CSWR-Florida, the 5-year projected consolidated rate impact is $0.97 per customer, per month. If customer rates are not consolidated and the acquisition adjustment is applied to only the customers of Tradewinds Utilities, Inc. then the rate impact is projected to be $31.77 per customer, per month.

A copy of CSWR-Florida's Petition is available on the Commission's website at https://www.psc.state.fl.us/dockets.

CSWR-Florida can be contacted at 655 Maryville Centre Dr., Suite 200, St. Louis, MO 63141, telephone (855) 476-1942 during the regular business hours of Monday – Friday from 7am-7pm. Any customer substantially affected by the Petition may file a motion to intervene in accordance with Rule 28-106.205, Florida Administrative Code.