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March 15, 2022

Via Electronic Filing

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

Re: Application for Authority to Transfer - CSWR-Florida Utility Operating
Company, LLC; C.F.A.T. H2O, Inc.

Dear Commission Clerk:

Attached please find an Application for Authority to Transfer filed by CSWR Florida Utility Operating Company, LLC ("CSWR-Florida UOC") relating to C.F.A.T. H2O, Inc. A filing fee in the amount of \$1,500.00, as well as a Request for Confidential Classification as to Exhibit D, will be separately hand delivered to the Office of Commission Clerk.

Sincerely,

/s/ Thomas A. Crabb

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

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for transfer of water and
wastewater facilities, Water Certificate No.
552-W, and Wastewater Certificate No. 481-S
of C.F.A.T. H2O, Inc. to CSWR-Florida Utility
Operating Company, LLC, in Marion County.

Docket No.: _____

APPLICATION FOR TRANSFER OF FACILITIES AND CERTIFICATES FROM A REGULATED UTILITY TO ANOTHER REGULATED UTILITY

CSWR-Florida Utility Operating Company, LLC (“CSWR-Florida UOC” or “Applicant”), pursuant to section 367.071, Florida Statutes, and rule 25-30.037(2), Florida Administrative Code, applies for transfer of water and wastewater facilities, Water Certificate No. 552-W, and Wastewater Certificate No. 481-S of C.F.A.T. H2O, Inc. in Marion County.

FILING FEE

Pursuant to rule 25-30.020(2)(c), F.A.C., the total filing fees are \$1,500.00, which will be submitted concurrently with the filing of this application, and are broken down as follows: Water Certificate No. 552-W of C.F.A.T. H2O, Inc. (\$750.00); and Wastewater Certificate No. 481-S of C.F.A.T. H2O, Inc. (\$750.00).

PART I. APPLICANT INFORMATION

A. Contact Information for Utility/Seller

Utility Name:	C.F.A.T. H2O, Inc.
Street Address:	1552 SW 7th Road Ocala, FL 34471
Mailing Address:	P.O. Box 5220 Ocala, FL 34478-5220
Phone Number:	(352) 622-4949
Fax Number:	(352) 732-4366
FEIN:	65-0445576
Email address:	charlie@altfo.com
Website address:	none
Water Certificate No.:	552-W
Wastewater Certificate No.:	481-S

B. Contact Information for Seller’s Authorized Representative

Name:	Charles deMenzes
Mailing Address:	P.O. Box 5220 Ocala, FL 34478-5220

Phone Number: (352) 622-4949
Fax Number: (352) 732-4366
Email address: charlie@altfo.com

C. Contact Information for Buyer/Applicant

Buyer's Name: CSWR-Florida Utility Operating Company, LLC
Office Street Address: 1650 Des Peres Road, Suite 303
St. Louis, MO 63131
Phone Number: (314) 736-4672
Fax Number: (314) 736-4743
FEIN: 38-4180174
Email address: regulatory@cswrgroup.com
New Utility Name: CSWR-Florida Utility Operating Company, LLC

The Buyer as defined in the purchase agreement is "Central States Water Resources, Inc., a Missouri corporation, or its assigns." Prior to closing, Central States Water Resources, Inc., or its affiliate, will assign all rights and interests to CSWR-Florida UOC.

D. Contact Information for Buyer's Authorized Representatives

Name: Susan F. Clark, Esq.
Thomas A. Crabb, Esq.
Mailing Address: Radey Law Firm
301 South Bronough Street, Suite 200
Tallahassee, FL 32301
Phone Number: (850) 425-6654
Fax Number: (850) 425-6694
Email addresses: sclark@radeylaw.com
tcrabb@radeylaw.com
sturner@radeylaw.com
dguelztow@radeylaw.com

E. Contact Information for Person in Possession of Seller's Books and Records

Name: Charles deMenzes
Mailing Address: P.O. Box 5220
Ocala, FL 34478-5220
Phone Number: (352) 622-4949
Fax Number: (352) 732-4366
Email address: charlie@altfo.com

If the Public Service Commission audits the books and records of the Utility/Seller as part of this docket, then the primary point of contact for the audits should be the Seller's Authorized Representative, Charles deMenzes. Applicant requests that Buyer's Authorized Representative,

Tom Crabb (tcrabb@radeylaw.com; sturner@radeylaw.com), be copied on all audit correspondence, document and data requests, etc. from the Commission relating to the audit.

F. Buyer's Business Organization

The Applicant is a Florida limited liability company created on March 31, 2021, document number L21000150005. Applicant is not doing business under a fictitious name. Attached as **Exhibit A** are Applicant's Articles of Organization and documents from the Florida Department of State, Division of Corporations, showing Applicant's business name and active document number.

The Buyer/Applicant CSWR-Florida UOC is wholly owned by CSWR-Florida Utility Holding Company, LLC, a Florida limited liability company whose principal address is 1650 Des Peres Road, Suite 303, St. Louis, MO 63131.

PART II. TRANSFER OF CERTIFICATE

A. Description of Sale Agreement

Attached as **Exhibit B** is a copy of the executed Purchase and Sale Agreement ("Agreement").

A closing date is not specified in the Agreement as closing is dependent upon, among other things, a Commission order authorizing transfer of the Seller's assets. All conditions that must be satisfied before closing are specified in Section 4.01 of the Agreement.

The purchase price for the Seller's assets is located in Section 1.02(a) of the Agreement.¹ The purchase price, less any earnest money, shall be payable in cash at closing by wired funds and shall be paid on the Closing Date as defined in Section 4.01 of the Agreement.

CSWR-Florida UOC is not acquiring any non-regulated assets or operations of the Seller and is not assuming any of Seller's liabilities or obligations. The transaction is limited to the acquisition of assets used to provide regulated utility service. As the lists of assets being purchased, attached as **Exhibit C** are the Water Utility Plant Accounts and Sewer Utility Plant Accounts pages from the Seller's 2020 Annual Report to the Commission.

In addition, Article I of the Agreement generally describes the property to be acquired. Following conclusion of the Feasibility Period (as defined in Section 2.04 of the Agreement) and prior to closing, major units or items of acquired property (land, improvements, and rights of way,

¹ The purchase price in Section 1.02(a) of the Agreement is the price for the purchase of the assets of BFF Corp., Tradewinds Utilities, Inc., and C.F.A.T. H2O, Inc. All three of these utilities are controlled by the same principal and the purchase of the assets of all three utilities are addressed in the same Purchase and Sale Agreement. Applications for the transfer of the facilities/certificates of Tradewinds Utilities, Inc. and BFF Corp. are being filed contemporaneously with this Application.

tools, devices, equipment, furniture, fixtures, machinery, supplies, and other material tangible items) will be identified and included on exhibits A and B to the Agreement; however, the dollar values of those items will not be individually identified.

The purchase price will be paid in cash at closing. There is no other consideration between the parties, including salaries, retainer fees, stock, stock options, or assumption of any Seller's obligation.

Under the terms of the Agreement, CSWR-Florida UOC is not acquiring or assuming responsibility for pre-closing obligations of the Seller, including Seller's obligations related to customer deposits. Prior to closing, it would be Seller's responsibility to return any such deposits in accordance with Florida Commission rules and Seller's approved tariffs. The Seller has indicated that it has no customer advances, leases, debt, and/or guaranteed revenue contracts. However, if any are later identified, prior to closing, CSWR-Florida UOC will review all leases and developer agreements and will assume or renegotiate those agreements on a case-by-case basis. Any customers or developers who paid advances to the Seller prior to closing will be given full credit for those payments after closing.

Upon closing, CSWR-Florida UOC will fulfill the commitments, obligations, and representations of the Seller with regard to utility matters.

CSWR-Florida UOC has or will obtain the books and records of the Seller, including all supporting documentation for rate base additions since the last time rate base was established. The books and records of CSWR-Florida UOC will be maintained using the NARUC Uniform System of Accounts.

CSWR-Florida UOC will comply with the requirements of Rule 25-30.110(1)(b) and (c), F.A.C., regarding maintenance of utility records at another location.

B. Financial Ability

CSWR-Florida UOC was created for the purpose of acquiring and operating water and wastewater systems in Florida as a public utility. Unless and until it acquires such systems, the Applicant has no financial statements. In lieu of such information, the 2019 and 2020 audited financial statements of CSWR, LLC and its subsidiaries are provided in redacted form and attached as **Exhibit D**. An unredacted version of Exhibit D, along with a Request for Confidential Classification for the same, will be separately filed.

Attached as **Exhibit E** is the CSWR organization chart showing CSWR-Florida UOC and its affiliates. US Water Systems, LLC, is the sole member (i.e., 100% owner) of CSWR, LLC ("CSWR"). No partner or affiliated company has provided debt financing to CSWR.

To fund the acquisition proposed in this application, CSWR will invest sufficient equity in CSWR-Florida UOC to (a) pay the purchase price and all costs related to the acquisition of assets currently owned by Seller; (b) fund necessary capital improvements; and (c) provide working

capital to sustain operations until fully compensatory rates are implemented and CSWR-Florida UOC becomes self-sufficient.

C. Technical Ability

1. Experience In The Water And Wastewater Industry

CSWR-Florida UOC is part of an affiliated group of holding and utility operating companies currently providing water and wastewater services to customers in Missouri, Arkansas, Kentucky, Texas, Louisiana, Tennessee, Mississippi, Arizona, and North Carolina. The affiliate group includes CSWR, which employs personnel with managerial and operational expertise necessary to provide essential services to its utility affiliates. The services CSWR provides include, but are not limited to, executive management, administrative, legal, accounting, finance, engineering, accounts payable, and risk management. CSWR also invests equity capital used to acquire utility assets and systems (such as those for which authority is sought by this application), make required capital improvements, and provide working capital necessary to operate those systems until they become self-sufficient.

Since their formation, CSWR and its affiliates have invested more than \$251 million to acquire and operate water and wastewater systems in Missouri, Arkansas, Kentucky, Louisiana, Texas, Mississippi, Tennessee, North Carolina, and Arizona. Combined, these systems currently serve approximately 73,000 water and 117,000 wastewater customers. In each of those jurisdictions, state utility regulators determined CSWR and its affiliates have the financial strength and the managerial and operational experience and expertise necessary to acquire, improve, own, and operate water and wastewater systems in a manner that serves the public interest.

CSWR's operating company affiliates have also filed or soon will file additional acquisition applications in Missouri, Texas, Kentucky, Arizona, North Carolina, Louisiana, Mississippi, and Tennessee.

CSWR's business plan is to purchase and recapitalize water and wastewater systems and to operate those systems as investor-owned regulated utilities. Most of the systems acquired are not providing safe and reliable service. Many of the systems CSWR acquires are out of compliance with state utility commission rules and with federal and state environmental or public health laws. Many of the systems also lack the federal and/or state permits required to lawfully operate. And many have not increased rates for a decade or more and therefore lack the financial resources necessary to build, maintain, and make replacements to the systems.

In other states, CSWR's utility operating companies have acquired distressed systems, invested the capital necessary to construct or repair the physical facilities, and provided the managerial experience and expertise required to operate those systems in a way that satisfies customers, regulators, and investors alike. If given the opportunity, we can bring those same financial resources and the same managerial and operational expertise to the systems we propose to acquire in Florida.

If this application is approved, CSWR-Florida UOC would hire one or more unaffiliated operations and maintenance firms (preferably local) that have knowledgeable and experienced personnel and that hold all Florida licenses necessary to manage daily operations of the system at issue in this application. CSWR-Florida UOC would also use an unaffiliated billing and customer service firm – the same firm currently used by its affiliates outside Florida.

CSWR has developed a centralized computerized maintenance management system that monitors the performance of its water and wastewater systems and allows personnel to track ongoing maintenance and testing activities of all third-party contractors. In addition, CSWR uses GIS survey information to accurately map all infrastructure assets, which enables anticipatory and targeted infrastructure investment. CSWR's outside firms are required to provide 24-hour emergency service phone numbers to report service issues, provide on-call emergency service personnel who must respond within prescribed time limits, use a computerized maintenance management system for wastewater and drinking water utility assets, provide online bill payment options, and use up-to-date website bulletins about current service status.

While day-to-day operational, billing, and customer service functions would be provided by contractors, all management, financial reporting, underground utility safety and location services, Commission regulatory reporting, environmental regulatory reporting and management, operations oversight, utility asset planning, engineering planning, ongoing utility maintenance, utility record keeping, and final customer dispute management would be performed by personnel at CSWR's corporate office. CSWR personnel also would monitor the activities of contractors to make sure the systems are being operated and maintained properly and customer needs are being met.

Brief biographies of CSWR's key executive and operational leaders are attached as **Exhibit F**. Additional information regarding CSWR and its affiliates, including case studies showing the significant improvements made in some of the acquired systems can be found on CSWR's website: <https://www.centralstateswaterresources.com>.

2. Continued Operation Of The Utilities

CSWR-Florida UOC plans to use one or more appropriately qualified and licensed contract operators to handle day-to-day inspections, checks, sampling, reporting, and meter reading. The contract operator also would be responsible for necessary system repairs, as well as extraordinary issues that arise from time to time, to ensure proper facility operations. All contractor activities would be tracked by a computerized maintenance system. In addition, a computerized plant monitoring system would integrate repair and system operations data into a single water information management platform that includes all systems operated by CSWR-Florida UOC's affiliates.

The Applicant will use a contractor for billing and handling customer calls. The contractor would be responsible for computing, printing, and sending monthly bills to customers and for collecting payments. The billing contractor's staff would also field and process customer bill inquiries, make bill adjustments, address customer requests for payment plans, and interact with

Commission Staff regarding billing issues as necessary. Billing contractor employees are trained to route any customer service complaints and inquiries to the service contractor.

Contractors providing day-to-day operations and maintenance services are selected through a competitive bidding process. The contractor providing billing and related services for CSWR affiliates in Missouri, Arkansas, Kentucky, Texas, Louisiana, Mississippi, Arizona, North Carolina, and Tennessee would likely be used in Florida. By using this contractor, Nitor Billing Services, LLC, CSWR-Florida UOC would have access to proprietary systems developed to meet the needs of the affiliate group and its customers. CSWR-Florida UOC also would benefit from economies of scale available from a systemwide customer service vendor.

As needed, CSWR-Florida UOC would implement operational changes to improve and enhance customer service. In addition, upon acquisition, customers would have access to a 24-hour phone line to report any utility service issues. Those calls would then be transferred into the computerized maintenance management system and converted into work orders, which creates a historical record of all reported service issues. The work order also would ensure contracted customer service personnel can commence work required to address customer service issues quickly and efficiently. The Applicant would ensure customers served by the system have access to customer service representatives during normal business hours to talk about any customer concerns. Additionally, CSWR-Florida UOC would establish a utility-specific webpage and dedicated email address to keep customers informed about their utility service. Mirroring the relevant utility homepage information, the Applicant will also implement a dedicated social media page to offer another avenue of communication with customers about utility matters. The social media account will be staffed by customer service representatives who can quickly answer customer questions. Finally, the Applicant would offer online bill paying options to customers including e-checks and debit and credit cards.

D. Territory Description, Public Interest, and Facilities

1. Territory Description

Attached as **Exhibit G** is a copy of the legal description of the proposed service area in Marion County, Florida - the same territory currently served by the Seller.

2. Public Interest

Approving the proposed transfer of the systems is in the public interest. CSWR has demonstrated it has the managerial and operational expertise and experience necessary to own and operate many water and wastewater systems. It also has access to the capital necessary to repair and upgrade systems to ensure they comply with all health and environmental regulations and provide safe and reliable service to customers.

CSWR's utility operating companies have a proven track record of acquiring small, oftentimes distressed, water and wastewater systems, making the repairs and upgrades those systems require, and operating them in a way that pleases utility and environmental regulators alike. Utility and environmental regulators in several states have sought out CSWR affiliates to

become the emergency operator of systems in need of immediate aid. The Missouri Public Service Commission and the Missouri Department of Natural Resources have recognized the solid track record CSWR affiliated utilities have established for acquiring, rehabilitating, maintaining, and operating troubled water and wastewater systems in that state. In all the states where we have been authorized to acquire systems, the public utility commission found the group has the financial, technical, and managerial ability necessary to serve the public. Moreover, in many of our states, the regulators have approved multiple acquisitions, showing that we have established a track record of service in the public interest.

As our website states, the mission of CSWR and its affiliated utilities is to bring safe, reliable, and environmentally responsible water resources to every community in the United States. As it works to accomplish that objective, the group is transforming how water utilities work by using technology and innovation to quickly assess and invest in reliable infrastructure that meets or exceeds stringent state and federal safety standards, ensuring all communities have access to safe, clean, and reliable water resources while protecting essential natural resources.

3. Condition Of The System

CSWR-Florida UOC's preliminary engineering analyses of the systems are attached as **Exhibit H**. These assessments identify components of the systems that are in need of repair or improvement and provide a breakdown of the potential costs of those improvements. In addition, these analyses provide information on the systems' recent compliance history.

Pursuant to rule 25-30.037(2)(q) F.A.C., the systems are in need of repairs and improvements, including those identified in Exhibit H, for which CSWR-Florida UOC will be responsible. No governmental authorities are presently requiring repairs or improvements to the systems.

4. Right To Continued Long-Term Use Of Land

Attached as **Exhibit I** is an unrecorded draft deed. CSWR-Florida UOC commits to filing the executed and recorded deed with the Commission within sixty (60) days after closing. See Article II and Section 4.01 of the Agreement for additional information relating to title transfer.

5. Current Permits

Attached as **Exhibit J** are the Seller's current permits from the St. Johns River Water Management District ("SJRWMD") and Florida Department of Environmental Protection ("DEP").

The DEP and the SJRWMD advise that they cannot process a transfer application for these permits until after title closing of the real estate, which cannot occur until after the Commission approves the acquisitions. Accordingly, CSWR-Florida UOC commits to filing with the Commission copies of the DEP and WMD transfer applications within sixty (60) days of closing.

6. Most Recent DEP and/or County Health Department Reports

Attached as **Exhibit K** are copies of the most recent DEP sanitary survey inspections and water quality standards reports.

7. Correspondence with the DEP, County Health Department, and Water Management District

Correspondence and reports submitted to DEP and the SJRWMD are available at the following links:

C.F.A.T. H2O, INC.:

DEP - Regarding wastewater system (DEP Facility ID # FLA010722):

<https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/FLA010722/facility!search>

DEP - Regarding water system (DEP Facility ID # 3424690):

<https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/3424690/facility!search>

SJRWMD - Regarding consumptive use permit (# 3077-3):

<https://permitting.sjrwmd.com/ep/#/prmtInfo?curId=&hdr=1&usrId=0&offclId=3077&seqNo=3>

Copies of the most recent correspondence with the DEP and the SJRWMD are attached as **Exhibit L**.

8. Customer Complaints

The Seller advises they have not received any customer complaints regarding DEP secondary water quality standards during the past five years.

E. Proposed Tariff

Attached as **Exhibit M** is the Seller's current tariff sheets containing the Seller's current rates.

F. Accounting Information

1. Proposed Net Book Value; Acquisition Adjustment; Rate Base

Net Book Value

The best information currently available regarding the Net Book Value ("NBV") of the assets that CSWR-Florida UOC proposes to acquire from BFF Corp., Tradewinds Utilities, Inc.,

and C.F.A.T. H2O, Inc. (collectively, the “Sellers”) is from the 2020 Annual Reports of the utilities, with NBV calculated as Total Net Utility Plant less Total Net C.I.A.C. The net book values are shown in those reports as:

• Tradewinds Utilities, Inc.	\$640,235.53 (see pages F-1(a) and F-2(b)).
• BFF Corp.	\$ 51,618.00 (see page F-4)
• C.F.A.T. H2O, Inc.	\$279,580.00 (see page F-4)
Total	\$971,433.53

The 2020 Annual Reports are attached as **Exhibit N**. Please note that based on the experience of CSWR operating company affiliates outside Florida, annual reports and the books and records of selling utilities may not capture all investment that can be categorized as utility plant under the Uniform System of Accounts. Therefore, CSWR-Florida UOC will not be able to definitively determine NBV until a thorough post-closing review of relevant plant and accounting records is completed.

Acquisition Adjustment

The agreed purchase price for the Sellers’ assets, \$4,500,000, was reached through arms-length negotiations. For regulatory purposes, CSWR-Florida UOC has made the following allocation of the purchase price:

• Tradewinds Utilities, Inc. -- water system	\$1,215,000 (27% of purchase price)
• Tradewinds Utilities, Inc. -- sewer system	\$1,440,000 (32%)
• BFF Corp. -- sewer system	\$ 405,000 (9%)
• C.F.A.T. H2O, Inc. -- water system	\$ 675,000 (15%)
• C.F.A.T. H2O, Inc. -- sewer system	\$ 765,000 (17%)
Total	\$4,500,000 (100%)

The methodology used to determine these allocation amounts is a ratio of 2020 annual net operating revenue of each component to the total net operating revenue as reported on the 2020 Annual Reports to the Commission, which is as follows:

• Tradewinds Utilities, Inc. -- water system	\$184,322 (27% of total)
• Tradewinds Utilities, Inc. -- sewer system	\$220,104 (32%)
• BFF Corp. -- sewer system	\$ 62,141 (9%)
• C.F.A.T. H2O, Inc. -- water system	\$100,069 (15%)
• C.F.A.T. H2O, Inc. -- sewer system	\$114,787 (17%)
Total	\$681,423 (100%)

Applying the same annual net operating revenue percentages to the purchase price of \$4,500,000 provides the above regulatory allocations of the purchase price.

CSWR-Florida UOC seeks recognition of the full purchase price in its rate base for future ratemaking purposes. Accordingly, CSWR-Florida UOC requests a positive acquisition adjustment for the difference between the purchase price and the NBV, based on extraordinary

circumstances as provided in rule 25-30.0371, F.A.C. The financial strength and managerial and operational experience of CSWR will provide benefits to customers in terms of cost-efficiencies, quality of service improvements, improvements in regulatory compliance and rate stability over the long-term. CSWR has a proven track record in delivering on promises to improve utility service and customer satisfaction.

At this time, CSWR-Florida UOC is unable to quantify the impact to customers of the requested acquisition adjustment due to the many variables that can impact rates. These variables include capital structure, ROI, amortization periods, and various other factors that could influence the projected impact.

The rule factors supporting the requested positive acquisition adjustment are discussed in more detail below.

Cost Efficiencies

CSWR's size and its consolidation of many small systems under one financing and managerial entity will result in cost efficiencies in the operation of the Sellers' water and wastewater systems, particularly in the areas of:

- PSC and environmental regulatory reporting
- Managerial and operational oversight
- Utility asset planning
- Engineering planning
- Ongoing utility maintenance
- Utility record keeping
- Customer service responsiveness
- Improved access to capital necessary to repair and upgrade the systems to ensure compliance with all health and environmental requirements and ensure service to customers remains safe and reliable

The Applicant believes that customers would benefit from economies of scale and other advantages available from CSWR. While this does not necessarily reflect cost savings compared to the current operations expenses of the Sellers, the advantages of this acquisition are reflected in CSWR's resources pertaining to customer service, an advanced computerized maintenance management system, and personnel with years of experience across over 300 plants. After owning and operating the system for a short period of time, the Applicant will be able to accurately assess costs to more accurately reflect the actual operating needs and characteristics of the system.

Improvements in Quality of Service

- Provision of 24-hour emergency service phone numbers to report service issues
- On-call emergency service personnel who are required to respond to emergency service calls within prescribed time limits

- Use of a computerized maintenance management system that converts information into work orders creating a historical record of service issues to ensure that customer service personnel can quickly address service issues
- Access to managerial and operational resources not generally available to systems of these sizes and the ability to supplement local personnel with the resources of CSWR and other CSWR-owned systems
- Online bill payment options
- An updated website that provides another avenue for customer communication, bulletins on current service status, procedures for service initiation and discontinuation, and educational information relevant to utility service

CSWR-Florida UOC believes that the quality of service will be improved by its access to resources. In particular, the quality of service relating to Operations & Maintenance and Customer Service will improve drastically.

CSWR uses the Computerized Maintenance Management System (CMMS) program Utility Cloud to facilitate field work, inspections, maintenance schedules, and reporting for all facilities. This allows CSWR to manage data, work, and compliance across plant and distributed field assets. Utility Cloud has been implemented in other jurisdictions to assist in avoiding compliance and equipment failures with real-time data monitoring across people, machines, and sensors throughout all our service areas.

The main benefit that Utility Cloud offers CSWR is that the system is a highly configurable, easy-to-use asset management tool that helps all parties distribute work, report on maintenance, and streamline compliance reports. With the system being highly configurable CSWR can build out the systems efficiently and begin tracking maintenance and improvements on day one of ownership. Most of the operators of this system require only a 4-hour training session to be able to navigate, create and assign work, and complete the Work Orders. The ability to get CSWR's contract operators trained so quickly speaks volumes to how easy the system is to operate. That initial training is adequate for 90% of our operators.

Features of Utility Cloud that CSWR has implemented that have been beneficial to our operations and that have streamlined time-consuming processes consist of:

- Automating the completion and submission of compliance reports using the exact field data crews collect;
- Using custom accounts, security roles, and user rights to maintain the separation between projects and managing multiple contractors while storing all CSWR's data in one database;
- Managing and tracking maintenance history on all assets to assist in identifying potential capital improvement projects;
- Creating custom alerts to trigger as issues arise;
- Leveraging digital SOPs, manuals, and layouts helping to standardize complex work and to meet regulatory and OSHA requirements;
- Creating powerful workflows and reports for our compliance objectives;
- Integrating with the survey database to create a useable asset for field work tracking; and
- Using real-time data and leveraging analytical tools to trend plant performance.

Utility Cloud is pivotal in the operation and maintenance of facilities. The ability to create custom workflows gives us the ability to collect asset and task-specific data quickly and efficiently. Using this system allows CSWR to quickly implement new processes that apply to all our sites across the country with the click of a button. This is the type of configuration scalability that CSWR requires and Utility Cloud delivers.

At this time, CSWR-Florida UOC is not able to quantify the cost savings of these improvements as the benefits provided in other jurisdictions revolve around quality of service and environmental sustainability rather than cost.

Anticipated Improvements in Compliance with Regulatory Mandates

- Necessary upgrades to the systems. See **Exhibit H**.
- Assessment of the compliance history of the water and wastewater systems to identify improvements to achieve regulatory compliance and bring the systems to a maintainable condition
- Use of technology and innovation to quickly assess and invest in needed infrastructure to ensure regulatory and environmental standards are met and water resources are protected

Rate Stability Over the Long Term

Consolidation of the management and operation of the Tradewinds Utilities/BFF Corp./C.F.A.T. H2O, Inc. systems with the other CSWR systems will allow them to benefit from economies of scale that would otherwise not be available. Economies of scale will reduce ongoing costs and moderate the need for rate increases thus contributing to rate stability. Additionally, at the appropriate time, CSWR anticipates proposing the use of consolidated or uniform rates for the Florida systems it operates. Use of uniform rates will also contribute to rate stabilization by reducing the number and frequency of rate cases and mitigation of rate shock that might result from capital investments necessary to meet environmental, health and regulatory standards. Uniform rates can also result in cost of capital savings by providing revenue stability that will reduce financial risk and in savings associated with rate collection.

While existing rates for utility service may reflect costs related to Sellers' long-term debt, CSWR-Florida UOC intends to file its initial rate case as soon as practicable after the proposed transaction closes. And when new rates set in that case take effect, those rates would not include any amount for repayment of the Sellers' long-term debt.

As Article I of the Agreement makes clear, this transaction involves only tangible assets owned by the Sellers and used to provide utility service to customers. At closing, CSWR-Florida UOC will not assume any of the Sellers' current debt obligations. Because those obligations must be paid off at or prior to closing (in order for Seller to transfer title to its assets free of all liens and other encumbrances), the Sellers must receive sufficient funds at closing to cover both the value of the transferred assets and Sellers' outstanding debt obligations.

Consequently, while there may be a brief period between closing and CSWR-Florida UOC's initial rate case when a portion of current rates could be attributed to the recovery of costs related to Sellers' long-term debt, that period would end at the conclusion of the initial rate case. At that point, rates would be based solely on CSWR-Florida UOC's debt costs and would not reflect any amount to recover any costs related to Sellers' long-term debt.

Rate Base - C.F.A.T. H20, Inc.:

Rate base was established by the Public Service Commission in 2011. See Docket No. 20100126-WU and Order No. PSC-11-0366-PAA-WU. This order established a four-year rate, which expired in 2015.

Below is a table listing changes to rate base subsequent to the 2011 rate case.

WS NO.	TYPE OF CASE		INCREASE REQUEST	INCR./(DECR.) GRANTED	EFFECTIVE DATE
WS-13-0005	INDEX	W	1,342	1,342	04/04/2013
		S	1,812	1,812	
WS-13-0038	INDEX	W	1,018	1,018	06/15/2013
		S	1,177	1,177	
WS-14-0018	INDEX	W	885	885	06/15/2014
		S	917	917	
WS-15-0024	INDEX	W	944	944	06/01/2015
		S	1,240	1,240	
100126-WU	FYR	W	(5,338)	(5,338)	10/22/2015
WS-16-0046	INDEX	W	694	694	06/01/2016
		S	990	990	
WS-17-0027	INDEX	W	767	767	06/02/2017
		S	1,274	1,274	
WS-2018-0037	INDEX	W	1,121	1,121	06/02/2018
WS-2018-0037	INDEX	S	1,445	1,445	06/02/2018
WS-2019-0029	INDEX	W	1,648	1,648	06/02/2019
WS-2019-0029	INDEX	S	1,975	1,975	06/02/2019
WS-2020-0029	INDEX	W	1,476	1,476	06/01/2020
WS-2020-0029	INDEX	S	1,690	1,690	06/01/2020
WS-2021-0065	INDEX	W	799	799	09/01/2021
WS-2021-0065	INDEX	S	1,013	1,013	09/01/2021

Also, please see the Seller's current tariffs in **Exhibit M** to this application for transfer.

2. Federal Income Tax Returns

CSWR-Florida UOC has obtained all of the federal income tax returns of the Seller from the date the rate base was last established by the Commission.

3. Regulatory Assessment Fees, Fines, or Refunds

Any outstanding regulatory assessment fees, fines, or refunds must be fully satisfied by the Seller prior to closing. No such outstanding assessment fees, fines, or refunds are known to the Applicant. CSWR-Florida UOC will become responsible for paying the regulatory assessment fees and filing the annual report upon closing. The Seller remains responsible for the regulatory assessment fees and annual report until closing.

4. Economies of Scale

In addition to this Application, CSWR-Florida UOC has four other transfer application dockets presently pending before the Commission: 20210093-WS (Aquarina Utilities, Inc.); 20210095-WU (Sunshine Utilities of Central Florida, Inc.); 20210133-SU (North Peninsula Utilities Corporation); and 20220019-WU (Neighborhood Utilities, Inc.). Customers currently served by the Seller's utility would benefit from the technical and operational advantages of becoming part of the group of utilities affiliated with Central States Water Resources, as discussed above.

Across the affiliate group, Central States currently serves approximately 73,000 water and 117,000 wastewater customers in 9 states. As the costs of the centralized technical and operational resources of CSWR are spread over more customers, more economies of scale will be achieved.

G. Noticing Requirements

Attached as **Exhibit O** is CSWR-Florida UOC's proposed notice of application. As soon as the notice is approved, CSWR-Florida UOC will send the notice to all applicable customers and governmental entities, and will then file affidavits of noticing and publication as required.

[remainder of page intentionally left blank -- signature page to follow]

PART III. SIGNATURE

APPLICATION SUBMITTED BY:



Josiah Cox, President, on behalf of
CSWR-Florida Utility Operating Company, LLC

08/15/22

Date

EXHIBIT A



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Florida Limited Liability Company
CSWR-FLORIDA UTILITY OPERATING COMPANY, LLC

Filing Information

Document Number	L21000150005
FEI/EIN Number	38-4180174
Date Filed	03/31/2021
Effective Date	03/31/2021
State	FL
Status	ACTIVE

Principal Address

1650 DES PERES RD.
SUITE 303
ST. LOUIS, MO 63131

Mailing Address

13421 MANCHESTER ROAD
SUITE 103
ST. LOUIS, MO 63131

Changed: 02/03/2022

Registered Agent Name & Address

C T CORPORATION SYSTEMS
1200 S PINE ISLAND ROAD
PLANTATION, FL 33324

Authorized Person(s) Detail

Name & Address

Title MGR

CENTRAL STATES WATER RESOURCES, INC.
1650 DES PERES RD., SUITE 303
ST. LOUIS, MO 63131

Annual Reports

Report Year	Filed Date
2022	02/03/2022

Document Images

[02/03/2022 -- ANNUAL REPORT](#)

[View image in PDF format](#)

[03/31/2021 -- Florida Limited Liability](#)

[View image in PDF format](#)

**Electronic Articles of Organization
For
Florida Limited Liability Company**

L21000150005
FILED 8:00 AM
March 31, 2021
Sec. Of State
jsdennis

Article I

The name of the Limited Liability Company is:

CSWR-FLORIDA UTILITY OPERATING COMPANY, LLC

Article II

The street address of the principal office of the Limited Liability Company is:

1650 DES PERES RD.
SUITE 303
ST. LOUIS, MO. US 63131

The mailing address of the Limited Liability Company is:

1650 DES PERES RD.
SUITE 303
ST. LOUIS, MO. US 63131

Article III

The name and Florida street address of the registered agent is:

C T CORPORATION SYSTEMS
1200 S PINE ISLAND ROAD
PLANTATION, FL. 33324

Having been named as registered agent and to accept service of process for the above stated limited liability company at the place designated in this certificate, I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relating to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent.

Registered Agent Signature: ROSE SONG

Article IV

The name and address of person(s) authorized to manage LLC:

Title: MGR
CSWR-FLORIDA UTILITY HOLDING COMPANY, LLC
1650 DES PERES RD., SUITE 303
ST. LOUIS, MO. 63131 US

L21000150005
FILED 8:00 AM
March 31, 2021
Sec. Of State
jsdennis

Article V

The effective date for this Limited Liability Company shall be:

03/31/2021

Signature of member or an authorized representative

Electronic Signature: MADISON A WELDE

I am the member or authorized representative submitting these Articles of Organization and affirm that the facts stated herein are true. I am aware that false information submitted in a document to the Department of State constitutes a third degree felony as provided for in s.817.155, F.S. I understand the requirement to file an annual report between January 1st and May 1st in the calendar year following formation of the LLC and every year thereafter to maintain "active" status.

EXHIBIT B

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: 
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 PI	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

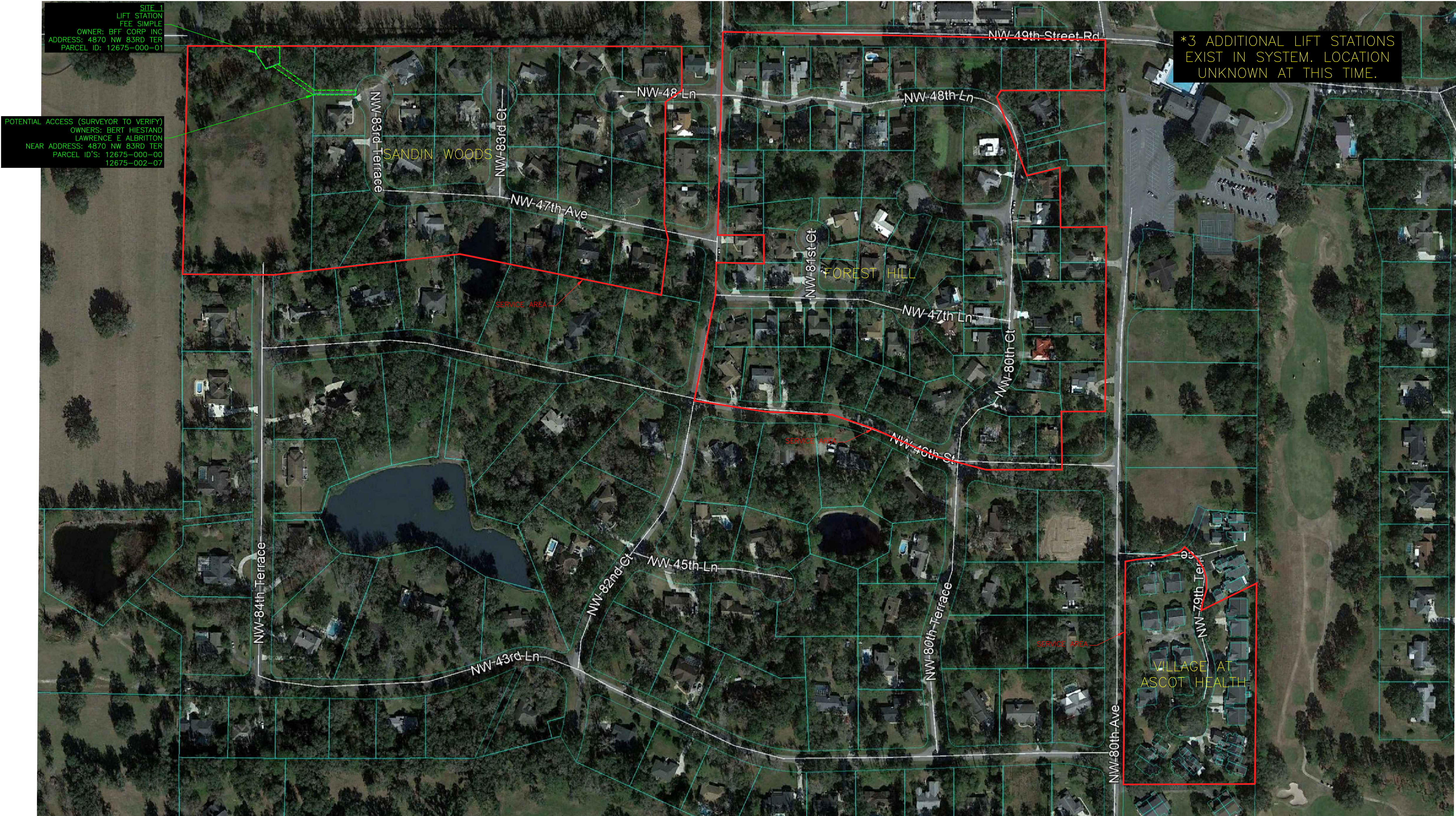
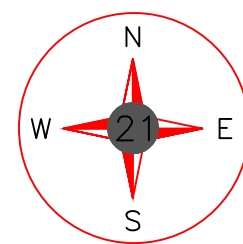
EXHIBIT C

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]

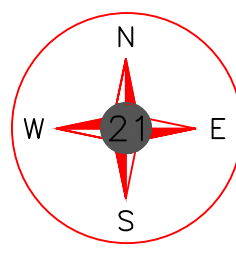
ROUGH SERVICE AREA MAP (v1)
BFF CORP
(PURCHASED WASTEWATER)
MARION, FL



Utility Note Disclaimer:
The utilities shown hereon are depicted based on the description provided by the system manager. 21 Design Group, Inc performed no field verification of the layout and are unable to determine the exact location at this time. The location represents approximate location only and should not be construed as being 100% accurate. It is shown to provide general layout of the system only and should not be used to interpret encroachments.

DATE:	07/08/21
PROJECT NO:	0633-20
DRAWN BY:	B.J.K.
SCALE:	
SHEET NAME:	
SERVICE AREA MAP	

ROUGH SERVICE AREA MAP (v2)
CFAT H2O INC.
(WATER & WASTEWATER)
MARION, FL



Utility Note Disclaimer:

The utilities shown hereon are depicted based on the description provided by the system manager. 21 Design Group, Inc performed no field verification of the layout and are unable to determine the exact location at this time. The location represents approximate location only and should not be construed as being 100% accurate. It is shown to provide general layout of the system only and should not be used to interpret encroachments.

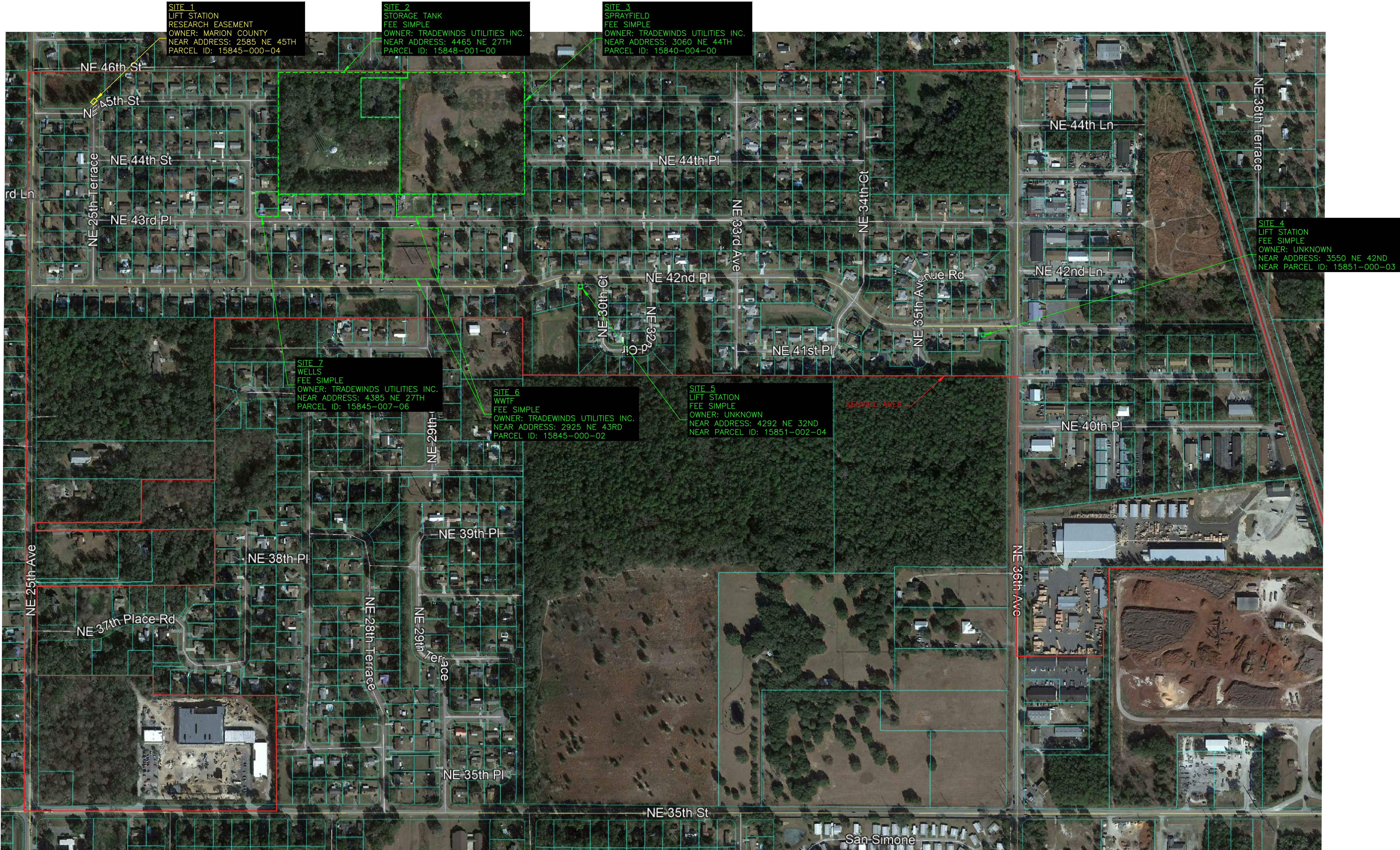
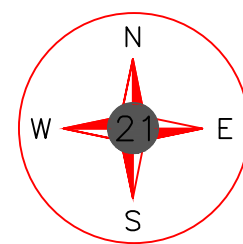
DATE:	7/28/21
PROJECT NO:	0633-20
DRAWN BY:	B.J.K.
SCALE:	
SHEET NAME:	
SERVICE AREA MAP	

21
DESIGN
GROUP INC.

1351 Jefferson, Suite 301
Washington, MO 63090

mail@21designgroup.net
P: 636-432-5029

ROUGH SERVICE AREA MAP (v2)
TRADEWINDS UTILITIES INC.
(WATER & WASTEWATER)
MARION, FL



Utility Note Disclaimer:

The utilities shown hereon are depicted based on the description provided by the system manager. 21 Design Group, Inc performed no field verification of the layout and are unable to determine the exact location at this time. The location represents approximate location only and should not be construed as being 100% accurate. It is shown to provide general layout of the system only and should not be used to interpret encroachments.

DATE:	07/28/21
PROJECT NO:	0633-20
DRAWN BY:	B.J.K.
SCALE:	
SHEET NAME:	SERVICE AREA MAP

21
DESIGN
GROUP INC.

1351 Jefferson, Suite 301
Washington, MO 63090

mail@21designgroup.net
P: 636-432-5029

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”]

EXHIBIT C

UTILITY NAME **CFAT H2O, INC.**

<p>YEAR OF REPORT December 31, 2020</p>

WATER UTILITY PLANT ACCOUNTS

ACCT NO. (a)	ACCOUNT DESCRIPTION (b)	PREVIOUS YEAR ©	ADDITIONS (d)	DELETIONS (e)	CURRENT YEAR (f)
300	Fixed Assets	4,548	2,814		7,362
302	FRANCHISES	-			-
303	LAND AND LAND RIGHTS	19,500			19,500
304	STRUCTURE AND IMPROVEMENTS	3,154			3,154
307	WELL AND SPRINGS	38,888			38,888
310	POWER GENERATION EQUIPMENT	22,587			22,587
311	PUMPING EQUIPMENT	116,510	6,855		123,365
320	WATER TREATMENT EQUIPMENT	13,314			13,314
330	DIST RESERVOIR & STANDPIPES	201,106			201,106
331	TRANSMISSION & DISTRIBUTION MAINS	83,968			83,968
333	SERVICES	15,635			15,635
334	METER AND METER INSTALLATIONS	55,813	2,451		58,264
339	OTHER PLANT AND MISC EQUIPMENT	2,021			2,021
343	TOOL SHOP AND GARAGE EQUIPMENT	207			207
	TOTALS	577,251	12,120	-	589,371

UTILITY NAME **CFAT H2O, INC.**

<p>YEAR OF REPORT December 31, 2020</p>

SEWER UTILITY PLANT ACCOUNTS

ACCT NO. (a)	ACCOUNT DESCRIPTION (b)	PREVIOUS YEAR ©	ADDITIONS (d)	DELETIONS (e)	CURRENT YEAR (f)
350	FIXED ASSETS	2,500			2,500
352	FRANCHISES	2,062			2,062
353	LAND & LAND RIGHTS	39,000			39,000
354	STRUCTURES AND IMPROVEMENTS	36,667	802		37,469
360	FORCE MAIN COLL LINES	81,058			81,058
361	GRAVITY FEED COLL LINES	45,657			45,657
362	SPECIAL COLL STRUCTURES	17,856			17,856
363	SERVICES TO CUSTOMERS	8,500			8,500
364	FLOW MEASURING DEVICES	90			90
365	FLOW MEASURING INSTALLATIONS	5,610			5,610
370	RECEIVING WELL - MANHOLES, LIFT STATIONS	150,086	6,412		156,498
380	TREATMENT AND DISPOSAL EQ	22,547			22,547
389	OTHER PLANT & MISC EQUIP	-			-
390	OFFICE FURNITURE & EQUIP	-			-
393	TOOLS, SHOP & GARAGE EQUIP	-			-
	TOTALS	411,633	7,214		418,847

EXHIBIT D

CSWR, LLC and Subsidiaries

Consolidated Financial Statements

December 31, 2020 and 2019



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RSM US LLP

Independent Auditor's Report

Board of Directors
CSWR, LLC and Subsidiaries

Report on the Financial Statements

We have audited the accompanying consolidated financial statements of CSWR, LLC and Subsidiaries, which comprise the consolidated balance sheets as of December 31, 2020 and 2019, the related consolidated statements of operations, member's equity and cash flows for the years then ended, and the related notes to the consolidated financial statements (collectively, the financial statements).

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of CSWR, LLC and Subsidiaries as of December 31, 2020 and 2019, and the results of their operations and their cash flows for the years the ended, in accordance with accounting principles generally accepted in the United States of America.

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AUDIT | TAX | CONSULTING

Other Matter

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The consolidating information is presented for purposes of additional analysis rather than to present the financial position and results of operations of the individual companies and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The consolidating information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements, or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

RSM US LLP

St. Louis, Missouri
March 11, 2021

CSWR, LLC and Subsidiaries

As of December 31, 2020 and 2019

Consolidated Balance Sheets

		2020	2019
Current Assets			
	Cash	\$	
	Accounts Receivable, net		
	Other Current Assets		
	Total Current Assets		
Property, Plant and Equipment, Net			
Non-Current Assets			
	Preliminary Survey and Investigation		
	Other Long-Term Assets		
	Total Non-Current Assets		
Goodwill			
Intangible Assets			
Total Assets		\$	
Current Liabilities			
	Accounts Payable	\$	
	Notes Payable - Current		
	Other Current Liabilities		
	Total Current Liabilities		
Long-Term Liabilities			
	Notes Payable, net of Current Portion		
	Contributions in Aid of Construction		
	Other Long-Term Liabilities		
	Total Long-Term Liabilities		
Member's Equity			
	Paid-In Capital		
	Retained Deficit		
	Total Member's Equity		
Total Liabilities and Member's Equity		\$	

See notes to consolidated financial statements

CSWR, LLC and Subsidiaries

For the years ended December 31, 2020 and 2019

Consolidated Statements of Operations

	<u>2020</u>	<u>2019</u>
Operating Revenue		
Operating Revenue	\$ [REDACTED]	[REDACTED]
Operating Expense		
Operations and Maintenance	[REDACTED]	[REDACTED]
General and Administrative	[REDACTED]	[REDACTED]
Depreciation and Amortization	[REDACTED]	[REDACTED]
Total Operating Expense	[REDACTED]	[REDACTED]
Operating Loss	[REDACTED]	[REDACTED]
Other Income (Expense)		
Other Revenue	[REDACTED]	[REDACTED]
Interest	[REDACTED]	[REDACTED]
Total Other Income (Expense)	[REDACTED]	[REDACTED]
Net Loss before Taxes	[REDACTED]	[REDACTED]
Income Tax Benefit	[REDACTED]	[REDACTED]
Net Loss	\$ [REDACTED]	[REDACTED]

See notes to consolidated financial statements

CSWR, LLC and Subsidiaries

For the years ended December 31, 2020 and 2019

Consolidated Statements of Member's Equity

	Paid-In Capital	Retained Deficit	Total Member's Equity
Balance at December 31, 2018	\$	\$	\$
Capital Contributions			\$
Net Loss			\$
Balance at December 31, 2019			\$
Capital Contributions			\$
Net Loss			\$
Balance at December 31, 2020	\$	\$	\$

See notes to consolidated financial statements

CSWR, LLC and Subsidiaries

For the years ended December 31, 2020 and 2019

Consolidated Statements of Cash Flows

	2020	2019
Cash Flows from Operating Activities		
Net Loss	\$	\$
Adjustments to reconcile net loss to net cash used in operating activities		
Depreciation and amortization		
Amortization of deferred financing costs to interest expense		
Loss on transfer of preliminary survey & investigation expense		
Loss on disposal of property, plant and equipment		
Interest capitalized to notes payable		
Interest capitalized to deferred financing costs		
Interest capitalized to allowance for funds used during construction		
Change in assets (increase) decrease		
Accounts receivable, net		
Other current assets		
Other long-term assets		
Change in liabilities - increase (decrease)		
Current liabilities		
Other long-term liabilities		
Net cash used in Operating Activities		
Cash Flows from Investing Activities		
Purchase of property, plant and equipment		
Acquisition of preliminary survey and investigation		
Net cash used in Investing Activities		
Cash Flows from Financing Activities		
Payments on notes payable		
Contributions for construction		
Capital contributions		
Net cash provided by Financing Activities		
Net Increase in Cash		
Cash, Beginning of Period		
Cash, End of Period	\$	\$

See notes to consolidated financial statements

NOTE 01: NATURE OF OPERATIONS AND BASIS OF PRESENTATION

Principles of Consolidation

The accompanying consolidated financial statements include the accounts of CSWR, LLC ("CSWR") and its wholly owned subsidiaries, Missouri Central States Water Resources, LLC ("Missouri Central States"), Arkansas Central States Water Resources, LLC ("Arkansas Central States"), Kentucky Central States Water Resources, LLC ("Kentucky Central States"), Texas Central States Water Resources, LLC ("Texas Central States") and Louisiana Central States Water Resources, LLC ("Louisiana Central States"), collectively "the Company".

The accounts of Missouri Central States' wholly owned subsidiaries are included. Those subsidiaries are: Hillcrest Utility Holding Company, Inc. ("Hillcrest"), Raccoon Creek Utility Holding Company, Inc. ("Raccoon Creek"), Indian Hills Utility Holding Company, Inc. ("Indian Hills"), Elm Hills Utility Holding Company, Inc. ("Elm Hills"), Confluence Rivers Utility Holding Company, Inc. ("Confluence Rivers") and Osage Utility Holding Company, Inc. ("Osage"), which in turn each own operating subsidiaries that carry out day-to-day operations of the Company.

The accounts of Arkansas Central States' wholly owned subsidiaries are also included. Those subsidiaries are: Hayden's Place Utility Holding Company, LLC ("Hayden's Place"), St. Joseph's Glen Utility Holding Company, LLC ("St. Joseph's Glen"), Sebastian Lake Utility Holding Company, LLC ("Sebastian Lake"), Eagle Ridge Utility Holding Company, LLC ("Eagle Ridge"), Flushing Meadows Utility Operating Company, LLC ("Flushing Meadows") and Oak Hill Utility Holding Company, LLC ("Oak Hill"), which in turn each own operating subsidiaries that carry out day-to-day operations of the Company.

The accounts of Kentucky Central States' wholly owned subsidiary, Bluegrass Water Utility Holding Company, LLC ("Bluegrass") are included. Bluegrass owns an operating subsidiary that carries out the day-to-day operations of the Company.

The accounts of Texas Central States' wholly owned subsidiary, CSWR-Texas Utility Holding Company, LLC ("CSWR-Texas") are included. CSWR-Texas owns an operating subsidiary that carries out the day-to-day operations of the Company.

The accounts of Louisiana Central States' wholly owned subsidiary, Magnolia Water Utility Holding Company, LLC ("Magnolia") are included. Magnolia owns an operating subsidiary that carries out the day-to-day operations of the Company.

The Company has additional, inactive subsidiaries which, while included in The Company's financial statements, are immaterial to the consolidated financial results.

All significant inter-company transactions and account balances have been eliminated in consolidation.

Nature of Operations and Acquisition

CSWR is a private water and wastewater utility company. The Company's primary purpose, through its subsidiaries, is to establish and maintain compliant water and wastewater treatment facilities for underserved communities and private facility owners by creating economically viable options compliant

NOTE 01: NATURE OF OPERATIONS AND BASIS OF PRESENTATION (continued)

with the Clean Water Act and the Safe Drinking Water Act. The Company holds certificates of public convenience and necessity granted by the Missouri Public Service Commission, ("Missouri PSC"), under which the Company provides water and wastewater services in Missouri. In the state of Kentucky, the Company holds certificates of public convenience and necessity granted by the Kentucky Public Service Commission, ("Kentucky PSC"), under which the Company provides water and wastewater services in Kentucky. In the state of Texas, the Company holds certificates of public convenience and necessity granted by the Public Utility Commission of Texas, ("Texas PUCT"), under which the Company provides water and wastewater services in Texas. In the state of Louisiana, the Company has been granted authority to operate water and wastewater systems by the Louisiana Public Service Commission, ("Louisiana PSC"). The Company also provides water and wastewater services in Arkansas; however, Arkansas Central States' subsidiaries are currently under the water and sewer revenue threshold that requires rate regulation from the Arkansas Public Service Commission, ("Arkansas PSC").

The Company is a wholly owned subsidiary of US Water Systems, LLC. (the "Parent").

NOTE 02: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The Company's policy is to prepare its consolidated financial statements on the accrual basis of accounting in conformity with accounting principles generally accepted in the United States of America (GAAP).

Use of Estimates

The preparation of consolidated financial statements in conformity with GAAP requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, the actual results could differ from those estimates.

Recognition of Revenue

On January 1, 2019, the Company adopted Accounting Standards Codification ("ASC") Topic 606, Revenue From Contracts With Customers using the modified retrospective approach, applied to contracts which were not completed as of January 1, 2019. Under this approach, periods prior to the adoption have not been restated and continue to be reported under the accounting standards in effect for those periods.

Under ASC 606, a performance obligation is a promise within a contract to transfer a distinct good or service, or a series of distinct goods and services, to a customer. Revenue is recognized when performance obligations are satisfied and the customer obtains control of promised goods or services. The amount of revenue recognized reflects the consideration which the Company expects to be entitled to receive in exchange for goods or services. Under the standard, a contract's transaction price is allocated to each distinct performance obligation. For contracts within the scope of ASC 606, the Company recognizes revenue through the following steps: 1) identifies the contract with a customer; 2) identifies the performance obligations within the contract; 3) determines the transaction price; 4) allocates the transaction price to the performance obligations in the contract; and 5) recognizes revenue when, or as, the Company satisfies each performance obligation.

NOTE 02: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

The Company's revenues from contracts with customers are discussed below. Customer payments for contracts are generally due within 30 days of billing and none of the contracts with customers have payment terms that exceed one year; therefore, the Company elected to apply the significant financing component practical expedient, and no amount of consideration has been allocated as a financing component.

The Company's revenue is generated from water and wastewater services delivered to customers. These contracts contain a single performance obligation, the delivery of water and wastewater services, as the promise to transfer the individual service is not separately identifiable from other promises within the contract and is not distinct. Revenue is recognized over time, as water and sewer services are provided, and includes amounts billed to customers on a cycle basis and unbilled amounts based on one month of service. The amounts the Company has a right to invoice are determined by a periodic flat fee, metered usage or both where applicable, indicating that the invoice amount corresponds directly to the value transferred to the customer. The Company elected to use the right to invoice and the disclosure of remaining performance obligations practical expedients for these revenues.

Income Taxes

CSWR, LLC has elected to be treated as a partnership for federal income tax purposes and does not record income taxes. Instead, its taxable earnings and losses are allocated in accordance with the Operating Agreement and are included in the income tax returns of the members. Accordingly, no provision is made for federal and state income taxes in the consolidated financial statements.

The Company's subsidiaries have elected to be treated as "C" Corporations. Income taxes are provided for the tax effects of transactions reported in the consolidated financial statements and consist of taxes currently due, plus deferred taxes related primarily to net operating losses timing differences.

The Company has assessed its federal and state tax positions and determined there were more likely than not no uncertainties or possible related effects that need to be recorded as of or for the years ended December 31, 2020 and 2019.

The federal and state income tax returns of the Company for the years ended December 31, 2020 and 2019 are subject to examination by the respective taxing authorities, generally for three years after they were filed.

Accounts Receivable

Accounts receivable includes utility customer accounts receivable, which represent amounts billed to water and wastewater customers on a cycle basis. Accounts receivable also includes unbilled revenue for services provided but not billed to customers. Credit is extended based on the guidelines of the applicable state regulatory body and collateral is generally not required.

The Company provides an allowance for doubtful accounts equal to the estimated losses that will be incurred in the collection of accounts receivable. This estimate is based on historical experience coupled with a review of the current status of existing receivables. The allowance and associated accounts

NOTE 02: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

receivable are reduced when the receivables are determined to be uncollectible. The allowance at December 31, 2020 and 2019 was [REDACTED] respectively.

Property, Plant and Equipment

Property, plant and equipment is generally stated at cost. Major additions and improvements are capitalized and, where rate regulated, placed in service subject to review and revaluation by the applicable state regulatory body, while maintenance and repairs are expensed as incurred. When assets are sold or otherwise disposed of, the related cost and accumulated depreciation are removed from the accounts. Any gain or loss arising from such disposition is included as income or expense in the year of disposition.

Depreciation is computed using the straight-line method over the estimated useful lives of the assets. The estimated lives for computing depreciation and amortization on property, plant and equipment are:

Utility Plant in Service - Sewer	10-50 Years
Utility Plant in Service - Water	10-50 Years
Furniture, Fixtures, and Other	7-20 Years

Preliminary Survey and Investigation Charges

The Company capitalizes all expenditures for preliminary surveys, plans, investigations and other expenditures made for the purpose of determining the feasibility of the acquisition of system assets. When the acquisition of system assets occurs, these costs are reclassified to the appropriate utility plant account. If the initiative is abandoned, the costs are expensed in the period in which Management makes the determination.

Regulation

The Company's Missouri, Kentucky, Texas and Louisiana utilities are subject to economic regulation by the respective PSCs. The Missouri PSC, Kentucky PSC, Texas PUC and Louisiana PSC generally authorize revenue at levels intended to recover the estimated costs of providing service, plus a return on net investments, or rate base. The Missouri PSC approved a rate increase April 8, 2020 with an effective date of July 1, 2020 for Confluence Rivers and a rate increase December 30, 2020 with an effective date of January 29, 2021 for Elm Hills. Regulators may also impose certain penalties or grant certain incentives. Due to timing and other differences in the collection of utility revenue, an incurred cost that would otherwise be charged to expense by a non-regulated entity is (at the direction of the state PSC) to be deferred as a regulatory asset if it is probable that the cost is recoverable in future rates. Conversely, GAAP requires the recording of a regulatory liability for amounts collected in rates to recover costs expected to be incurred in the future or amounts collected in excess of costs incurred and refundable to customers.

The Company had a regulatory asset of \$[REDACTED] ("Other Long-Term Assets"), with accumulated amortization of [REDACTED] and [REDACTED] at December 31, 2020 and 2019 respectively. Amortization expense for the periods ended December 31, 2020 and 2019 was [REDACTED] and [REDACTED] respectively.

The Company's net regulatory liability for removal costs recoverable through rates at December 31, 2020 and 2019 was [REDACTED] and [REDACTED] respectively. Salvage expense of the liability for removal costs was [REDACTED] and [REDACTED] for the periods ended December 31, 2020 and 2019 respectively.

NOTE 02: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

These liabilities are included in Property, Plant and Equipment, Net as a subset of accumulated depreciation.

Contributions in Aid of Construction

Regulated utilities may receive advances for construction and/or contributions in aid of construction from customers, home builders, real estate developers, home-owners associations, etc., to fund construction necessary to extend or enhance services or operating facilities to new areas. Advances that are no longer refundable are reclassified as contributions of capital. Contributions are permanent collections of plant assets or cash for a specific capital construction project. For tariff ratemaking purposes, the amount of such contributions generally serves as a rate base reduction since the contributions represent non-investor supplied funds. Generally, the Company depreciates utility plants funded by contributions and amortizes its contributions balance as a reduction to depreciation expense, producing a result which is functionally equivalent to reducing the original cost of the utility plant for the contributions. Amortization of contributions in aid of construction was [REDACTED] and [REDACTED] for the periods ended December 31, 2020 and December 31, 2019, respectively.

Goodwill and Other Intangible Assets

Included in the Company's financials are goodwill and intangible assets which are the result of pushdown accounting from its parent. Goodwill arising from business combinations is generally determined as the excess of the fair value of the consideration transferred, plus the fair value of any noncontrolling interests in the acquiree, over the fair value of the net assets acquired and liabilities assumed as of the acquisition date. Goodwill and intangible assets acquired in a purchase business combination and determined to have an indefinite useful life are not amortized but tested for impairment at least annually or more frequently if events and circumstances exists that indicate that a goodwill impairment test should be performed. The Company has selected December 31 as the date to perform the annual impairment test. Intangible assets with definite useful lives are amortized over their estimated useful lives to their estimated residual values. Goodwill, the Trade Name and Certificate of Convenience and Necessity have an indefinite life on the consolidated balance sheets. There are no intangible assets with a definite life on the consolidated balance sheets.

New Accounting Pronouncements

In February 2016, the FASB issued Accounting Standards Update ("ASU") 2016-02, Leases: Amendments to the FASB Accounting Standards Codification, which amends the existing guidance on accounting for leases, and is effective for fiscal years beginning after December 15, 2021 for entities other than public business entities. This ASU requires the recognition of lease assets and liabilities on the consolidated balance sheets and the disclosure of key information about leasing arrangements. Early adoption is permitted and modified retrospective application is required for leases that exist or are entered into after the beginning of the earliest comparative period in the consolidated financial statements. The Company is currently evaluating the impact, if any, of adopting ASU 2016-02 on the Company's consolidated financial statements and related disclosures.

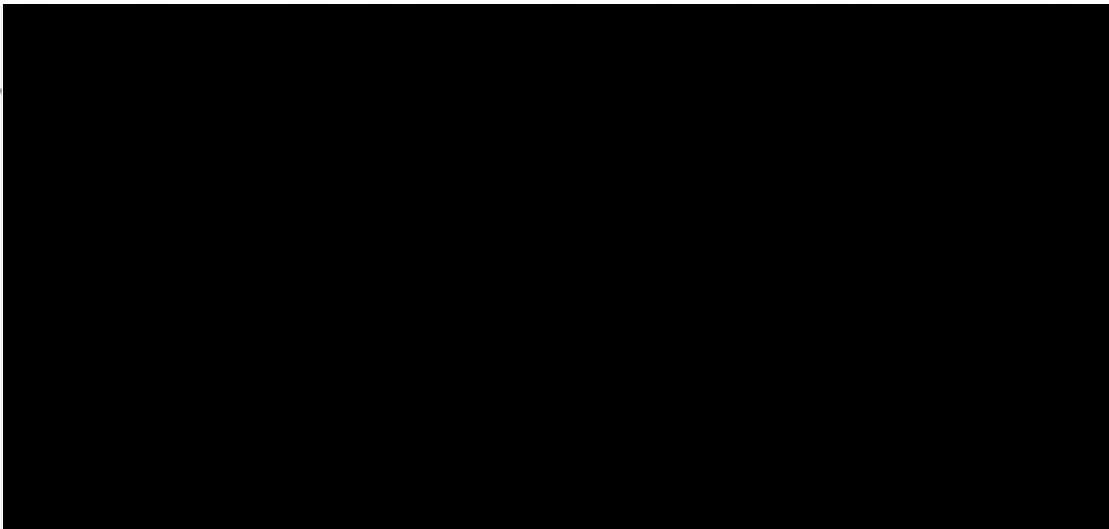
In June 2016, the FASB issued ASU 2016-13, Financial Instruments-Credit Losses. The standard requires a financial asset (including trade receivables) measured at amortized cost basis to be presented at the net amount expected to be collected. Thus, the income statement will reflect the measurement of credit

NOTE 02: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

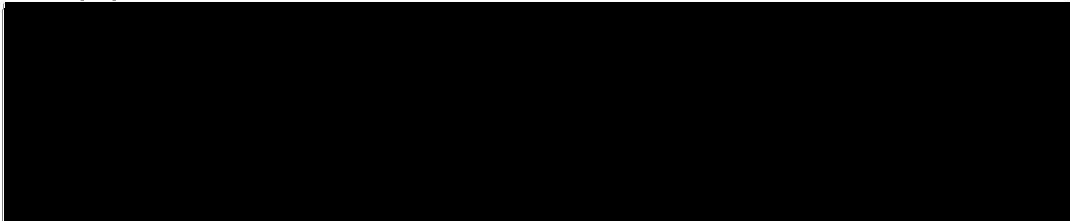
losses for newly recognized financial assets as well as the expected increases or decreases of expected credit losses that have taken place during the period. This standard will be effective for the calendar year ending December 31, 2022. The Company is currently in the process of evaluating the impact, if any, of adoption of this ASU on the consolidated financial statements.

NOTE 03: ASSET PURCHASES AND FACILITY OPERATIONS

Asset Purchases



Facility Operations



NOTE 04: CONSOLIDATED STATEMENT OF CASH FLOWS

Cash paid for interest during the periods ending December 31, 2020 and December 31, 2019 was [REDACTED] and [REDACTED] respectively. The Company did not have any cash paid for income taxes during the periods ended December 31, 2020 and 2019.

As of December 31, 2020, [REDACTED] in property, plant and equipment and [REDACTED] in preliminary survey and investigation charges were funded by accounts payable. Preliminary survey and investigation

NOTE 04: CONSOLIDATED STATEMENT OF CASH FLOWS (continued)

charges totaling [REDACTED] were reclassified to property, plant, and equipment during the period ending December 31, 2020.

As of December 31, 2019, [REDACTED] in property, plant and equipment and [REDACTED] in preliminary survey and investigation charges were funded by accounts payable. Preliminary survey and investigation charges totaling [REDACTED] were reclassified to property, plant, and equipment during the period ending December 31, 2019. Interest capitalized to property, plant, and equipment was [REDACTED] for the period ending December 31, 2019.

NOTE 05: CASH CONCENTRATION

As of December 31, 2020 and 2019, the Company's cash balance per depositor exceeded federally insured limits.

NOTE 06: PROPERTY, PLANT AND EQUIPMENT

Capital assets, consisting of property, plant and equipment purchased or constructed by the Company, are stated at cost. Depreciation has been computed over the estimated useful life of each asset using the straight-line method. Interest costs have been capitalized based on the average outstanding capital expenditures. In addition, certain technical and engineering related studies associated with the project have also been capitalized and included in the basis of the assets.

Major classes of property, plant and equipment consist of the following:

	2020	2019
Utility Plant in Service - Sewer	\$ [REDACTED]	\$ [REDACTED]
Utility Plant in Service - Water	[REDACTED]	[REDACTED]
Furniture, Fixtures and Other	[REDACTED]	[REDACTED]
Less: Accumulated Depreciation	[REDACTED]	[REDACTED]
In Service Property, Plant and Equipment - Net	\$ [REDACTED]	\$ [REDACTED]
Construction Work in Progress	[REDACTED]	[REDACTED]
Property, Plant & Equipment Net	\$ [REDACTED]	\$ [REDACTED]

Net depreciation expense for the periods ended December 31, 2020 and December 31, 2019 totaled and [REDACTED] and [REDACTED] which consisted of [REDACTED] and [REDACTED] in depreciation on property, plant and equipment, net salvage expense of the regulatory assets and liabilities [REDACTED] and [REDACTED] respectively, as disclosed in Note 2, and [REDACTED] and [REDACTED] in reduction of expense for amortization of contributions in aid of construction as disclosed in Note 2, respectively.

NOTE 07: NOTES PAYABLE – RELATED PARTY

The Company, through its subsidiaries, entered into agreements with [REDACTED] a related party through common ownership, at various times between 2016 and 2018, for a maximum principal amount of [REDACTED]. Associated with the agreements were construction notes payable to provide financing for the construction, improvements, and equipment for the Company's subsidiaries. During the construction period, all interest accrued on the loan was rolled into the principal balance of the loan. [REDACTED] For some of these construction notes payable, the Company was not obligated to make any payments of interest or principal on the accrued interest or the principal amount owed until the first calendar month immediately following the construction completion date, at which point principal and interest payments are due monthly at various maturities between October 2036 and December 2039. As of December 31, 2020, and 2019, the outstanding loan balance, including accrued interest and origination fee, was [REDACTED] and [REDACTED] and unamortized deferred financing costs were [REDACTED] and [REDACTED] respectively. The outstanding loan balance, including capitalized interest and origination fee, less unamortized financing costs is as follows as of December 31:

	2020	2019
Notes Payable balance, including accrued interest and origination fee	[REDACTED]	[REDACTED]
Unamortized deferred financing costs	[REDACTED]	[REDACTED]
Current portion of notes payable	[REDACTED]	[REDACTED]
Notes Payable, net of current portion	[REDACTED]	[REDACTED]

Future maturities of notes payable are as follows:

Years ending December 31,

2021	[REDACTED]
2022	[REDACTED]
2023	[REDACTED]
2024	[REDACTED]
2025	[REDACTED]
Thereafter	[REDACTED]

The agreements are secured by specific portions of the Company's assets and require adherence to specific restrictive covenants. For the years ending December 31, 2020 the Company had not satisfied certain covenant obligations. Through the date of issuance of the independent auditors report the debt has not been called and as of December 31, 2020, the lender provided written covenant waivers evidencing that no event of default has occurred which would cause the lender to exercise before April 1, 2022, its options to pursue the remedies outlined in the loan agreements.

NOTE 07: NOTES PAYABLE -RELATED PARTY (continued)

Deferred Financing Costs

Costs incurred in connection with financing activities are deferred and amortized to interest expense using the straight-line method over the terms of the related debt agreement. The straight-line method approximates the deferred interest method. Unamortized deferred financing costs of [REDACTED] and [REDACTED] are included in the accompanying consolidated balance sheets as a reduction of debt at December 31, 2020 and 2019, respectively. Amortization expense included in interest expense was [REDACTED] and [REDACTED] for the periods ended December 31, 2020 and 2019, respectively.

NOTE 08: OPERATING LEASE

The Company has a lease agreement for office space. During 2020, the prior lease agreement expired and the Company entered a new agreement. Under the expiring lease agreement, the Company paid monthly rent payments of [REDACTED] per month through March 2020. The Company's current lease has a term of five years and requires monthly rent payments of [REDACTED] beginning April, 2020 through March 2025.

Total future minimum commitments related to these leases are as follows:

2021 -	[REDACTED]
2022 -	[REDACTED]
2023 -	[REDACTED]
2024 -	[REDACTED]
2025 -	[REDACTED]
Total -	[REDACTED]

The current lease agreement included a leasehold incentive as reimbursement for costs related to improving the leasehold and preparing the space for the Company's use. This incentive totaled [REDACTED] and was a receivable, included in Other Current Assets, to The Company at December 31, 2020. The incentive also results in a liability which is to be amortized over the life of the lease as a reduction of rent expense. The Leasehold Incentive Liability is recorded on the Company's financial statements, net of accumulated amortization of [REDACTED] in Other Long-Term Liabilities. Rent expense amounted to [REDACTED] and [REDACTED] for the periods ended December 31, 2020 and December 31, 2019, respectively. Amortization expense of the Leasehold Incentive Liability amounted to [REDACTED] for the period ended December 31, 2020.

NOTE 09: EMPLOYEE BENEFIT PLAN

The Company has a retirement plan for its employees which allows participants to make contributions by salary reduction pursuant to Section 401(k) of the Internal Revenue Code. The Company can make a discretionary profit-sharing contribution to employees any time during the year. Employees vest immediately in their contributions and the Company's profit-sharing contributions. The Company's contributions to the 401(k) plan totaled [REDACTED] and [REDACTED] for the periods ended December 31, 2020, December 31, 2019, respectively.

NOTE 10: COMMITMENTS AND CONTINGENCIES

The Company is involved in various claims and legal actions arising in the ordinary course of business. In the opinion of the Company's management, the probable resolution of such contingencies will not have a material adverse effect on the financial position, cash flows or results of operations of the Company.

NOTE 11: INCOME TAXES AND LOSS CARRYFORWARD

Deferred income tax provisions/benefits for the Company's C-Corp subsidiaries are calculated for certain transactions and events because of differing treatments under accounting principles generally accepted in the United States of America and the currently enacted tax laws of the federal, state, and local governments. The Company accounts for federal income taxes in accordance with FASB ASC 740, whereby deferred taxes are provided on temporary differences arising from assets and liabilities whose bases are different for financial reporting and income tax purposes. Current deferred federal income taxes relate primarily to timing differences including a net operating loss carryforward and certain expenses that are not deductible for tax purposes. Deferred income tax assets and liabilities are computed for those temporary differences that have future tax consequences using the currently enacted tax laws and rates that apply to the periods in which they are expected to affect taxable income. Examples of these temporary differences include the future tax benefits of operating loss carryforwards recognized for financial reporting purposes and the allowance for doubtful accounts which will provide a tax benefit only upon the direct write off of customer balances.

The net deferred tax asset consists of the following components as of December 31:

	2020	2019
Accumulated net operating loss		
Allowance for doubtful accounts		
Deferred tax asset/(liability)		
Less valuation allowance		
Deferred tax asset/(liability) - Net	\$ -	\$ -

The deferred tax assets as of December 31, 2020 and 2019 are a result of net operating losses for federal and state taxes that are available for carryforward to future periods and certain timing differences. There is a degree of uncertainty inherent in determining if it is more likely than not that the benefits from certain net operating loss carryforwards and other deferred tax assets may not be realized. Management has assessed this risk and has provided a valuation allowance of [REDACTED] and [REDACTED] on these deferred tax assets as of December 31, 2020 and 2019, respectively until the company starts to generate taxable income.

It is reasonably possible that management's estimate of the amount of tax benefit the Company will realize from the use of the tax loss carryforwards and other timing differences will change significantly in the future along with the related tax benefits.

NOTE 12: RECLASSIFICATIONS

Certain reclassifications have been made to the prior year consolidated financial statements to conform to the current year presentation. Total assets, total liabilities, and net loss were not affected.

NOTE 13: SUBSEQUENT EVENTS

Subsequent to year end, the Company paid approximately [REDACTED] to acquire certain operating assets, primarily property, plant and equipment, that provides water supply and distribution services, and sewer collection and treatment services in Missouri, Texas, Kentucky and Louisiana. The assets acquired are expected to approximate the amount paid.

Management has evaluated subsequent events through the date of the independent auditors report, March 11, 2021, the date these consolidated financial statements were available to be issued.

CSWR, LLC and Subsidiaries
Supplemental Information to the
Consolidated Financial Statements
For the year ended December 31, 2020

CONSOLIDATING BALANCE SHEETS

	Consolidated	Consolidation Elimination	CSWR, LLC	Missouri-CSWR	Hillcrest	Raccoon Creek	Indian Hills	Confluence Rivers	Elm Hills	Osage	Louisiana-CSWR	Magnolia
Current Assets												
Cash												
Accounts Receivable, net												
Other Current Assets												
Total Current Assets												
Property, Plant and Equipment, Net												
Non-Current Assets												
Preliminary Survey & Investigation												
Investment in Associated Companies												
Receivable from Associated Companies												
Other Long-Term Assets												
Total Non-Current Assets												
Goodwill												
Intangible Assets												
Deferred Income Tax												
Total Assets												
Current Liabilities												
Accounts Payable												
Notes Payable - Current												
Other Current Liabilities												
Total Current Liabilities												
Long-Term Liabilities												
Notes Payable, net of Current Portion												
Payable to Associated Companies												
Contributions in Aid of Construction												
Other Long-Term Liabilities												
Total Long-Term Liabilities												
Deferred Income Tax Liability												
Members' Equity												
Paid-In Capital												
Retained Deficit												
Total Members' Equity												
Total Liabilities and Equity												

CSWR, LLC and Subsidiaries
Supplemental Information to the
Consolidated Financial Statements
For the year ended December 31, 2020

CONSOLIDATING BALANCE SHEETS

	Kentucky- CSWR	Bluegrass	Arkansas- CSWR	Hayden's Place	St. Joseph's Glen	Sebastian Lake	Eagle Ridge	Oak Hill	Flushing Meadows	TX-CSWR	CSWR-TX Operating	Inactive Entities
Current Assets												
Cash												
Accounts Receivable, net												
Other Current Assets												
Total Current Assets												
Property, Plant and Equipment, Net												
Non-Current Assets												
Preliminary Survey & Investigation												
Investment in Associated Companies												
Receivable from Associated Companies												
Other Long-Term Assets												
Total Non-Current Assets												
Goodwill												
Intangible Assets												
Deferred Income Tax												
Total Assets												
Current Liabilities												
Accounts Payable												
Notes Payable - Current												
Other Current Liabilities												
Total Current Liabilities												
Long-Term Liabilities												
Notes Payable, net of Current Portion												
Payable to Associated Companies												
Contributions in Aid of Construction												
Other Long-Term Liabilities												
Total Long-Term Liabilities												
Deferred Income Tax Liability												
Members' Equity												
Paid-In Capital												
Retained Deficit												
Total Members' Equity												
Total Liabilities and Equity												

CSWR, LLC & Subsidiaries
Supplemental Information to the
Consolidated Financial Statements
For the year ended December 31, 2020

CONSOLIDATING STATEMENT OF OPERATIONS

	Consolidated	CSWR, LLC	Missouri- CSWR	Hillcrest	Raccoon Creek	Indian Hills	Confluence Rivers	Elm Hills	Osage	Louisiana- CSWR	Magnolia
Operating Revenue											
Operating Revenue											
Operating Expense											
Operations and Maintenance											
General and Administrative											
Depreciation and Amortization											
Total Operating Expense											
Operating Loss											
Other Income (Expense)											
Other Revenue											
Interest											
Total Other Income (Expense)											
Net Loss before Taxes											
Net Income (Loss)											

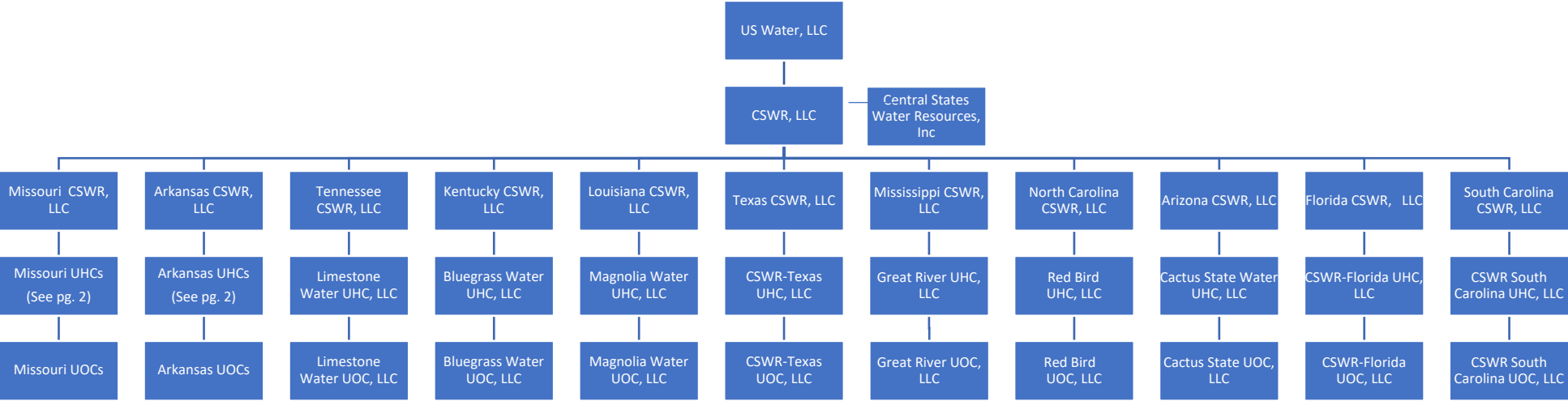
CSWR, LLC & Subsidiaries
 Supplemental Information to the
 Consolidated Financial Statements
 For the year ended December 31, 2020

CONSOLIDATING STATEMENT OF OPERATIONS

	Kentucky- CSWR	Bluegrass	Arkansas- CSWR	Hayden's Place	St. Joseph's Glen	Sebastian Lake	Eagle Ridge	Oak Hill	Flushing Meadows	TX-CSWR	CSWR-TX Operating	Inactive Entities
Operating Revenue												
Operating Revenue												
Operating Expense												
Operations and Maintenance												
General and Administrative												
Depreciation and Amortization												
Total Operating Expense												
Operating Loss												
Other Income (Expense)												
Other Revenue												
Interest												
Total Other Income (Expense)												
Net Loss before Taxes												
Net Income (Loss)												

EXHIBIT E

Central States Water Resources Corporate Entity Organizational Chart



Missouri & Arkansas CSWR Organizational Chart Detail

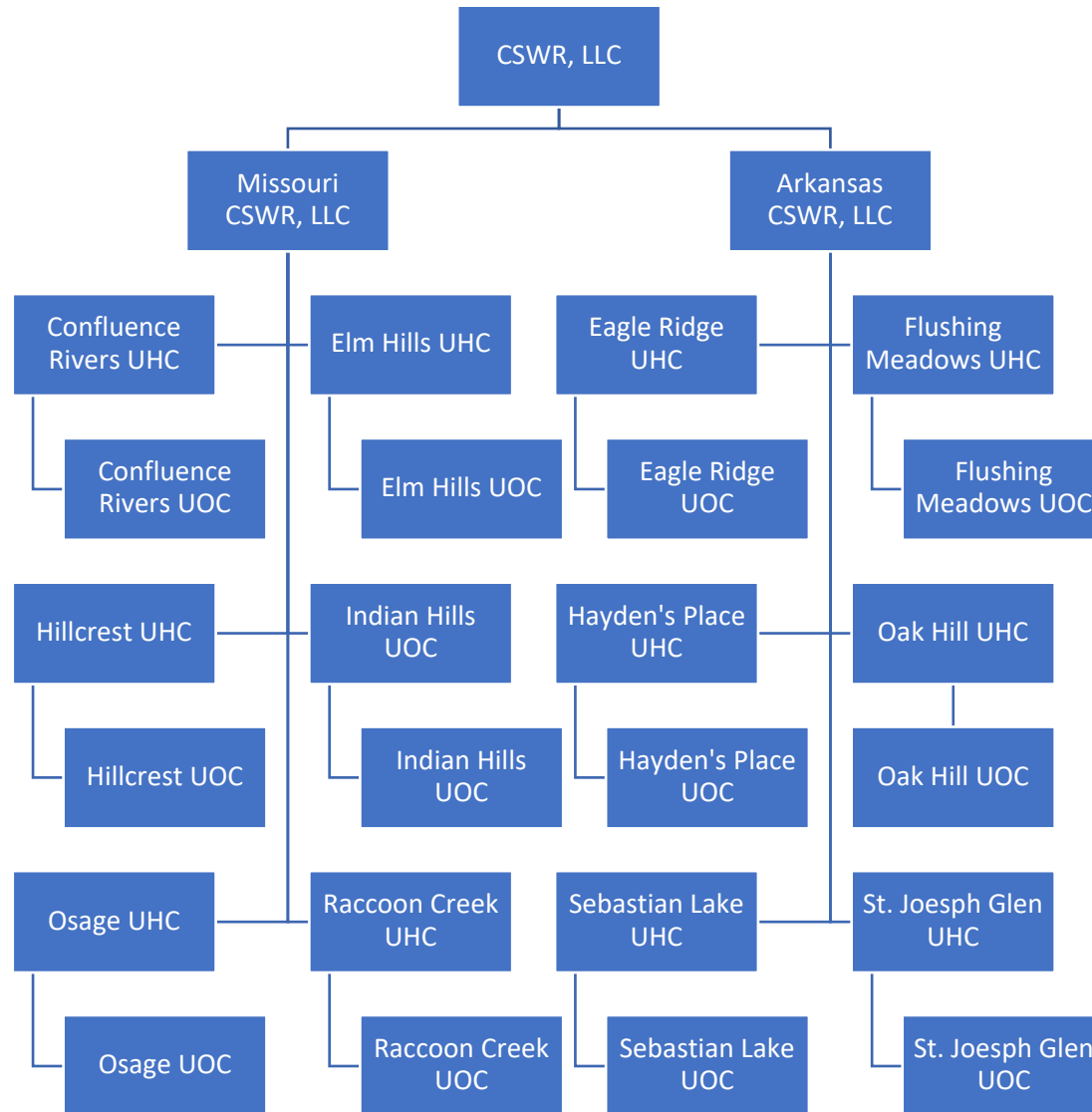


EXHIBIT F

Josiah Cox – President

Mr. Cox is President of CSWR-Florida Utility Operating Company, LLC, and also of CSWR, LLC. Both companies are part of an affiliated group that provide water or wastewater utility services to more than 40,000 customers in six states.

Mr. Cox received a Bachelor of Science with a major in Environmental Science from the University of Kansas. Professionally he has worked at the Kansas state biological survey, where he performed a wildlife habitat study. He then worked at a civil engineering firm where he was involved in various facets of the land development process including permitting, entitlement, civil design, project management, and construction management. He focused mainly on the water and wastewater side of the civil engineering business and participated in every part of that business from waste-load allocation studies (now known as the anti-degradation processes), design, permitting, project management, and construction management. He also ran the firm's environmental consulting division and was the second private consultant to submit a water quality impact study in the state of Missouri in 2003. He joined the engineering firm's executive leadership team and helped run all the firm's operations.

Beginning in 2005, he formed a full-service civil engineering, environmental consulting, general contracting, and construction management firm. He obtained extensive experience with rural communities in every facet of the water and wastewater compliance process, including environmental assessment, permitting, design, construction, operation and community administration of the actual water and wastewater (sewerage) systems. The firm performed stream sampling and built waste-load allocation models to determine receiving water-body protective permit-able effluent pollutant loads. They did full engineering design of multiple whole community wastewater and water infrastructure systems including wells, water distribution, water treatment, water storage, wastewater conveyance, and wastewater treatment plants and taken these designs through federal and state administered permitting processes in Missouri. The engineering firm also administered the construction of these water and wastewater systems from green field site selection all the way through system startup and final engineering sign-off. During this time, he also began the Master of Business Administration (MBA) program at Washington University in St. Louis, from which he graduated in 2007.

In addition, starting in 2008, he took over the operations of an existing rural sewer district, and he still operates a system managing the functioning, testing, and maintenance of the system. He also acts as the administrator for this municipal system performing all the billing, emergency response, accounts payable/accounts receivable, collections, budgeting, customer service, and public town meetings required to service the community.

In late 2010, after working on several small, failing water and wastewater systems, Mr. Cox created a business plan to acquire and recapitalize failing systems as investor-owned regulated water and wastewater utility companies. In early 2011, he went to the capital markets to raise money to implement his plan, and over a period of approximately three years met with over fifty-two infrastructure investment groups trying to raise necessary financing. In February 2014, he was able to raise sufficient debt and equity capital to start CSWR. In 2018, he attracted an additional large institutional private equity investor, which allowed CSWR to expand the scope

of its business plan. Since its formation, CSWR has acquired, and currently is operating more than 257 water and/or wastewater systems in Missouri, Kentucky, Louisiana, Texas, Tennessee, and Arkansas.

Marty Moore – Chief Financial Officer

Marty Moore is the Chief Financial Officer of CSWR, LLC and has held this position since April 2020. As CFO, Mr. Moore provides leadership, direction, and management to the finance and accounting teams, manages the process for financial forecasting, budgeting, and reporting and oversees the human resources and risk management functions.

After receiving a Bachelor of Business Administration in Accounting from Abilene Christian University, he gained a wide range of experience. Moore's extensive senior-level finance and operational experience includes serving as CFO of international automation equipment manufacturer Baldwin Technology Co., a company he helped Barry-Wehmiller/Forsyth Capital take private in 2012. Prior to that, Mr. Moore held senior leadership positions with Summit Marketing, Consolidated Terminals, Barnhill's Buffet Inc., and Global Materials Services. He began his career at Arthur Andersen. Moore most recently led finance and corporate services as CFO of Gardner Capital, a national affordable housing and renewable energy developer, investor, and tax credit syndicator. He has an extensive background in mergers and acquisitions and will work alongside Mr. Cox in accelerating the company's already rapid growth trajectory.

Todd Thomas – Vice President

Todd Thomas holds the office of Senior Vice President of CSWR, LLC. Mr. Thomas received his Bachelor of Science in Civil Engineering from The Missouri University of Science and Technology, and a Master of Business Administration from Washington University in St. Louis.

Before joining CSWR, Mr. Thomas was President of Brotcke Well and Pump, Vice President of Operations and Business Development of the Midwest for American Water Contract Operations, and General Manager of Midwest Operations for Environmental Management Corporation. Mr. Thomas currently serves on the Technical Advisory Team for the Public Water Supply District 2 of St. Charles County, MO.

Mr. Thomas's previous employment provided him extensive experience in water and sewer utilities. He has extensive firsthand experience with how much damage can be done by lack of maintenance on a well system and how much money and effort is required to restore a well system after neglect.

In his position as Senior Vice President at CSWR, Mr. Thomas's main responsibilities include utility operations along with the acquisition, development, and rate stabilization of CSWR-affiliated utilities. Those duties include operations, maintenance, capital planning, and regulatory compliance for all affiliate-owned facilities. He is responsible for the management of all operations and maintenance service providers, customer service and billing service providers, and engineering firms.

Mike Duncan –Vice President

Mike Duncan is the Vice President of CSWR, LLC and was promoted to that position in October 2020. As Vice President, he has played an integral role in preparing, filing, and processing acquisition applications in Missouri, Kentucky, Tennessee, Louisiana, Texas, North Carolina, and Mississippi. He also has taken a leading role in preparing and filing rate cases in Missouri, Kentucky, and Louisiana.

After receiving a Bachelor of Arts degree from Washington University in St. Louis, the first eleven years of his career were spent as an administrator and later director at a non-profit organization in St. Louis, Missouri. As Director he oversaw accounting, finance, human resources, IT, and communications for the organization. During his employment he received a master's in business administration from Olin School of Business at Washington University. Prior to his employment with CSWR, he spent two years as Director of Operation with Auto Tire & Parts Napa, a partner-owned chain of auto parts stores, overseeing projects related to distribution, logistics, IT, and general management.

Stacy Culleton – Director of Customer Experience

Stacy Culleton is the Director of Customer Experience of CSWR, LLC. She has held this position since March 2020, and previously held the position of Project Manager. As Director of Customer Experience, Stacy leads the development, implementation and evaluation of strategic, tactical, and operational customer engagement plans, programs, and initiatives. She also advises the executive team regarding customer satisfaction measures, customer experience strategies, and drives the ongoing development of a customer service culture.

After receiving her Bachelor of Business Administration degree in Management from Lindenwood University, Stacy held positions as Director of Client Services at Unit 4 Education Solutions, Senior Business System Analyst and Sales Planning and Reporting Manager at Allianz Global Corporate and Specialty, Senior Product Manager at Unit 4, and Senior Consultant at Daugherty Business Solutions. Her experience and extensive background in managing teams helps ensure an exceptional customer experience and provides the technical and managerial expertise needed to run this critical customer service function.

Jake Freeman – Director of Engineering

Jake Freeman is the Director of Engineering of CSWR, LLC and has held this position since January 2019. As Director of Engineering, he oversees all engineering, surveying, and facility construction upgrades for all newly acquired CSWR water and sewer utilities including those in Missouri, Arkansas, Kentucky, Louisiana, Texas, Mississippi, Tennessee, and North Carolina. He also oversees ongoing capital upgrade projects on all CSWR affiliated and operated facilities.

After receiving a Bachelor of Science degree in Mechanical Engineering from the University of Missouri – Columbia, he spent the first two years of his career working for Corrigan Mechanical, a design-build mechanical contractor in St. Louis designing, estimating, and

managing plumbing, HVAC and process piping construction projects in Missouri and southern Illinois. He then spent eleven years performing similar tasks for Brotcke Well & Pump, a well and pump service contractor servicing water wells and water treatment equipment throughout Missouri, Illinois, Kentucky, and Kansas. Prior to his employment with CSWR, he was serving as Vice President of Brotcke Well & Pump and Principal for their engineering services and managing their newly opened office in Kansas City.

Jami Favor - Environmental, Health and Safety Director

Jami Favor holds the office of Environmental, Health and Safety Director of CSWR, LLC. Mr. Favor holds several top water and wastewater certifications throughout the country. Mr. Favor also has received his Associate of Science in Ecological Controls and Associate of Applied Arts.

Before joining CSWR, Mr. Favor worked for Woodard and Curran's as an Area Manager of Contract Operations and Maintenance for Public Water Supply District 2 of St. Charles County, Missouri, and General Manager of a similar system in Quincy, Washington. Mr. Favor's responsibilities included budget and financial accountability, creating, and implementing capital improvement plans, daily operations of wastewater and water treatment facilities, including both industrial wastewater and reuse facilities that provided highly efficient softening and reverse osmosis treatment to industrial customers, implementation and oversight of Industrial Pretreatment Programs, collection, and water distribution maintenance.

Mr. Favor's previous employment provided him extensive experience in water and sewer utilities. He has extensive firsthand experience in managing water and wastewater treatment facilities safely and in a financially and operationally sound manner.

In his position as Environmental, Health and Safety Director at CSWR, Mr. Favor's main responsibilities include budgeting/financial accountability of operations, identifying capital improvements projects, overseeing regulatory compliance, implementing Computer Maintenance Management System and Regulatory Databases for all CSWR-affiliated facilities, development of safety programs, and overseeing third party Operations and Maintenance contractors of CSWR facilities.

EXHIBIT G

DESCRIPTION OF TERRITORY SERVED

The following described lands located in portions of Sections 16 and 21, Township 14 South, Range 22 East, Marion County, Florida:

Section 16: Southwest 1/4 of Southeast 1/4, except the North 475 feet; Southeast 1/4 of Southeast 1/4; South 3 chains of Northeast 1/4 of Southeast 1/4.

Section 21: East 1/2 of Northeast 1/4.

EXHIBIT H

CFAT Water – Landfair Water (Water)

Facility Information:

Water System: PWS# FL3424690

Ocala, Marion County, FL

~240 Service connections

Assets: 2 Groundwater Wells, Hydropneumatic Tank (20,000-gallon), Elevated Storage Tank (200,000-gallon), and Distribution System

Compliance History

Reviewing the EPA (SDWIS) compliance history of the Landfair water facility does not have any recent violations. The most recent violations were several monitoring violations in 2017 and 2020. The last health-based violation occurred in 2008.

Description of need:

The Tradewinds water facility should only need general renovation and repair work to the existing infrastructure at this time. We will budget for well improvements, storage improvements, and distribution system improvements.

Proposed Improvements:

At this time, we will budget for well renovations, including installation of remote monitoring and flow metering, tank rehabilitations, and distribution system improvements.

Tradewinds Utilities, Inc – Tradewinds WWTF (Sewer)		
No.	Description	Cost
1	Install Mission Remote Monitoring (Qty. 2)	\$20,000
2	Water Well Rehabilitation (Qty. 2)	\$100,000
3	Hydropneumatic Tank Rehabilitation (Qty. 1)	\$20,000
2	Elevated Storage tank Rehabilitation (Qty. 1)	\$30,000
3	Distribution System Repairs	\$30,000
Total		\$200,000

CFAT Sewer – Landfair WWTF (Sewer)

Facility Information:

Wastewater System: Permit# FLA010722

Ocala, Marion County, FL

~240 Service connections

Assets: Extended Aeration Wastewater Treatment Plant W/Effluent To Holding Pond, chlorine contact chamber, effluent flow metering, and Then To Two (2) Percolation Ponds, with monitoring wells, surge tank for wet weather events

Compliance History

Reviewing the Florida Department of Environmental Protection compliance history of the Tradewinds plant shows a history of noncompliance. Looking at the recent history, the Florida Dept. of Environmental Protection noted in an inspection report from an inspection in February of 2021 that the facility had excessive effluent quality violations for total suspended solids, total nitrogen effluent violations, had failed to submit semi-annual groundwater monitoring reports for the last tow years, and had a buildup of solids in the holding pond. This inspection resulted in the issuance of a Consent Order to bring the facility back into compliance which was executed on 5/11/2021. This also resulted in a penalty being issued on 10/26/2021. This also resulted in the facility submitting preliminary plans for modifications to the facility to reach compliance with final permit limits and requesting the permit expiration date be extended to October 31, 2022 to allow time for permitting and construction to be completed before the new permit comes into effect.

Description of need:

As described in the compliance section above, the current ownership is currently in the process of permitting an improvement plan to bring the facility consistently into compliance with permit limits. These plans have not yet been made available for review, and experience with other acquisitions indicates that many owners never start projects when they are this close to selling a system or implement bare minimum improvements to satisfy the conditions of the order without bringing the facility into a condition that will meet limits or be maintainable moving forward. Much of aeration plant should likely be renovated or repaired to bring it into a maintainable condition. As a result, we believe it is appropriate to plan for a general renovation of the extended aeration facility, as well as budgeting some money for the renovation of the collection system and percolation ponds.

Proposed Improvements:

As described above, while the existing owners are potentially planning to implement improvements, it is unclear if these will come to fruition or bring the facility into a maintainable condition. As a result, we will plan on general renovations to the facility. This will include tank, piping, and aeration system repairs for the extended aeration plant, general repairs for the collection system and lift stations, and some funding for renovation of the percolation basins. Additionally, we will install remote monitoring at lift stations (5)and the treatment plant.

Tradewinds Utilities, Inc – Tradewinds WWTF (Sewer)		
No.	Description	Cost
1	Install Mission Remote Monitoring (Qty. 6)	\$60,000
2	Collection System Repairs	\$60,000



3	Lift Station Rehabilitation (Qty. 5)	\$100,000
4	Renovation of Extended Aeration Facility	\$300,000
5	Percolation Basin Renovation	\$50,000
Total		\$570,000

EXHIBIT I

THIS INSTRUMENT PREPARED BY:

Charles L. Cooper
Bryant Miller Olive P.A.
1545 Raymond Diehl Rd., Suite 300
Tallahassee, FL 32308

Property Appraiser's ID #: _____

Consideration: \$ _____

Doc Stamps: \$ _____

_____ [Space Above This Line For Recording Data] _____

WARRANTY DEED

This Warranty Deed is made this ____ day of _____, 202__, by C.F.A.T. H2O, INC., a Florida corporation ("Grantor") whose post office address is 12601 SE Sunset Harbor Rd., Weirsdale, FL 32195, to CSWR-FLORIDA UTILITY OPERATING COMPANY, LLC, a Florida limited liability company ("Grantee") whose post office address is 1650 Des Peres Road, Suite 303, St. Louis, MO 63131.

"Grantor" and "Grantee" are used for singular or plural, as context requires.

WITNESSETH, that Grantor, for the sum of \$10 and other good and valuable consideration, the receipt of which is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto Grantee the following described property:

See Exhibit "A" attached hereto and by reference made a part hereof.

This conveyance is subject to easements, restrictions, reservations, and limitations of record, if any, **and together with** all the easements, tenements, hereditaments and appurtenances thereto belonging or in anywise benefitting or appertaining, to have and to hold the same in fee simple forever.

And, Grantor hereby covenants with Grantee that Grantor is lawfully seized of said land in fee simple; that Grantor has good right and lawful authority to sell and convey said land; that Grantor hereby fully warrants the title to said land; and that Grantor will defend the same against the lawful claims of all persons whomever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 202_, and the following [insert any other exceptions].

[Signature page to follow]

In Witness Whereof, Grantor has signed and sealed these presents the day and year above written.

Signed, sealed and delivered as to Grantor
in the presence of:

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

By: _____

Print Name:

Print Name:

STATE OF _____

COUNTY OF _____

The foregoing instrument was sworn to (or affirmed) and subscribed before me by means of ☐ physical presence or ☐ online notarization, this ____ day of ____, 202_, by _____, as _____ of _____, on behalf of the company. He (____) is personally known to me or (____) produced _____ as identification.

Notary Public

My Commission Expires:

EXHIBIT "A"

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

EXHIBIT J



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Ryan E. Matthews
Interim Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
CFAT H2O, Inc.

RESPONSIBLE OFFICIAL:
Charles DeMenzes
PO Box 5220
Ocala, Florida 34478-5220
(352) 622-4949

PERMIT NUMBER: FLA010722
FILE NUMBER: FLA010722-007-DW3P
EFFECTIVE DATE: April 10, 2017
EXPIRATION DATE: April 9, 2022

FACILITY:

Landfair WWTF
Intersection Of Ne 28th Pl & Ne 23rd Ct
Ocala, FL 34470
Marion County
Latitude: 29°16' 4.99" N Longitude: 82°6' 16.48" 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. This permit is accompanied by an Administrative Order, pursuant to paragraphs 403.088(2)(e) and (f), Florida Statutes. Compliance with Administrative Order, AO-SS-16-019, is a specific requirement of 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 0.099 mgd annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant consisting of aeration, secondary clarification, chlorination, and aerobic digestion of biosolids.

REUSE OR DISPOSAL:

Land Application R-001: An existing 0.099 MGD annual average daily flow permitted capacity rapid infiltration basin system. R-001 is a reuse system which consists of a lined holding pond and two (2) rapid infiltration basins with a total wetted area of 2.3 acres located approximately at latitude 29°16' 5" N, longitude 82°6' 16" 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 17 of this permit.

PERMITTEE: CFAT H2O Inc
FACILITY: Landfair WWTF

PERMIT NUMBER: FLA010722
EXPIRATION DATE: April 9, 2022

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Reuse and Land Application Systems

1. **Interim:** During the period beginning on the effective date and lasting through October 26, 2020, 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 RIBs)	MGD	Max Max	0.099 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	See I.A.4
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	200 800 200	Annual Average Single Sample Monthly Geometric Mean	Monthly	Grab	EFA-1	See I.A.5
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.6
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	Annually	Grab	EFA-1	See I.A.7
Nitrogen, Total (Interim)	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.A.8
Phosphorus, Total (as P)	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.A.9

PERMITTEE: CFAT H2O Inc
FACILITY: Landfair WWTF

PERMIT NUMBER: FLA010722
EXPIRATION DATE: April 9, 2022

2. **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 RIBs)	MGD	Max Max	0.099 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	See I.A.4
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	#/100m L	Max Max Max	200 800 200	Annual Average Single Sample Monthly Geometric Mean	Monthly	Grab	EFA-1	See I.A.5
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.6
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	Annually	Grab	EFA-1	See I.A.7
Nitrogen, Total (Final)	mg/L	Max Max	3.0 Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.A.8
Phosphorus, Total (as P)	mg/L	Max Max	Report Report	Annual Average Monthly Average	Monthly	Grab	EFA-1	See I.A.9

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3. 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.
EFA-1	Chlorine contact chamber effluent.

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-600.200(25)]*
5. 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(5)(b)]*
6. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-610.510][62-600.440(5)(c) and (6)(b)]*
7. 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]*
8. Total Nitrogen sampling in accordance with Rule 62-601.300(6) and in conjunction with Marion County's Springs Protection Ordinance (09-17). Additional sampling may be required by Marion County Department of Health. *[62-601.300(6)]*
9. Monitoring for total nitrogen (TN) and total phosphorus (TP) are required, as allowed by Rule 62-600.650(3), FAC, to evaluate impacts of reclaimed water to ground and surface waters in an impaired water basin. *[62-600.650(3)]*

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B. Other Limitations and Monitoring and Reporting Requirements

- 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 facility)	MGD	Max Max Max	0.099 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

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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.
CAL-1	Calculated using FLW-1.
INF-1	Raw influent to aeration 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. [62-600.660(4)(a)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]
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 62-600, 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:
- 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;
 - 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
 - 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 samples which are required by this permit. [62-600.650(2)]
7. **Monitoring requirements under this permit are effective on June 1, 2017.** 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.

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REPORT Type on DMR	Monitoring Period	Submit by
Monthly	first day of month - last day of month	28 th 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 electronic DMR forms, the permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at <http://www.fldepportal.com/go/>. Reports shall be submitted 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. **The EzDMR system shall be used in accordance with Condition VI. 1. of this permit, unless alternative arrangements are approved by the Central District's Wastewater Permitting Section. Register for the new system by visiting the DEP Business Portal at <http://www.fldepportal.com/go/>. For more information, contact at EzDMRAdmin@dep.state.fl.us.**

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.

[62-620.610(18)][62-600.680(1)]

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:

Electronic submittal is preferred, by sending to DEP_CD@dep.state.fl.us.

Florida Department of Environmental Protection
Central District
3319 Maguire Blvd
Suite 232
Orlando, Florida 32803-3767

Phone Number - (407)897-4100

[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

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.

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			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 percent 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)]
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)]
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	Biosolids Treatment Facility or Treatment Facility
1. Date and time shipped	1. Date and time received
2. Amount of biosolids shipped	2. Amount of biosolids received
3. Degree of treatment (if applicable)	3. Name and ID number of source facility
4. Name and ID Number of treatment facility	4. Signature of hauler
5. Signature of responsible party at source facility	5. Signature of responsible party at treatment facility
6. Signature of hauler and name of hauling firm	

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)]

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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 IV 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] [62-610.510]
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
MWB-1	MEADOWLAND VILLAS/M-1	29°16' 12"	82°6' 9"	34	Floridan	Existing
MWC-2	MEADOWLAND VILLAS/M-2	29°16' 6"	82°6' 12"	53	Floridan	Existing
MWC-3	MEADOWLAND VILLAS/M-3	29°16' 7"	82°6' 12"	50	Floridan	Existing

MWC = Compliance; MWP = Piezometer

[62-520.600] [62-610.510]

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	Semi-Annually; twice per year
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Semi-Annually; twice per year
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Semi-Annually; twice per year
Chloride (as Cl)	250	mg/L	Grab	Semi-Annually; twice per year
Coliform, Fecal	4	#/100mL	Grab	Semi-Annually; twice per year
pH	6.5-8.5	s.u.	In Situ	Semi-Annually; twice per year
Turbidity	Report	NTU	Grab	Semi-Annually; twice per year

[62-520.600(11)(b)] [62-600.670] [62-600.650(3)] [62-520.310(5)]

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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)] [62-610.510(3)(b)]
12. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-600.670(3)]
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)] [62-600.670] [62-600.680(1)] [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 IV Rapid Infiltration Basins

1. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.518]
2. The maximum annual average loading rate to the two (2) rapid infiltration basins with a total wetted area of 2.3 acres. shall be limited to 1.6 inches per day (as applied to the entire bottom area). [62-610.523(3)]
3. The two (2) rapid infiltration basins with a total wetted area of 2.3 acres. normally shall be loaded for 7 days and shall be rested for 7 days. Infiltration ponds, basins, or trenches shall be allowed to dry during the resting portion of the cycle.[62-610.523(4)]
4. Rapid infiltration basins shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. Basin bottoms shall be maintained to be level. [62-610.523(6) and (7)]
5. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.514 and 62-610.414]
6. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches 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 one or more 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)]

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B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. The application to renew this permit shall include an updated capacity analysis report 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. In accordance with section 403.088(2)(e) and (f), Florida Statutes, a compliance schedule for this facility is contained in Administrative Order AO-SS-16-019 which is hereby incorporated by reference.
2. The following improvement actions shall be completed according to the following schedule:

Improvement Action	Completion Date
1. Register for and begin using the Departments EzDMR system, per condition I.B.7 of this permit	Within 6 months of effective date of permit

[62-620.320(6)]

3. 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

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- 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(5) 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°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. *[62-610.518(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)]*

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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)]*

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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)]*

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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, 62-600, 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.

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- 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.

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- 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



Wanda Parker-Garvin
Environmental Manager
Permitting and Waste Cleanup Program - Wastewater

PERMIT ISSUANCE DATE:
April 5, 2017

Attachment(s):
Discharge Monitoring Report
Monitor Well Completion Report

**STATEMENT OF BASIS
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLA010722-007

FACILITY NAME: Landfair WWTF

FACILITY LOCATION: Intersection of Ne 28th Pl & Ne 23rd Ct, Ocala, FL 34470
Marion County

NAME OF PERMITTEE: CFAT H2O Inc

PERMIT WRITER: Wilmott Brown

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FLA010722-007-DW3P
Application Submittal Date: October 20, 2016

b. Type of Facility

Domestic Wastewater Treatment Plant
Ownership Type: Private
SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	0.099 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	0.099 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 0.099 mgd annual average daily flow (AADF) permitted capacity extended aeration domestic wastewater treatment plant consisting of aeration, secondary clarification, chlorination, and aerobic digestion of biosolids.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

Land Application R-001: An existing 0.099 MGD annual average daily flow permitted capacity rapid infiltration basin system. R-001 is a reuse system which consists of a lined holding pond and two (2) rapid infiltration basins with a total wetted area of 2.3 acres. having a capacity of 0.099 MGD located approximately at latitude 29°16' 5" N, longitude 82°6' 16" 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 rapid infiltration basin system, based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow (To RIBs)	MGD	Max	0.099	Annual Average	62-600.700(2)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.700(2)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.510 & 62-600.420(3)(a)1. FAC
		Max	30.0	Monthly Average	62-610.510 & 62-600.420(3)(a)2. FAC
		Max	45.0	Weekly Average	62-610.510 & 62-600.420(3)(a)3. FAC
		Max	60.0	Single Sample	62-610.510 & 62-600.420(3)(a)4. FAC
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	62-610.510 & 62-600.420(3)(b)1. FAC
		Max	30.0	Monthly Average	62-610.510 & 62-600.420(3)(b)2. FAC
		Max	45.0	Weekly Average	62-610.510 & 62-600.420(3)(b)3. FAC
		Max	60.0	Single Sample	62-610.510 & 62-600.420(3)(b)4. FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	62-610.510 & 62-600.440(5)(a)1. FAC
		Max	800	Single Sample	62-610.510 & 62-600.440(5)(a)4. FAC
		Max	200	Monthly Geometric Mean	62-610.510 & 62-600.440(5)(a)2. 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	62-610.510 & 62-600.440(5)(c) FAC
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	62-610.510(1) FAC Annual frequency: 62-600.650(3) FAC
Nitrogen, Total (Interim)	mg/L	Max	Report	Annual Average	62-600.650(3) FAC
		Max	Report	Monthly Average	62-600.650(3) FAC
Nitrogen, Total (Final)	mg/L	Max	3.0	Annual Average	62-600.650(3) FAC
		Max	Report	Monthly Average	62-600.650(3) FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	62-600.650(3) FAC
		Max	Report	Monthly Average	62-600.650(3) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow (Total through facility)	MGD	Max	0.099	Annual Average	62-600.700(2)(b) FAC
		Max	Report	Monthly Average	62-600.700(2)(b) FAC
		Max	Report	Quarterly Average	62-600.700(2)(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	62-600.660(1) FAC Annual frequency: 62-600.650(3) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-600.660(1) FAC Annual frequency: 62-600.650(3) FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-600 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-600, 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 FLA010722-007-DW3P is effective on April 10, 2017, and expires on April 9, 2022.

Monitoring for total nitrogen (TN) and total phosphorus (TP) are required, as allowed by Rule 62-600.650(3), FAC, to evaluate impacts of reclaimed water to ground and surface waters in an impaired water basin. [62-600.650(3)]

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be transferred to the 412 BTF 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.

Parameters Arsenic, Cadmium, Chromium, Sulfate and Lead are currently not included in the Ground Water Monitoring Plan (GWMP) because they are not believed to be present in the effluent. However, if the Department has any reasons in the future to believe that these metals are present in the effluent, they will be added to the Ground Water Monitoring Plan sampling list.

7. PERMIT SCHEDULES

A schedule is included in the wastewater permit to enroll in the EzDMR system.

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 accompanied by AO-SS-16-019, effective 8/24/2016, which includes a schedule of compliance. The AO is hereby incorporated by reference. Reduce TN to 3.0 mg/L Annual Average.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. 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 13. Copies will be provided at a minimal charge per page.

12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Notice of Permit Issuance

April 4, 2017

13. 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
wilmott.brown@dep.state.fl.us

3319 Maguire Blvd
Suite 232
Orlando, FL 32803-3767

Telephone No.: (407) 897-4100



St. Johns River Water Management District

Kirby B. Green III, Executive Director • David W. Fisk, Assistant Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
On the Internet at www.sjrwmd.com.

May 12, 2004

CFAT H2O INC
PO Box 5220
Ocala, FL 34478

SUBJECT: Consumptive Use Permit Number 3077
Landfair

Dear Sir/Madam:

Enclosed is your permit and the forms necessary for submitting information to comply with conditions of the permit as authorized by the St. Johns River Water Management District on May 12, 2004.

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.

Permit issuance does not relieve you from the responsibility of obtaining permits from any federal, state and/or local agencies asserting concurrent jurisdiction over this work.

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. All information submitted as compliance with permit conditions must be submitted to the nearest District Service Center and should include the above referenced permit number.

Sincerely,



Gloria Lewis, Director
Permit Data Services Division

Enclosures: Permit, Conditions for Issuance, Compliance Forms, Map, Well Tags

cc: District Permit File

Agent: Miles Christian Anderson Consulting Engineers, Inc
2300 SE 17th St Suite 200
Ocala, FL 34471

GOVERNING BOARD

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BUNNELL

Susan N. Hughes
JACKSONVILLE

PERMIT NO. 3077
PROJECT NAME: Landfair

DATE ISSUED: May 12, 2004

A PERMIT AUTHORIZING:

The District authorizes, as limited by the attached permit conditions, the use of 21.9 million gallons per year of ground water from the Floridan aquifer for the household use of 1223 people, 1.7 million gallons per year of ground water from the Floridan aquifer to irrigate 2 acres of urban landscape, 0.6 million gallons per year of ground water from the Floridan aquifer for water utility and 0.4 million gallons per year of ground water from the Floridan aquifer for commercial/industrial type use.

LOCATION:

Site: Landfair
Marion County

Section(s): 16 Township(s): 14S Range(s): 22E

ISSUED TO:

CFAT H2O INC
PO Box 5220
Ocala, FL 34478

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 maps and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to permittee any property rights nor any rights of 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. All structures and works installed by permittee hereunder shall remain the property of the permittee.

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 May 12, 2004

AUTHORIZED BY: St. Johns River Water Management District
Department of Resource Management

By: _____



Dwight Jenkins
Division Director

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 3077
CFAT H2O INC
DATED MAY 12, 2004

1. District Authorized staff, upon proper identification, will have permission to enter, inspect and observe permitted and related facilities in order to determine compliance with the approved plans, specifications and conditions of this permit.
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 Section 373.175, Florida Statutes, or to formulate a plan for implementation during periods of water shortage, pursuant to Section 373.246, Florida Statutes. In the event a water shortage, is declared by the District Governing Board, the permittee must adhere to the water shortage restriction as specified by the District, even though the specified water shortage restrictions may be inconsistent with the terms and conditions of this permit.
3. Prior to the construction, modification, or abandonment of a well, the permittee must obtain a Water Well Construction Permit from the St. Johns River Water Management District, or the appropriate local government pursuant to Chapter 40C-3, Florida Administrative Code. 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. Legal uses of water existing at the time of the permit application may not be interfered with by the consumptive use. If unanticipated interference occurs, the District may revoke the permit in whole or in part to curtail or abate the interference unless the permittee mitigates for the interference. In those cases where other permit holders are identified by the District as also contributing to the interference, the permittee may choose to mitigate in a cooperative effort with these other permittees. The permittee must submit a mitigation plan to the District for approval prior to implementing such mitigation.
6. Off-site land uses existing at the time of permit application may not be significantly adversely impacted as a result of the consumptive use. If unanticipated 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 can be mitigated by the permittee.
7. The District must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a well or facility from which the permitted consumptive use is made or within 30 days of any transfer of ownership or control of the real property at which the permitted consumptive use is located. All transfers of ownership or transfers of permits are subject to the provisions of section 40C-1.612, Florida Administrative Code.
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 Section 40C-2.401, Florida Administrative Code. Permittee shall notify the District in the event that a replacement tag is needed.
9. Landscape irrigation is prohibited between the hours of 10:00 a.m. and 4:00 p.m., except as follows:
 - (a) Irrigation using a micro-irrigation system is allowed anytime.
 - (b) The use of reclaimed water for irrigation is allowed anytime, provided appropriate signs

are placed on the property to inform the general public and District enforcement personnel of such use. Such signs must be in accordance with local restrictions.

(c) Irrigation of, or in preparation for planting, new landscape is allowed any time of day for one 30 day period provided irrigation is limited to the amount necessary for plant establishment.

(d) Watering in of chemicals, including insecticides, pesticides, fertilizers, fungicides, and herbicides when required by law, the manufacturer, or best management practices is allowed anytime within 24 hours of application.

(e) Irrigation systems may be operated anytime for maintenance and repair purposes not to exceed ten minutes per hour per zone.

10. All submittals made to demonstrate compliance with this permit must include the CUP number 3077 plainly labeled thereon.

11. This permit will expire 20 years from the date of issuance.

12. Maximum annual withdrawals from the Floridan Aquifer for household type uses, must not exceed:

11.0 million gallons annual withdrawal for 2004

12.0 million gallons annual withdrawal from 2005 through year 2006

13.8 million gallons annual withdrawal from 2007 through year 2009

15.5 million gallons annual withdrawal from 2010 through year 2012

17.3 million gallons annual withdrawal from 2013 through year 2015

19.0 million gallons annual withdrawal from 2016 through year 2018

21.9 million gallons annual withdrawal from 2019 through the duration of the permit

13. Maximum annual withdrawals from the Floridan Aquifer for water utility uses, must not exceed:

0.33 million gallons annual withdrawal for 2004

0.36 million gallons annual withdrawal from 2005 through year 2006

0.41 million gallons annual withdrawal from 2007 through year 2009

0.46 million gallons annual withdrawal from 2010 through year 2012

0.52 million gallons annual withdrawal from 2013 through year 2015

0.57 million gallons annual withdrawal from 2016 through year 2018

0.60 million gallons annual withdrawal from 2019 through the duration of the permit

14. Maximum annual withdrawals from the Floridan Aquifer for commercial establishments, must not exceed 0.4 million gallons.

15. Maximum annual withdrawals from the Floridan aquifer for irrigation/chemigation of urban landscape, must not exceed 0.85 million gallons per acre and must not exceed a total of 1.7 million gallons.

16. Wells N (GRS ID 11113) and S (GRS ID 11114) (as listed on the application) are equipped with totalizing flow meters. These meters must maintain 95% accuracy, be verifiable and be installed according to the manufacturer's specifications.

17. Total withdrawals from wells N (GRS ID 11113) and S (GRS ID 11114) (as listed on the application) must be recorded continuously, totaled monthly, and reported to the District at least every six months from the initiation of the monitoring using Form No. EN-50. The

reporting dates each year will be as follows for the duration of the permit:

Reporting Period	Report Due Date
January - June	July 31
July - December	January 31

18. Permittee must have all flow meters checked for accuracy at least once every 3 years within 30 days of the anniversary date of permit issuance, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. District Form No. EN-51 must be submitted to the District within 10 days of the inspection/calibration.
19. The permittee must maintain all flow meters. 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.
20. The permittee must implement the Water Conservation Plan submitted to the District on October 16, 2003, and maintain these practices for the duration of the permit.
21. The lowest quality water source, such as reclaimed water and surface/storm water, must be used as irrigation water when deemed feasible pursuant to District rules and applicable state law.

EXHIBIT K



EMAIL TRANSMISSION COVER SHEET

DATE: 9-14-21

TO: Tradewinds Utilities / CFAT H2O Utilities

ATTENTION: Debbie Dillon / Reuben Law

EMAIL ADDRESS: Debbie@alternativephone.com
Randkenvironmental@outlook.com

FROM: AQUA PURE WATER & SEWAGE SERVICE, LLC

Lisa Saupp

by: 

SUBJECT: SAMPLE RESULTS &/or TRANSPORT SCHEDULE (PLEASE SEE ATTACHED pdf)

THE TOTAL NUMBER OF PAGES YOU CAN EXPECT IS 3, INCLUDING THIS COVER SHEET.

[♦] FOR YOUR RECORDS

[] PLEASE RESPOND

[♦] PER YOUR REQUEST

COMMENTS: Please forward this email to the appropriate person.

This message is intended for use only by the individual to whom it is addressed and may contain confidential and / or privileged information. If you are not the intended recipient, please take note that any dissemination, distribution or copying is not permitted. If you have received this communication in error please destroy the original and notify us by telephone immediately so that we might prevent any recurrence.

Thank you for your assistance.



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

Page 1 of 1

This Side To Be Completed By Client / Sample Collector

System Name: Land Fair Subdivision PWS ID: 3424690

System Phone: 352-622-4949 System Address: NE 78th St. + CR 200A

System County: Marion Client: CFAT

Collector: Reuben Law Collector Phone: 352-661-8952
352-208-4509

Type of Supply: (check only one) ☒ 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

☒ Clearance ☒ Boil Water Notice ☐ FDACS finished product (ice) ☐ Other: _____

Sample Collection Date(s): 9-12-21 PO Number: _____

Comments: _____

This Side For Laboratory Use Only

Received By: [Signature] ☐ Special ☐ TC ICE

☒ On Ice ☐ Not On Ice 12.7 °C

☐ Paid Check or Receipt Number and Initials: _____

Disinfectant Check: ☒ Not Detected _____ mg/L

Comments: _____

Analysis Method: SM9223B (Colilert)

Time(s) Analyzed: 8:55 Am

☒ 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 Type¹ Disinfectant Residual (mg/L)

	WW <u>WW H.B.</u>	<u>8:15pm</u>	<u>D</u>	<u>0.77</u>

Laboratory Sample Number Total Coliform E. coli DQ²

Report / Submission Number:			
<u>M218791</u>	<u>A</u>	<u>A</u>	

☒ Free chlorine ☐ Total chlorine

Disinfectant Residual Analysis Method:

☒ DPD Colorimetric

☐ Other: _____

Average of disinfectant residuals for routine and repeat samples³

0.77

Person performing disinfectant analysis is:

☒ A certified operator (# B13153)

☐ Supervised by a certified operator (# _____)

☐ Employed by a certified lab

☐ Employed by DEP or DOH

☐ Authorized representative of supplier of water

¹For Sample Types see Instructions item 1.16.

²DQ = Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)

³Complete 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 Morris
Technical Director

9-14-21
Date

DEP/DOH Use Only

☐ Satisfactory

☐ Repeat Samples Required

☐ Incomplete Collection Information

☐ Replacement Samples Required

Date Reviewed by DEP/DOH: _____

DEP/DOH Reviewing Official: _____

Report to: (Name and Mailing Address)

on file



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

Page 1 of 1

This Side To Be Completed By Client / Sample Collector

System Name: Land Fair Subdivision PWS ID: 3424690

System Phone: 352-622-4949 System Address: NE 78th St. + CR 200A

System County: Marion Client: CFAT

Collector: Reuben Law Collector Phone: 352-661-8952

Type of Supply: (check only one) ☒ 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

☒ Clearance ☒ Boil Water Notice ☐ FDACS finished product (ice) ☐ Other: _____

Sample Collection Date(s): 9-13-21 PO Number: _____

Comments: _____

Date Received and Analyzed / Time Received

SEP 13 '21 AM 8:44

This Side For Laboratory Use Only

Received By: JS ☐ Special ☐ TC ICE

☒ On Ice ☐ Not On Ice 12.7 °C

☐ Paid Check or Receipt Number and Initials: _____

Disinfectant Check: ☒ Not Detected _____ mg/L

Comments: _____

Analysis Method: SM9223B (Colilert)

Time(s) Analyzed: 8:55 Am

☒ 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 Type¹ Disinfectant Residual (mg/L)

1	<u>WW H.B.</u>	<u>6¹⁵ Am</u>	<u>D</u>	<u>0.56</u>

☒ Free chlorine ☐ Total chlorine

Average of disinfectant residuals for routine and repeat samples³

0.56

Disinfectant Residual Analysis Method: ☒ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is:

☒ A certified operator (# B13153) ☐ Supervised by a certified operator (# _____)

☐ Employed by a certified lab ☐ Employed by DEP or DOH ☐ Authorized representative of supplier of water

For Sample Types see Instructions item 1.6.

DQ = Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)

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.

Report to: (Name and Mailing Address)

on file

Report / Submission Number:

<u>M218792</u>	<u>A</u>	<u>A</u>	

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

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 D. Moore

Technical Director

9-14-21

Date

DEP/DOH Use Only

- ☐ Satisfactory ☐ Repeat Samples Required
☐ Incomplete Collection Information ☐ Replacement Samples Required

Date Reviewed by DEP/DOH: _____

DEP/DOH Reviewing Official: _____

Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format

PUBLIC WATER SYSTEM INFORMATION (to be completed by sampler - please type or print legibly)

System Name: Landfair PWS I.D. #: 3424690
System Type (check one): ☒ Community ☐ Nontransient Noncommunity ☐ Transient Noncommunity
Address: 7025 NE Jacksonville Rd
City: _____ ZIP Code: _____
Phone #: _____ Fax #: _____ E-Mail Address: _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Number: BF Station (sink) Sample Date: 8-3-21 Sample Time: 1315 AM PM (circle one)
Sample Location (be specific): Marathon Station (utility sink) Location Code: _____
Disinfectant Residual (required when reporting results for trihalomethanes and haloacetic acids): 1.62 mg/L Field pH: _____ S.U.

Sample Type (check one only)

- ☐ Distribution
☐ Entry Point (to distribution)
☐ Plant Tap (not for compliance with 62-550)
☐ Raw (at well or intake)
☒ Max Residence Time
☐ Ave Residence Time
☐ Near First Customer

Reason(s) for Sample (check all that apply)

- ☐ Routine Compliance with 62-550
☐ Confirmation of MCL Exceedance*
☐ Composite of Multiple Sites**
☐ Other: _____
☐ Replacement (of invalidated sample)
☐ Special (not for compliance with 62-550)
☐ Clearance (permitting)

Sampling Procedure Used or Other Comments:

*See 62-550.500(6) for requirements and restrictions.
See 62-550.512(3) for nitrate or nitrite exceedances.

**See 62-550.550(4) for requirements and attach result pages for each site.

SAMPLER CERTIFICATION

I, Reuben Law, _____, do HEREBY CERTIFY
(Print Name) (Print Title)

that the above public water system and sample collection information is complete and correct.

Signature: [Signature] Date: 8-3-21

Certified Operator #: 613153 Phone #: 352-661-8912 Sampler's Fax #: N/A

Sampler's E-mail: randk.environmental@outlook.com

REVIEWED

By Miranda Rothenberger at 10:47 am, Sep 28, 2021



Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Report**

Page 2 of 4; Chain of Custody serves as Page 4 of this report

LABORATORY CERTIFICATION INFORMATION

Laboratory Name: Aqua Pure Water & Sewage Service, LLC Florida DOH Certification #: E83265 Certification Expiration Date: 6/30/2022
Address: 3855 E. Silver Springs Blvd., Unit 107 Ocala, FL 34470 Phone #: (352) 355-2383

ANALYSIS INFORMATION

PWS ID: **3424690** System Name: **Landfair** Sample Number: Not Provided
Sample Location: 7025 NE Jacksonville Road (Marathon Station) Utility Sink
Laboratory Assigned Submission Number: 213292 Date Sample(s) Received: 8/3/21

Group(s) Analyzed & Results attached for compliance with Chapter 62-550, F.A.C.:
Disinfection Byproducts, Trihalomethanes
Disinfection Byproducts, Haloacetic Acids

Subcontracted Laboratory DOH Certification Number(s): E84589 AEL

Analyte Sheet(s) Attached

CERTIFICATION

I, Lisa K. Saupp, Charles B. Saupp, or Michael Morse, Technical Director, do HEREBY CERTIFY that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).
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.

Signature: Michael Morse

Date: August 23, 2021

COMPLIANCE DETERMINATION (to be completed by DEP or DOH -- attach notes as necessary)

Sample Collection & Analysis Satisfactory: ☐ Yes ☐ No

_____ Replacement Sample or Report Requested (circle or highlight group(s) above)

Person Notified: _____ Date Notified: _____

DEP / DOH Reviewing Official: _____



Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Report**

System Name: Landfair
PWS ID: 3424690
Submission Number: 213292

Disinfectant Residual (mg/L): 1.62

DISINFECTION BYPRODUCTS
62-550.310(3)

Prep Date: 8/13/21

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier ¹	Analytical Method	Lab MDL	Regulatory MRL	Analysis Date	Analysis Time	DOH Lab Cert #
2450	Monochloroacetic Acid	N/A	µg/L	2.32		EPA552.2	0.98	2.0	8/15/21		E84589
2451	Dichloroacetic Acid	N/A	µg/L	11.23		EPA552.2	0.42	1.0	8/15/21		E84589
2452	Trichloroacetic Acid	N/A	µg/L	7.30		EPA552.2	0.94	1.0	8/15/21		E84589
2453	Monobromoacetic Acid	N/A	µg/L	0.60	I	EPA552.2	0.41	1.0	8/15/21		E84589
2454	Dibromoacetic Acid	N/A	µg/L	1.52		EPA552.2	0.74	1.0	8/15/21		E84589
2456	Total Haloacetic Acids (HAA5)	60	µg/L	22.96		EPA552.2	0.98	---	8/15/21		E84589

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier ¹	Analytical Method	Lab MDL	Regulatory MRL	Analysis Date	Analysis Time	DOH Lab Cert #
2941	Chloroform	N/A	µg/L	25.01		EPA524.2	0.32	1.0	8/12/21		E84589
2942	Bromoform	N/A	µg/L	3.26		EPA524.2	0.45	1.0	8/12/21		E84589
2943	Bromodichloromethane	N/A	µg/L	14.31		EPA524.2	0.42	1.0	8/12/21		E84589
2944	Dibromochloromethane	N/A	µg/L	6.51		EPA524.2	0.37	1.0	8/12/21		E84589
2950	Total Trihalomethanes (TTHM)	80	µg/L	49.09		EPA524.2	0.45	---	8/12/21		E84589

¹Defined in Florida Administrative Code Rule 62-160, Table 1

I - The reported value is ≥ laboratory method detection limit but < laboratory practical quantitation limit.



AQUA PURE WATER & SEWAGE SERVICE, LLC

3855 E. Silver Springs Blvd., Unit 107
Ocala, Florida 34470
(352) 355-2383

DRINKING WATER CHAIN OF CUSTODY

Collect in August 2021

Date Received / Time Received

Aug 8 '21 PM 1:35

Client: **CFAT H2O Utilities**

Submission Number: 213292

Report to: (Name and Mailing Address)

☒ On file

Reuben Law

Parameter(s) Requested

Sample Number

Inorganic Contaminants

☐ NO₃ ☐ NO₂ ☐ F

☐ CN

☐ All Metals ☐ Sb ☐ As ☐ Ba ☐ Be ☐ Cd ☐ Cr

☐ Pb ☐ Hg ☐ Ni ☐ Se ☐ Na ☐ Ti

☐ Asbestos

Secondary Contaminants

☐ Cl ☐ SO₄ ☐ TDS ☐ F ☐ Color

☐ Odor

☐ Foaming Agents

☐ All Metals ☐ Al ☐ Cu ☐ Fe ☐ Mn ☐ Ag ☐ Zn

Disinfection Byproducts

☒ Total THM (All 4) ☐ THM Partial:

☒ HAA (All 5) ☐ HAA Partial:

☐ Other:

Radionuclides

☐ Gross Alpha ☐ Ra²²⁶ ☐ Ra²²⁸ ☐ U

☐ Other:

Volatile Organic Contaminants

☐ All 21

☐ Partial:

Synthetic Organic Contaminants

☐ All Except Dioxin

☐ Partial:

Miscellaneous

☐ Turbidity ☐ Alkalinity ☐ Conductivity

☐ Total Sulfide

☐ Dissolved Metals (Field Filtered)

☐ o-PO₄ (Field filtered)

☐ Dissolved Oxygen

☐ Other:

☐ Other:

☐ Other:

☐ Other:

☐ Other:

Copy to: **DEP Central**

PO Number: _____

Contact Name: **Reuben Law**

Contact Phone: **352-843-1040**

System Name: **Landfair**

System ID Number: **3424690**

Sample Location: **7025 NE Jacksonville Road (BP Station) Utility Sink**

Sampler Name: **Reuben Law**

Date Sample Collected: **8-3-21**

Time Sample Collected: **1:15**

Field Test Results (if applicable) Cl₂ Residual: **1.62**

Temp: _____ pH: _____ DO: _____

Other: _____

Sample Custody

Relinquished Signature: [Signature]

Date: **8-3-21** Time: **1:34** Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Laboratory Use Only

Received By: [Signature] ☐ Special

Sample Temp. at Time of Receipt: **24.8** °C ☒ On Ice ☐ Not on Ice

Check or Receipt Number and Initials: _____

Comments: _____

Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format

PUBLIC WATER SYSTEM INFORMATION (to be completed by sampler - please type or print legibly)

System Name: Landfair PWS I.D. #: 3424690
System Type (check one): ☒ Community ☐ Nontransient Noncommunity ☐ Transient Noncommunity
Address: _____
City: _____ ZIP Code: _____
Phone #: _____ Fax #: _____ E-Mail Address: _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Number: _____ Sample Date: 8-3-21 Sample Time: 1300 AM PM (circle one)
Sample Location (be specific): Hilltop Apt. Rental Office Sink Location Code: _____
Disinfectant Residual (required when reporting results for trihalomethanes and haloacetic acids): 0.98 mg/L Field pH: _____ S.U.

Sample Type (check one only)

- ☐ Distribution
☐ Entry Point (to distribution)
☐ Plant Tap (not for compliance with 62-550)
☐ Raw (at well or intake)
☒ Max Residence Time
☐ Ave Residence Time
☐ Near First Customer

Reason(s) for Sample (check all that apply)

- ☐ Routine Compliance with 62-550
☐ Confirmation of MCL Exceedance*
☐ Composite of Multiple Sites**
☐ Other: _____
☐ Replacement (of invalidated sample)
☐ Special (not for compliance with 62-550)
☐ Clearance (permitting)

Sampling Procedure Used or Other Comments: _____

*See 62-550.500(6) for requirements and restrictions.
See 62-550.512(3) for nitrate or nitrite exceedances.

**See 62-550.550(4) for requirements and attach result pages for each site.

SAMPLER CERTIFICATION

I, Renter Law, Operator, do HEREBY CERTIFY
(Print Name) (Print Title)

that the above public water system and sample collection information is complete and correct.

Signature: [Signature] Date: 8-3-21
Certified Operator #: B13153 Phone #: 352-661-4952 Sampler's Fax #: N/A
Sampler's E-mail: randkenn@earthlink.net



Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Report

Page 2 of 4; Chain of Custody serves as Page 4 of this report

LABORATORY CERTIFICATION INFORMATION

Laboratory Name: Aqua Pure Water & Sewage Service, LLC Florida DOH Certification #: E83265 Certification Expiration Date: 6/30/2022
Address: 3855 E. Silver Springs Blvd., Unit 107 Ocala, FL 34470 Phone #: (352) 355-2383

ANALYSIS INFORMATION

PWS ID: **3424690** System Name: **Landfair** Sample Number: Not Provided
Sample Location: Hilltop Apt Rental Office (Kitchen Sink)
Laboratory Assigned Submission Number: 213293 Date Sample(s) Received: 8/3/21

Group(s) Analyzed & Results attached for compliance with Chapter 62-550, F.A.C.:

Disinfection Byproducts, Trihalomethanes

Disinfection Byproducts, Haloacetic Acids

Subcontracted Laboratory DOH Certification Number(s): E84589 AEL

Analyte Sheet(s) Attached

CERTIFICATION

I, Lisa K. Saupp, Charles B. Saupp, or Michael Morse, Technical Director, do HEREBY CERTIFY that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).

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.

Signature: _____

Michael Morse

Date: August 23, 2021

COMPLIANCE DETERMINATION (to be completed by DEP or DOH -- attach notes as necessary)

Sample Collection & Analysis Satisfactory: ☐ Yes ☐ No

_____ Replacement Sample or Report Requested (circle or highlight group(s) above)

Person Notified: _____ Date Notified: _____

DEP / DOH Reviewing Official: _____



Aqua Pure Water & Sewage Service, LLC

3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Report

System Name: Landfair

PWS ID: 3424690

Submission Number: 213293

Disinfectant Residual (mg/L): 0.98

DISINFECTION BYPRODUCTS 62-550.310(3)

Prep Date: 8/13/21

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier ¹	Analytical Method	Lab MDL	Regulatory MRL	Analysis Date	Analysis Time	DOH Lab Cert #
2450	Monochloroacetic Acid	N/A	µg/L	2.08		EPA552.2	0.98	2.0	8/15/21		E84589
2451	Dichloroacetic Acid	N/A	µg/L	10.77		EPA552.2	0.42	1.0	8/15/21		E84589
2452	Trichloroacetic Acid	N/A	µg/L	7.31		EPA552.2	0.94	1.0	8/15/21		E84589
2453	Monobromoacetic Acid	N/A	µg/L	1.17		EPA552.2	0.41	1.0	8/15/21		E84589
2454	Dibromoacetic Acid	N/A	µg/L	1.50		EPA552.2	0.74	1.0	8/15/21		E84589
2456	Total Haloacetic Acids (HAA5)	60	µg/L	22.83		EPA552.2	0.98	---	8/15/21		E84589

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier ¹	Analytical Method	Lab MDL	Regulatory MRL	Analysis Date	Analysis Time	DOH Lab Cert #
2941	Chloroform	N/A	µg/L	20.75		EPA524.2	0.32	1.0	8/12/21		E84589
2942	Bromoform	N/A	µg/L	3.21		EPA524.2	0.45	1.0	8/12/21		E84589
2943	Bromodichloromethane	N/A	µg/L	12.95		EPA524.2	0.42	1.0	8/12/21		E84589
2944	Dibromochloromethane	N/A	µg/L	5.87		EPA524.2	0.37	1.0	8/12/21		E84589
2950	Total Trihalomethanes (TTHM)	80	µg/L	42.78		EPA524.2	0.45	---	8/12/21		E84589

Defined in Florida Administrative Code Rule 62-160, Table 1

**AQUA PURE WATER & SEWAGE SERVICE, LLC**

3855 E. Silver Springs Blvd., Unit 107

Ocala, Florida 34470

(352) 355-2383

DRINKING WATER CHAIN OF CUSTODY**Collect in August 2021**

Date Received / Time Received

AUG 3 '21 PM 1:36

Client: **CFAT H2O Utilities**

Report to: (Name and Mailing Address)

☒ On fileReuben LawCopy to: **DEP Central**

PO Number: _____

Contact Name: **Reuben Law**Contact Phone: **352-843-1040**System Name: **Landfair**System ID Number: **3424690**Sample Location: **Hilltop Apt Rental Office (Kitchen Sink)**Sampler Name: Reuben LawDate Sample Collected: 8-3-21Time Sample Collected: 1300Field Test Results (if applicable) Cl₂ Residual: 0.98

Temp: _____ pH: _____ DO: _____

Other: _____

Sample CustodyRelinquished Signature: [Signature]Date: 8-3-21 Time: 1:34 Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Relinquished Signature: _____

Date: _____ Time: _____ Condition: _____

Laboratory Use OnlyReceived By: [Signature] ☐ SpecialSample Temp. at Time of Receipt: 20.9 °C ☒ On Ice ☐ Not on Ice☐ Paid Check or Receipt Number and Initials: _____

Comments: _____

Submission Number: 213293**Parameter(s) Requested****Sample Number****Inorganic Contaminants**☐ NO₃ ☐ NO₂ ☐ F☐ CN☐ All Metals ☐ Sb ☐ As ☐ Ba ☐ Be ☐ Cd ☐ Cr☐ Pb ☐ Hg ☐ Ni ☐ Se ☐ Na ☐ Tl☐ Asbestos**Secondary Contaminants**☐ Cl ☐ SO₄ ☐ TDS ☐ F ☐ Color☐ Odor☐ Foaming Agents☐ All Metals ☐ Al ☐ Cu ☐ Fe ☐ Mn ☐ Ag ☐ Zn**Disinfection Byproducts**☒ Total THM (All 4) ☐ THM Partial:☒ HAA (All 5) ☐ HAA Partial:☐ Other:**Radionuclides**☐ Gross Alpha ☐ Ra²²⁶ ☐ Ra²²⁸ ☐ U☐ Other:**Volatile Organic Contaminants**☐ All 21☐ Partial:**Synthetic Organic Contaminants**☐ All Except Dioxin☐ Partial:**Miscellaneous**☐ Turbidity ☐ Alkalinity ☐ Conductivity☐ Total Sulfide☐ Dissolved Metals (Field Filtered)☐ o-PO₄ (Field filtered)☐ Dissolved Oxygen☐ Other:☐ Other:☐ Other:☐ Other:☐ Other:



Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

Certification of Lead and Copper Tap Sample Collection Methods

Complete this form and send packet to your governing DEP agency or ACPHU

Submission Number: 214524

Water System Name: Landfair

Contact Person: Reuben Law

System Type (Circle One): CWS or NTNCWS

Telephone Number: 352-661-8952

PWS Identification Number: 3424690

Mailing Address: NE 78th St + CR 200A
Ocala, FL 34478

Population Served: 580±

I certify that:

Each first draw tap sample for lead and copper is one liter in volume and has stood motionless in the plumbing system of each sampling site for at least six hours.

Each first draw sample collected from a single family residence has been collected from the cold water kitchen tap or bathroom sink tap of routine drinking water source.

Each first draw sample collected from a non-residential building has been collected at an interior tap from which water is typically drawn for consumption.

Each first draw sample collected during an annual or triennial monitoring period has been collected in the months of June, July, August, or September.

Each resident who volunteered to collect tap water samples from his or her home has been properly instructed in the proper method for collecting lead and copper samples.

I do not challenge the accuracy of those sampling results. Enclosed is a copy of the material distributed to residents explaining the proper collection methods, and a list of residents who performed sampling.

Signature of Authorized PWS Representative: [Signature]

Name (Please Print): Reuben A. Law

Title: Operator

Date: 10/30/21



Aqua Pure Water & Sewage Service, LLC
3855 E. Silver Springs Blvd., Unit 107 Ocala, Florida 34470
(352) 355-2383

**PUBLIC DRINKING WATER SYSTEM
LABORATORY ANALYSIS REPORT FOR
LEAD AND COPPER TAP SAMPLES**

Certified Laboratory Name: Aqua Pure Water & Sewage Service, LLC

DOH Certification Number: E83265

Laboratory Contact: Lisa K. Saupp, Laboratory Director

Phone Number: (352) 355-2383

Subcontractor's Name: Advanced Environmental Laboratories, Inc.

DOH Certification Number: E82574 E84589 E82001 E82535

Phone Number: (352) 377-2349

The attached sampling analytical results were submitted by the following public water system. Unless otherwise noted below each sample container contained one liter of solution (± 100 mL). All samples were, to the best of our knowledge, taken properly by the following system and analyzed in accordance with the requirements listed on page 26560 of the June 7, 1991 Federal Register. Tap sampling dates were reported for each sample received.

Submission Number: **214524**

Public Water System Name: **Landfair**

Public Water System I.D. Number: **3424690**

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.

I, Lisa K. Saupp, Charles B. Saupp, or Michael Morse, Technical Director, do HEREBY CERTIFY that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).

DQ = Data Qualifier

Signature

Date: October 27, 2021

COMPLIANCE INFORMATION (to be completed by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested For: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP / DOH Reviewing Official: _____



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(352) 355-2383

**PUBLIC DRINKING WATER SYSTEM
LABORATORY ANALYSIS REPORT FOR
LEAD AND COPPER TAP SAMPLES**

Public Water System Name: **Landfair**

Public Water System I.D. Number: **3424690**

Submission Number: 214524

Parameter ID: **Lead (1030)**

Detection Limit: 0.0005 mg/L

Analytical Method: EPA200.8

Analysis Date(s): 10/20/21 10/21/21

Rank (Lowest to Highest)	Laboratory Sample ID	Result (mg/L)	DQ	Tier #	Tap Sample Location	Type of Tap Sampled	Date Sampled
1	214531	0.00065	I	NP	7334 NE Jacksonville Rd #170A	Kitchen	09/21/21
2	214525	0.00070	I	NP	7334 NE Jacksonville Rd #160A	Kitchen	09/17/21
3	214529	0.00071	I	NP	7334 NE Jacksonville Rd #260A	Kitchen	09/20/21
4	214533	0.00072	I	NP	7334 NE Jacksonville Rd #240A	Kitchen	09/22/21
5	214530	0.00078	I	NP	7334 NE Jacksonville Rd #100A	Kitchen	09/20/21
6	214532	0.00091	I	NP	7767 NE 20th Ct	Kitchen	09/17/21
7	214524	0.0010	I	NP	7808 NE 21st Ave	Bath	09/16/21
8	214526	0.0011	I	NP	7334 NE Jacksonville Rd HT Laundry 2	Bath	09/17/21
9	214527	0.0012	I	NP	7334 NE Jacksonville Rd HT Laundry 1	Bath	09/17/21
10	214528	0.0015	I	NP	7334 NE Jacksonville Rd #190A	Bath	09/17/21

90th Percentile for Lead (mg/L) = **0.0012**

I - The reported value is \geq laboratory method detection limit but $<$ laboratory practical quantitation limit.

NP - Not Provided



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(352) 355-2383

**PUBLIC DRINKING WATER SYSTEM
LABORATORY ANALYSIS REPORT FOR
LEAD AND COPPER TAP SAMPLES**

Public Water System Name: **Landfair**

Public Water System I.D. Number: **3424690**

Submission Number: 214524

Parameter ID: **Copper (1022)**

Detection Limit: 0.0010 mg/L

Analytical Method: EPA200.8

Analysis Date(s): 10/20/21 10/21/21

Rank (Lowest to Highest)	Laboratory Sample ID	Result (mg/L)	DQ	Tier #	Tap Sample Location	Type of Tap Sampled	Date Sampled
1	214524	0.022		NP	7808 NE 21st Ave	Bath	09/16/21
2	214529	0.022		NP	7334 NE Jacksonville Rd #260A	Kitchen	09/20/21
3	214525	0.023		NP	7334 NE Jacksonville Rd #160A	Kitchen	09/17/21
4	214531	0.023		NP	7334 NE Jacksonville Rd #170A	Kitchen	09/21/21
5	214533	0.023		NP	7334 NE Jacksonville Rd #240A	Kitchen	09/22/21
6	214528	0.024		NP	7334 NE Jacksonville Rd #190A	Bath	09/17/21
7	214532	0.025		NP	7767 NE 20th Ct	Kitchen	09/17/21
8	214530	0.030		NP	7334 NE Jacksonville Rd #100A	Kitchen	09/20/21
9	214527	0.032		NP	7334 NE Jacksonville Rd HT Laundry 1	Bath	09/17/21
10	214526	0.036		NP	7334 NE Jacksonville Rd HT Laundry 2	Bath	09/17/21

90th Percentile for Copper (mg/L) = **0.032**

NP - Not Provided



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

To Be Completed By Laboratory

Date Received / Time Received

SEP 30 '21 4:50:05

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water System

Client: CFAT H2O Utilities Plan ID #: _____ Tier #: _____ Bottle #: 1
Report to: (Name and Mailing Address) ☒ On File System Name: Landfair
System ID #: 3424620 System Type: ☒ Community ☐ Non-Transient Non-Community
Sample Location: _____
Contact Name: Reuben Law Contact Phone: 352-843-1040

Instructions for Sample Collector / Homeowner or Site Contact

If you have any questions please call: Reuben Law Phone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

Please Note the Following Important Information:

- 1.) Prior arrangements will be made with you to coordinate delivery or pickup of your sample once you have it collected.
- 2.) MINIMUM of 6 hours with no water usage from the tap to be sampled is required. Please be sure you have met this condition before you fill the bottle. Do not use a tap that is attached to a water softener or point of use filter, if possible.
- 3.) Cold Water Kitchen or Bathroom faucet MUST be used for this sample, DO NOT remove the aerator. Place opened bottle below faucet BEFORE turning on water. Gently open cold water tap and fill bottle completely (to within 1/2 inch of top, without overflowing).
- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By Sampler

Address: 7808 NE 21st Ave.

Water Last Used: Date 3 mo and Time 9 AM a.m. or p.m. (circle one)

Sample Collected: Date 9/16/21 and Time 11:20 a.m. or p.m. (circle one)

Sample Tap Location: KITCHEN / BATH (circle one) Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Carolyn Williams Signature: Carolyn Williams

To Be Completed By Laboratory

Received By: MJM Sample #: 214524 Sample Volume <900 mLs: ☐ Yes ☒ No

Submission Summary (if applicable)

Submission Number: 214524 Sample Number: 214524 to 214533 Total Number of Samples: 10

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____ ☐ Special ☐ Paid Check / Receipt # / Initials: _____

**AQUA PURE WATER & SEWAGE SERVICE, LLC**

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Ocala, Florida 34470

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To Be Completed By Laboratory

Date Received / Time Received

SEP 80 '21 04:08

LEAD and COPPER Sample Form & Certification of Training for Sample Collection**PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.****To Be Completed By Public Water System**Client: CFAT H2O Utilities

Plan ID #: _____

Tier #: _____

Bottle #: 2

Report to: (Name and Mailing Address) _____

☒ On FileSystem Name: LandfairSystem ID #: 3424610System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben LawContact Phone: 352-843-1040**Instructions for Sample Collector / Homeowner or Site Contact**If you have any questions please call: Reuben LawPhone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

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- 3.) Cold Water Kitchen or Bathroom faucet MUST be used for this sample, DO NOT remove the aerator. Place opened bottle below faucet BEFORE turning on water. Gently open cold water tap and fill bottle completely (to within 1/2 inch of top, without overflowing).
- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By SamplerAddress: 7334 NE Jacksonville Rd #160AWater Last Used: Date 9-16-21 and Time 9:00 a.m. or (p.m.) (circle one)Sample Collected: Date 9-17-21 and Time 6:34 (a.m.) or p.m. (circle one)Sample Tap Location: (KITCHEN) / BATH (circle one)

Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Yolanda HernandezSignature: Yolanda Hernandez**To Be Completed By Laboratory**Received By: [Signature]Sample #: 214525

Sample Volume <900 mLs:

☐ Yes ☒ No**Submission Summary (if applicable)**

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____

☐ Special☐ Paid

Check / Receipt # / Initials: _____

**AQUA PURE WATER & SEWAGE SERVICE, LLC**

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Ocala, Florida 34470

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To Be Completed By Laboratory

Date Received / Time Received

SEP 30 '21 4:09:09

622-4949
when

Items are ready for pickup - Thanks

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water SystemClient: CFAT H2O Utilities

Plan ID #: _____

Tier #: _____

Bottle #: 3

Report to: (Name and Mailing Address) _____

☒ On FileSystem Name: LandfairSystem ID #: 3424620System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben LawContact Phone: 352-843-1040**Instructions for Sample Collector / Homeowner or Site Contact**If you have any questions please call: Reuben LawPhone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

Please Note the Following Important Information:

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- 2.) MINIMUM of 6 hours with no water usage from the tap to be sampled is required. Please be sure you have met this condition before you fill the bottle. Do not use a tap that is attached to a water softener or point of use filter, if possible.
- 3.) Cold Water Kitchen or Bathroom faucet MUST be used for this sample, DO NOT remove the aerator. Place opened bottle below faucet BEFORE turning on water. Gently open cold water tap and fill bottle completely (to within 1/2 inch of top, without overflowing).
- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By SamplerAddress: 7334 NE Jacksonville Rd - HT Laundry 2Water Last Used: Date 9/16/21 and Time 4:00 a.m. or p.m. (circle one)Sample Collected: Date 9/17/21 and Time 7:20 a.m. or p.m. (circle one)Sample Tap Location: KITCHEN / BATH (circle one)

Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Steve MabeySignature: [Signature]**To Be Completed By Laboratory**Received By: [Signature]Sample #: 214526

Sample Volume <900 mLs:

☐ Yes ☒ No**Submission Summary (if applicable)**

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____

☐ Special☐ Paid

Check / Receipt # / Initials: _____



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Ocala, Florida 34470

(352) 355-2383

PLEASE call
622-4949
when

To Be Completed By Laboratory

Date Received / Time Received

SEP 30 21 43:05

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water System

Client: CFAT H2O Utilities

Plan ID #: _____

Tier #: _____

Bottle #: 4

Report to: (Name and Mailing Address)

☒ On File

System Name: Landfair

System ID #: 3424680

System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben Law

Contact Phone: 352-843-1040

Instructions for Sample Collector / Homeowner or Site Contact

If you have any questions please call: Reuben Law

Phone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

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- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By Sampler

Address: 7334 NE Jacksonville Rd - HT Laundry 1

Water Last Used: Date 9/16/21 and Time 4:00 a.m. or p.m. (circle one)

Sample Collected: Date 9/17/21 and Time 7:10 a.m. or p.m. (circle one)

Sample Tap Location: KITCHEN ☒ BATH (circle one)

Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Steve Mabee

Signature: [Signature]

To Be Completed By Laboratory

Received By: JMM Sample #: 214527

Sample Volume <900 mLs: ☐ Yes ☒ No

Submission Summary (if applicable)

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____ ☐ Special ☐ Paid Check / Receipt # / Initials: _____



AQUA PURE WATER & SEWAGE SERVICE, LLC

3855 E. Silver Springs Blvd., Unit 107
Ocala, Florida 34470
(352) 355-2383

622-4949
when

To Be Completed By Laboratory

Date Received / Time Received

SEP 30 12:45:09

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water System

Client: CFAT H2O Utilities Plan ID #: _____ Tier #: _____ Bottle #: 5

Report to: (Name and Mailing Address) ☒ On File System Name: Landfair

System ID #: 342460 System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben Law Contact Phone: 352-843-1040

Instructions for Sample Collector / Homeowner or Site Contact

If you have any questions please call: Reuben Law Phone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

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- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By Sampler

Address: 7334 NE Jacksonville Rd #190A

Water Last Used: Date 9/16/21 and Time 4:00 a.m. or ☒ p.m. (circle one)

Sample Collected: Date 9/17/21 and Time 7:00 ☒ a.m. or p.m. (circle one)

Sample Tap Location: KITCHEN / ☒ BATH (circle one) Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: STEVE MAREE Signature: [Signature]

To Be Completed By Laboratory

Received By: [Signature] Sample #: 214528 Sample Volume <900 mLs: ☐ Yes ☒ No

Submission Summary (if applicable)

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____ ☐ Special ☐ Paid Check / Receipt # / Initials: _____



AQUA PURE WATER & SEWAGE SERVICE, LLC

3855 E. Silver Springs Blvd., Unit 107

Ocala, Florida 34470

(352) 355-2383

To Be Completed By Laboratory

Date Received / Time Received

SEP 20 '21 9:05:09

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water System

Client: CFAT H2O Utilities

Plan ID #: _____

Tier #: _____

Bottle #: 6

Report to: (Name and Mailing Address)

☒ On File

System Name: Landfair

System ID #: 3424620

System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben Law

Contact Phone: 352-843-1040

Instructions for Sample Collector / Homeowner or Site Contact

If you have any questions please call: Reuben Law

Phone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

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- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By Sampler

Address: 7334 NE Jacksonville Rd # 260-A

Water Last Used: Date Sep-19-2021 and Time 11:00 a.m. or (p.m.) (circle one)

Sample Collected: Date Sep-20-2021 and Time 9:00 a.m. or p.m. (circle one)

Sample Tap Location: (KITCHEN) / BATH (circle one)

Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Abigail Guadalupe

Signature: Abigail Guadalupe

To Be Completed By Laboratory

Received By: MM Sample #: 214529

Sample Volume <900 mLs: ☐ Yes ☒ No

Submission Summary (if applicable)

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____ ☐ Special ☐ Paid Check / Receipt # / Initials: _____

**AQUA PURE WATER & SEWAGE SERVICE, LLC**

3855 E. Silver Springs Blvd., Unit 107

Ocala, Florida 34470

(352) 355-2383

To Be Completed By Laboratory

Date Received / Time Received

SEP 30 2014 5:09

632-4949 when

Items are ready for pick-up - Thanks

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water SystemClient: CFAT H2O Utilities

Plan ID #: _____

Tier #: _____

Bottle #: 7

Report to: (Name and Mailing Address)

☒ On FileSystem Name: LandfairSystem ID #: 3424610System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben LawContact Phone: 352-843-1040**Instructions for Sample Collector / Homeowner or Site Contact**If you have any questions please call: Reuben LawPhone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

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- 1.) Prior arrangements will be made with you to coordinate delivery or pickup of your sample once you have it collected.
- 2.) MINIMUM of 6 hours with no water usage from the tap to be sampled is required. Please be sure you have met this condition before you fill the bottle. Do not use a tap that is attached to a water softener or point of use filter, if possible.
- 3.) Cold Water Kitchen or Bathroom faucet MUST be used for this sample, DO NOT remove the aerator. Place opened bottle below faucet BEFORE turning on water. Gently open cold water tap and fill bottle completely (to within 1/2 inch of top, without overflowing).
- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By SamplerAddress: 7334 NE Jacksonville Rd #100AWater Last Used: Date 9-19-21 and Time 10:PM a.m. or ☒ p.m. (circle one)Sample Collected: Date 9-20-21 and Time 7:AM ☒ a.m. or p.m. (circle one)Sample Tap Location: ☒ KITCHEN / BATH (circle one) Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Andres FernandezSignature: Andres Fernandez**To Be Completed By Laboratory**Received By: mm Sample #: 214530Sample Volume <900 mLs: ☐ Yes ☒ No**Submission Summary (if applicable)**

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____ ☐ Special ☐ Paid Check / Receipt # / Initials: _____

**AQUA PURE WATER & SEWAGE SERVICE, LLC**

3855 E. Silver Springs Blvd., Unit 107

Ocala, Florida 34470

(352) 355-2383

To Be Completed By Laboratory

Date Received / Time Received

SEP 20 21 09:09

LEAD and COPPER Sample Form & Certification of Training for Sample Collection**PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.****To Be Completed By Public Water System**

Client: CFAT H2O Utilities Plan ID #: _____ Tier #: _____ Bottle #: 8

Report to: (Name and Mailing Address) ☒ On File System Name: Landfair

System ID #: 3424620 System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben Law Contact Phone: 352-843-1040

Instructions for Sample Collector / Homeowner or Site Contact**If you have any questions please call: Reuben Law Phone Number: 352-843-1040**

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

Please Note the Following Important Information:

- 1.) Prior arrangements will be made with you to coordinate delivery or pickup of your sample once you have it collected.
- 2.) MINIMUM of 6 hours with no water usage from the tap to be sampled is required. Please be sure you have met this condition before you fill the bottle. Do not use a tap that is attached to a water softener or point of use filter, if possible.
- 3.) Cold Water Kitchen or Bathroom faucet MUST be used for this sample, DO NOT remove the aerator. Place opened bottle below faucet BEFORE turning on water. Gently open cold water tap and fill bottle completely (to within 1/2 inch of top, without overflowing).
- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By SamplerAddress: 7334 NE Jacksonville Rd #170AWater Last Used: Date 9-20-21 and Time 12:00 AM (a.m.) or p.m. (circle one)Sample Collected: Date 9-21-21 and Time 2:00 PM a.m. or (p.m.) (circle one)Sample Tap Location: KITCHEN / BATH (circle one) Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Steve MabreeSignature: [Signature]**To Be Completed By Laboratory**Received By: WMM Sample #: 214531 Sample Volume <900 mLs: ☐ Yes ☒ No**Submission Summary (if applicable)**

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____ ☐ Special ☐ Paid Check / Receipt # / Initials: _____



AQUA PURE WATER & SEWAGE SERVICE, LLC

3855 E. Silver Springs Blvd., Unit 107

Ocala, Florida 34470

(352) 355-2383

To Be Completed By Laboratory

Date Received / Time Received

SEP 20/21 04:10:05

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water System

Client: CFAT H2O Utilities

Plan ID #: _____

Tier #: _____

Bottle #: 9

Report to: (Name and Mailing Address) _____

☒ On File

System Name: Landfair

System ID #: 3424690

System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben Law

Contact Phone: 352-843-1040

Instructions for Sample Collector / Homeowner or Site Contact

If you have any questions please call: Reuben Law

Phone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are required to determine the contribution of faucet fixtures and household pipes &/or solder to the levels of Lead or Copper in your drinking water. In order to comply with EPA requirements we will require your cooperation. The sample location has been predetermined by a State approved sampling plan and your home or business was selected. The sample is to be collected after an extended period of at least 6 hours stagnant water conditions (no water usage in this period). Due to this requirement we suggest that you collect your sample first thing in the morning BEFORE any water usage, alternately collect in the evening when you return from being out.

Please Note the Following Important Information:

- 1.) Prior arrangements will be made with you to coordinate delivery or pickup of your sample once you have it collected.
- 2.) MINIMUM of 6 hours with no water usage from the tap to be sampled is required. Please be sure you have met this condition before you fill the bottle. Do not use a tap that is attached to a water softener or point of use filter, if possible.
- 3.) Cold Water Kitchen or Bathroom faucet MUST be used for this sample, DO NOT remove the aerator. Place opened bottle below faucet BEFORE turning on water. Gently open cold water tap and fill bottle completely (to within 1/2 inch of top, without overflowing).
- 4.) Tightly cap the bottle and complete the following information. Thank you for your cooperation, you will be provided with a copy of these results as soon as practical.

To Be Completed By Sampler

Address: 7767 NE 20th Ct.

Water Last Used: Date 9/17/21 and Time 2:00 a.m. or p.m. (circle one)

Sample Collected: Date 9/17/21 and Time 8:45 a.m. or p.m. (circle one)

Sample Tap Location: KITCHEN / BATH (circle one)

Other (specify): _____

I have read the above instructions and have collected my sample accordingly:

Print Name: Phil Hensley

Signature: Phil Hensley

To Be Completed By Laboratory

Received By: YUY Sample #: 214532

Sample Volume <900 mLs: ☐ Yes ☒ No

Submission Summary (if applicable)

Submission Number: _____ Sample Number: _____ to _____ Total Number of Samples: _____

Sample Number(s) of containers containing <900 mLs: _____

Comments: _____ ☐ Special ☐ Paid Check / Receipt # / Initials: _____

E WATER & SEWAGE SERVICE, LLC

855 E. Silver Springs Blvd., Unit 107

Ocala, Florida 34470

(352) 355-2383

To Be Completed By Laboratory
Date Received / Time Received

SEP 30 '21 4:09 PM

LEAD and COPPER Sample Form & Certification of Training for Sample Collection

PLEASE RETURN THIS SHEET WITH WATER SAMPLE. THANK YOU FOR YOUR COOPERATION.

To Be Completed By Public Water System

Client: CFAT H2O Utilities Plan ID #: _____ Tier #: _____ Bottle #: 10

Report to: (Name and Mailing Address) ☒ On File System Name: Landfair

System ID #: 3424620 System Type: ☒ Community ☐ Non-Transient Non-Community

Sample Location: _____

Contact Name: Reuben Law Contact Phone: 352-843-1040

Instructions for Sample Collector / Homeowner or Site Contact

If you have any questions please call: Reuben Law Phone Number: 352-843-1040

Samples for Lead and Copper testing are being collected from your home or business according to EPA requirements. These samples are

**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**

Page 1 of 1

Date Received and Analyzed / Time Received

JAN 4 '22 AM 11:05**This Side To Be Completed By Client / Sample Collector**System Name: Landfair Subdivision PWS ID: 3424690System Phone: 352-622-4949 System Address: NE 78th St & CR200ASystem County: Marion Client: CFATCollector: Reuben Law Collector Phone: 352-661-8952Type of Supply: (check only one) ☒ 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☐ Clearance ☐ Boil Water Notice ☐ FDACS finished product (ice) ☐ Other: _____Sample Collection Date(s): 1-3-2022 PO Number: _____

Comments: _____

This Side For Laboratory Use OnlyReceived By: JE ☐ Special ☐ TC ICE☒ On Ice ☐ Not On Ice 5.9 °C☐ Paid Check or Receipt Number and Initials: _____Disinfectant Check: ☒ Not Detected _____ mg/L

Comments: _____

Analysis Method: SM9223B (Colilert)

Time(s) Analyzed: 3:51 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)
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	E. Well	2015	R	N/A
	W. Well	2020	R	N/A
	WW H.B.	2005	D	1.20

☒ Free chlorine ☐ Total chlorineDisinfectant Residual Analysis Method: ☒ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is:

☒ A certified operator (# B13153) ☐ Supervised by a certified operator (# _____)☐ Employed by a certified lab ☐ Employed by DEP or DOH ☐ Authorized representative of supplier of water¹For Sample Types see Instructions item 116.²DQ = Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)³Complete for community and nontransient noncommunity systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.

Report to: (Name and Mailing Address)

On File

Laboratory Sample Number	Total Coliform	E. coli	DQ ²
--------------------------	----------------	---------	-----------------

Report / Submission Number:			
m2255	A	A	
m2256	A	A	
m2257	A	A	

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

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

1-6-22

Date

DEP/DOH Use Only

REVIEWED☐ Incomplete Collection Information☐ Repeat Samples Required☐ Replacement Samples Required**By William Gillett at 2:29 pm, Jan 10, 2022**

DEP/DOH Reviewing Official: _____



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: LANDFAIR SUBDIVISION		PWS Identification Number: 3424690	
PWS Type: <input checked="" type="checkbox"/> Community <input type="checkbox"/> Non-Transient Non-Community <input type="checkbox"/> Transient Non-Community <input type="checkbox"/> Consecutive			
Number of Service Connections at End of Month: 232		Total Population Served at End of Month: 580	
PWS Owner: LANDFAIR SUBDIVISION			
Contact Person: CHARES DEMENZES		Contact Person's Title: OWNER	
Contact Person's Mailing Address: NE 78TH ST CR 200A		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			

B. Water Treatment Plant Information

Plant Name: LANDFAIR WTP		Plant Telephone Number: 352-622-4949		
Plant Address: NE 78TH ST CR 200A		City: OCALA	State: FL Zip Code: 34478	
Type of Water Treated by Plant: <input checked="" type="checkbox"/> Raw Ground Water <input type="checkbox"/> Purchased Finished Water				
Permitted Maximum Day Operating Capacity of Plant, gallons per day: 360000				
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.

<i>Reuben Law</i>	(02/03/2022)	Reuben Law	0013153
Signature and Date		Printed or Typed Name	License Number



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:
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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/cm²	Minimum UV Dose Required, mW-sec/cm²			
1														
2														
3														
4														
5														
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24														
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.

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 not staffed during some hours it is in operation and if the plant does not 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 not 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

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

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: T₁₀/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

Inactivation (Log)	Water Temperature (°C)															
	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

Inactivation (Log)	Water Temperature (°C)															
	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

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

Table 4: CT Values for Inactivation of Viruses by Chlorine Dioxide

Inactivation (Log)	Water Temperature (°C)															
	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

Inactivation (Log)	Water Temperature (°C)															
	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

Inactivation (Log)	Water Temperature (°C)															
	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.**

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 not staffed during some hours it is in operation and if the plant does not 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 not 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

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

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: T₁₀/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

Inactivation (Log)	Water Temperature (°C)															
	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

Inactivation (Log)	Water Temperature (°C)															
	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

MONTHLY OPERATION REPORT FOR PWSs TREATING RAW GROUND WATER OR PURCHASED FINISHED WATER

Table 4: CT Values for Inactivation of Viruses by Chlorine Dioxide

Inactivation (Log)	Water Temperature (°C)															
	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

Inactivation (Log)	Water Temperature (°C)															
	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

Inactivation (Log)	Water Temperature (°C)															
	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



PWS CERTIFICATION OF NOTIFICATION OF LEAD AND COPPER TAP SAMPLE RESULTS

INSTRUCTIONS: This form shall be completed and submitted by community or non-transient non-community water systems that take lead and copper tap samples in accordance with 40 CFR 141.86 (2009). Such systems shall, no later than 30 days after receiving each individual sample, provide notice of the individual tap results to the persons served by the water system at the specific sampling site(s) from which the sample(s) were taken, as required by 40 CFR 141.85(d) (2009). **NO LATER THAN THREE MONTHS FOLLOWING THE END OF THE MONITORING**, such systems shall also mail a sample copy of the consumers notification of tap results with this form, completed, to the appropriate Department of Environmental Protection District Office or Approved County Health Department. For systems that are on a reduced lead and copper monitoring period, the end of the lead and copper monitoring period is September 30th of the calendar year in which the sampling occurred. All information provided on this form shall be typed or printed in ink.

I. General Information		
Public Water System (PWS) Name:		
PWS Identification Number:	PWS Type: Community Non-Transient Non-Community	
PWS Size: Small Medium Large		
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:		
Date of the end of the Lead and Copper Monitoring Period:		

II. Certification*

A. Certification by a Community Water System (CWS)

The CWS identified in Part I of this form had one or more lead and copper tap sample results for lead or for copper during the following monitoring period: _____

I am duly authorized to sign this form on behalf of the CWS. I certify that, no later than 30 days after the CWS received each individual lead and copper tap sample result during this monitoring period, the CWS notified each customer by mail, as required by 40 CFR 141.85(d) of the sample result.

_____ Signature and Date	_____ Printed or Typed Name	_____ Title
-----------------------------	--------------------------------	----------------

B. Certification by a Non-Transient Non-Community Water System (or a Community Water System Serving a Facility Where the Population Served Is Prevented from Making Plumbing Improvements and Is Not Separately Charged for Water Consumption)

The PWS identified in Part I of this form had one or more lead and copper tap sample results for lead or for copper during the following monitoring period: _____

I am duly authorized to sign this form on behalf of the PWS. I certify that, no later than 30 days after the PWS received each individual lead and copper tap sample result during this monitoring period, the PWS provided notice to consumers at sample taps tested, as required by 40 CFR 141.85(d). If the system posted the sample results in a public place or common area in the building(s) where the samples were taken, then check the box below.

The PWS posted the sample results in a public place or common area in the building(s) where the samples were taken, as required by 40 CFR 141.85(d).

_____ Signature and Date	_____ Printed or Typed Name	_____ Title
-----------------------------	--------------------------------	----------------

* A community water system (CWS) shall complete the certification in Part II.A of this form unless the CWS is serving a facility (such as a prison or hospital) where the population served is prevented from making plumbing improvements and is not separately charged for water consumption, in which case the CWS may use the certification in Part II.B of this form. A non-transient non-community water system shall complete the certification in Part II.B of this form.



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

Page 1 of 1

Date Received and Analyzed / Time Received

FEB 14 '22 AM 10:53

This Side To Be Completed By Client / Sample Collector

System Name: Landfair Subdivision PWS ID: 3424690

System Phone: 352-622-4949 System Address: NE 78th St + CR 200A

System County: Marion Client: CFAT H2O Utilities

Collector: Reuben Law Collector Phone: 352-661-8952

Type of Supply: (check only one) ☒ 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

☐ Clearance ☐ Boil Water Notice ☐ FDACS finished product (ice) ☐ Other: _____

Sample Collection Date(s): 2-13-22 PO Number: _____

Comments: _____

This Side For Laboratory Use Only

Received By: RP ☐ Special ☐ TC ICE

☒ On Ice ☐ Not On Ice 1.5 °C

☐ Paid Check or Receipt Number and Initials: _____

Disinfectant Check: ☒ Not Detected _____ mg/L

Comments: _____

Analysis Method: SM9223B (Colilert)

Time(s) Analyzed: 1-18pm

☐ 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 Type¹ Disinfectant Residual (mg/L)

	E. Well	1435	R	N/A
	W. Well	1440	R	N/A
	WW H.B.	1430	D	2.2

Average of disinfectant residuals for routine and repeat samples¹

2.2

☒ Free chlorine ☐ Total chlorine

Disinfectant Residual Analysis Method: ☒ DPD Colorimetric ☐ Other: _____

Person performing disinfectant analysis is:

☒ A certified operator (# B13153) ☐ Supervised by a certified operator (# _____)

☐ Employed by a certified lab ☐ Employed by DEP or DOH ☐ Authorized representative of supplier of water

¹For Sample Types see Instructions Item 1.16

²DQ = Data Qualifier (defined in Florida Administrative Code Rule 62-160, Table 1)

³Complete for community and nontransient noncommunity systems serving populations up to and including 4,900.

Do not include raw or plant samples in the average.

Laboratory Sample Number Total Coliform E. coli DQ²

Report / Submission Number:			
M22 1437	A	A	
M22 1438	A	A	
M22 1439	A	A	

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

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 Morris Date: 2-16-22

DEP/DOH Use Only

REVIEWED

By Marcos Ruiz at 8:11 am, Feb 21, 2022



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 24, 2020

Charles Demenzes, Owner
CFAT H2O Inc.
NE 78th St. CR 200A
Ocala, FL 34478
charlie@altfo.com

Re: Landfair Subdivision
PW Facility ID #3424690
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 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,

A handwritten signature in dark ink, appearing to read "Jill Farris", is written over a light gray circular background.

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 LANDFAIR SUBDIVISION County Marion PWS ID # 3424690
Plant Location NE 78th Street and CR 200A, Ocala, FL 34478 Phone 352-622-4949
Owner Name CFAT H2O Inc. Phone 352-622-4949
Owner Address P.O Box 5220, Ocala, FL 34478
Contact Person Charles Demenzen Title Owner Phone 352-622-4949
This Survey Date 5/22/20 Last Survey Date 7/13/17 Last Compliance Inspection Date 6/26/01

PWS TYPE: Community

PLANT CATEGORY & CLASS: 5C

MAX-DAY DESIGN CAPACITY: 360,000 gpd

PWS STATUS: Approved

TREATMENT PROCESSES IN USE

Hypochlorination

SERVICE AREA CHARACTERISTICS

Subdivision

Food Service: ☐ Yes ☐ No ☒ N/A

Number of Service Connections 232

Population Served 580 Basis Operator

OPERATION & MAINTENANCE LOG: Yes

Location Water treatment plant

Comments _____

CERTIFIED OPERATOR: Yes

Operator(s) & Certification Class-Number:

Steve McGee C-8154

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) 27,449 gpd

Maximum Day (from MORs) 60,000 gpd 7/2019

Comments _____

Flow Measuring Device Flow Meter

Meter Size & Type 6" Precision

Date Last Calibrated 6/4/20

RAW WATER SOURCE

☒ GROUND; Number of Wells 2

☐ PURCHASED from PWS ID # _____

☐ Emergency Water Source _____

Emergency Water Capacity _____

STANDBY POWER SOURCE: Yes

Source Diesel

Capacity of Standby (kW) 75

Switchover: ☒ Automatic ☐ Manual

Hrs Operated Under Load 1 hr/wk.

What equipment does it operate?

☒ Well Pumps All

☒ High Service Pumps All

☒ 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 N/A

Comments _____

GROUND WATER SOURCE

Well Number (Florida Unique Well ID #)		East 2 (AAG9305)	West 3		
Year Drilled		1985	2005		
Depth Drilled		145'	190'		
Drilling Method		Cable tool	Combination		
Type of Grout		Neat cement	Unknown		
Static Water Level		Unknown	65'		
Pumping Water Level		Unknown	Unknown		
Design Well Yield		Unknown	Unknown		
Test Yield		Unknown	150 gmp		
Actual Yield (if different than rated capacity)		Unknown	Unknown		
Strainer		Unknown	Unknown		
Length (outside casing)		84'	87'		
Diameter (outside casing)		8"	4"		
Material (outside casing)		Black steel	Black steel		
Well Contamination History		None	None		
Is inundation of well possible?		No	No		
6' X 6' X 4" Concrete Pad		Yes	Yes		
SET BACKS	Septic Tank	>200'	>200'		
	Reuse Water	N/A	N/A		
	WW Plumbing	>200'	>200'		
	Other Sanitary Hazard	None observed	None observed		
PUMP	Type	Submersible	Submersible		
	Manufacturer Name	Unknown	Grundfos		
	Model Number	Unknown	150S100-5		
	Rated Capacity (gpm)	500	150		
	Motor Horsepower	5	10		
Well casing 12" above grade?		No*	Yes		
Well Casing Sanitary Seal		OK	OK		
Raw Water Sampling Tap		Yes	Yes		
Above Ground Check Valve		Yes	Yes		
Security		Yes	Yes		
Well Vent Protection		N/A	Yes		

COMMENTS *The Department will continue to accept the well casing height as it currently exists unless it is shown to contain chemical or microbial contamination.

CHLORINATION (Disinfection)

Type: ☐ Gas ☒ Hypo
Make Chem Tech Capacity 30 gpd
Chlorine Feed Rate 40% stroke
Avg. Amount of Cl₂ gas used N/A
Chlorine Residuals: Plant 1.76 Remote 1.21
Remote tap location Marathon back sink
DPD Test Kit: ☐ On-site ☒ With operator
☐ None ☐ Not Used Daily
Injection Points Prior to ground storage tank
Booster Pump Info N/A
Comments _____

Chlorine Gas Use Requirements	YES	NO	Comments
Dual System	<input type="checkbox"/>	<input type="checkbox"/>	
Auto-switchover	<input type="checkbox"/>	<input type="checkbox"/>	
Alarms:			
Loss of Cl ₂ capability	<input type="checkbox"/>	<input type="checkbox"/>	
Loss of Cl ₂ residual	<input type="checkbox"/>	<input type="checkbox"/>	
Cl ₂ leak detection	<input type="checkbox"/>	<input type="checkbox"/>	
Scale	<input type="checkbox"/>	<input type="checkbox"/>	
Chained Cylinders	<input type="checkbox"/>	<input type="checkbox"/>	
Reserve Supply	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate Air-pak	<input type="checkbox"/>	<input type="checkbox"/>	
Sign of Leaks	<input type="checkbox"/>	<input type="checkbox"/>	
Fresh Ammonia	<input type="checkbox"/>	<input type="checkbox"/>	
Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	
Room Lighting	<input type="checkbox"/>	<input type="checkbox"/>	
Warning Signs	<input type="checkbox"/>	<input type="checkbox"/>	
Repair Kits	<input type="checkbox"/>	<input type="checkbox"/>	
Fitted Wrench	<input type="checkbox"/>	<input type="checkbox"/>	
Housing/Protection	<input type="checkbox"/>	<input type="checkbox"/>	

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	H	G	B
Capacity (gal)	20,000	200,000	200
Material	Steel	Steel	Steel
Gravity Drain	Yes	Yes	N/A
By-Pass Piping	Yes	Yes	N/A
Protected Openings	Yes	Yes	N/A
Sight Glass or Level Indicator	Yes	Yes	N/A
PRV/ARV	PRV	N/A	N/A
Pressure Gauge	Yes	N/A	N/A
On/Off Pressure	52/62	N/A	N/A
Access Secured	Yes	Yes	Yes
Access Manhole	Yes	Yes	No
Tank Sample Tap Location	On tank	On tank	N/A
Date of Inspection	12/19	12/19	N/A
Date of Cleaning	12/19	12/19	N/A

Comments _____

HIGH SERVICE PUMPS

Pump Number	1	2	3
Type	Vertical turbine	Vertical turbine	Vertical turbine
Make	Goulds	Goulds	Goulds
Model	92SV	92SV	92SV
Capacity (gpm)	500	500	500
Motor HP	20	20	20
Date Installed	~5/07	~5/07	~5/07

Comments _____

DEFICIENCIES:

No deficiencies noted at the time of inspection.

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.]



Inspector Signature

Amada Fernandez

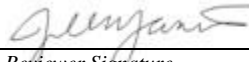
Printed Name

Environmental Specialist II

Title

6/8/20

Date



Reviewer Signature

Jill Farris

Printed Name

Environmental Manager

Title

6/23/20

Date

Annual Drinking Water Quality Report for 2020

Landfair

Florida Department of Environmental Protection Public Water System ID # 3424690

We're pleased to provide you with this year's Annual Water Quality Report. The 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 dependable supply of quality 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 Floridan aquifer, one of the world's most protected sources. Our water is chlorinated for disinfection purposes. In 2020 the 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 two potential sources of contamination identified for this 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 any 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 constituents 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, 2020. Data obtained before January 1, 2020, and presented in this report are from the most recent testing performed in accordance with the laws, rules and regulations.

WATER QUALITY TEST RESULTS for LANDFAIR								
Radioactive Contaminants								
Contaminant and Unit of Measurement		Dates of Sampling (mo./yr.)	MCL Violation Yes / No	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Radium 226 + 228	(pCi/L)	Dec '18	No	1.5	N/A	0	5	
Inorganic Contaminants								
Contaminant and Unit of Measurement		Dates of Sampling (mo./yr.)	MCL Violation Yes / No	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Arsenic	(ppb)	Dec '18	No	0.4	N/A	N/A	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium	(ppm)	Dec '18	No	0.004	N/A	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	(ppm)	Dec '18	No	0.15	N/A	4	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at optimum levels between 0.7 and 1.2 ppm
Nitrate (as Nitrogen)	(ppm)	Dec '20	No	0.64	N/A	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	(ppm)	Dec '18	No	19	N/A	N/A	160	Salt water intrusion; leaching from soil
Stage 2 Disinfectants and Disinfection By-Products								
Disinfectant or Contaminant and Unit of Measurement		Dates of Sampling (mo./yr.)	MCL or MRDL Violation Yes / No	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
Chlorine	(ppm)	2020	No	0.7	0.2 - 1.6	MRDLG = 4	MRDL = 4.0	Water additive used to control microbes
Haloacetic Acids (five) (HAA ₅)	(ppb)	Aug - Oct '20	No	10.3	ND - 10.3	N/A	MCL = 60	By-product of drinking water disinfection
Total trihalomethane (tTHM)	(ppb)	Aug - Oct '20	No	30.8	1.19 - 30.8	N/A	MCL = 80	By-product of drinking water disinfection
Lead and Copper (Tap Water)								
Contaminant and Unit of Measurement		Dates of Sampling (mo./yr.)	AL Violation Yes / No	90th Percentile Result	No. of Sampling Sites Exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper	(ppm)	Jul '18	No	0.047	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	(ppb)		No	1.4	0	0	15	Corrosion of household plumbing systems; erosion of natural deposits

In the table presented you may find unfamiliar terms and abbreviations. To help you better understand these terms we have provided the following definitions (please note not all definitions may pertain to your report):

- Action Level (AL) – the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
- Maximum Contaminant Level (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 (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.
- Maximum Residual Disinfectant Level (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 growth.
- Maximum Residual Disinfectant Level Goal (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 contamination.
- ND – This abbreviation means not detected and indicates that the substance was not found by laboratory analysis.
- Parts per million (ppm) or milligrams per Liter (mg/L) - one part of analyte (by weight) to 1 million parts of water sample (by weight).
- Parts per billion (ppb) or micrograms per Liter (µg/L) - one part of analyte (by weight) to 1 billion parts of water sample (by weight).
- Picocurie per liter (pCi/L) - measure of the radioactivity in water.

What does this mean?

As you can see our system had no violations of water quality. However, we did incur a monitoring / reporting violation for Disinfection Byproduct sampling in 2020. Our samples were due during the third calendar quarter and in August we mistakenly collected the sample at an incorrect location (not on the approved sampling plan). Upon discovery of the error, in October, we collected the sample at the correct location but it was late. Both of the sample locations were satisfactory and there was no indication your health was at risk. We have hired a new operation company to better control our future sampling efforts.

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. We are 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 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 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 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 storm water 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 storm water runoff, and septic systems.
- e. Radioactive contaminants, which may 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, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The FDA (Food & Drug Administration) 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 at 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 from infections. These people should seek advice from their health care providers about their drinking water. EPA/CDC (Center for Disease Control) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are also 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.



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 20, 2021

Charles DeMenzes, Owner
CFAT H2O Inc.
7745 NE 22nd Terrace
Ocala, FL 34479
charlie@altfo.com

Re: Warning Letter
Landfair WWTF
DW facility id # FLA010722
Marion County

Dear Mr. DeMenzes:

A Compliance Evaluation Inspection was conducted at your facility on November 16, 2021. During this inspection, possible violations of Chapter 403, F.S., Chapter 62-160, Florida Administrative Code (F.A.C.), Chapter 62-600 and Chapter 62-620, F.A.C. were observed.

During the inspection Department personnel noted the following:

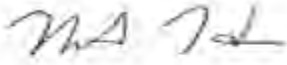
- The permit renewal application has not been received by the Department.
- The Chlorine Contact Chamber wall was leaking effluent.
- The Operation and Maintenance Manual was not on site.
- The flow meter calibration was past due.

Violations of Florida Statutes or administrative rules may result in liability for damages and restoration, and the judicial imposition of civil penalties, pursuant to Sections 403.121, Florida Statutes.

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/ch

Enclosures: Inspection Report (with attachments)
Exhibit A

cc: Reuben Law, randkenvironmental@outlook.com
Debbie Dillon, debbie@alternativephone.com



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

WASTEWATER COMPLIANCE INSPECTION REPORT



Facility Details

Facility Name	Landfair WWTF			WAFR ID	FLA010722		
Physical Address	7745 NE 22 nd Terrace			City, State, Zip	Ocala, FL 34479		
County	Marion			Facility Phone #	352-622-4949		
Permit Issued:	4/10/2017			Permit Expiration:	4/9/2022		
Facility Type	Domestic Wastewater			Is the Facility NPDES (Y/N)	No		
Latitude	Degrees °	29	Minutes ‘	16	Seconds “	4.99	
Longitude	Degrees °	82	Minutes ‘	6	Seconds “	16.48	

Inspection Details

Inspection Type		Entry Date		Exit Date		
CEI Choose an item.		11/16/2021		11/16/2021		
		Entry Time (HH:MM AM/PM)		Exit Time (HH:MM AM/PM)		
		8:55 am		9:41 am		
Sampling Taken (Y/N)	No	RQ#	N/A		QA Conducted (Y/N)	Yes
Name(s) and Title of Field Representatives(s)		Operator Certification		Email		Phone Number
Reuben Law		B-0012483		randkenvironmental@outlook.com		352-661-8952
Charlie DeMenzes		n/a		charlie@altfo.com		352-843-7790
Name(s) and address of Permittee / Designated Rep.		Title		Email		Phone Number
Charles DeMenzes CFAT H2O Inc. P.O. Box 5220 Ocala, FL 34478		Owner n/a		charlie@altfo.com n/a		352-843-7790 n/a

Inspector Information

Name(s) and Signature(s) of Inspectors(s)	District Office/Phone Number	Date
Carolyn Hall 	CD 407-897-4114	12/6/2021
n/a	n/a	n/a
Name and Signature of Reviewer	District Office/Phone Number	Date
David Smicherko 	CD 407-897-4344	12/17/2021

Facility Compliance Eval Areas

IC = In Compliance; MC = Minor Out of Compliance; NC = Out of Compliance; SC = Significant Out of Compliance; NA = Not Applicable; NE = Not Evaluated <i>Significant Non-Compliance Criteria Should be Reviewed when Out of Compliance Ratings Are Given in Areas Marked by a “*”</i>							
Overall Compliance Determination				Out of Compliance			
NC	*Permit	IC	Laboratory	NC	Facility Site Review	NC	*Effluent Quality
IC	*Compliance Schedules	NC	Sampling	NC	Flow Measurement	IC	*Effluent Disposal
NC	*Records & Reports	IC	Biosolids	IC	*Operation & Maintenance	NC	*Groundwater
IC	SSO Survey	NA	Other	NA	Nutrient Management Plan	NA	Access Control
NA	Site Restrictions & Setbacks	NA	Odor/Nuisance	NA	Site Monitoring	NA	MLPW Disposal
NA	Manure Solids						

Clear Report	Hide/Unhide Placeholders	Generate Blank Rows (for field paper setup)	Generate Deficiency & Observation Rows	Finish Inspection Report Form
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Single Event Violations (“*” SNC SEVs)

Check for Yes	Evaluation Area	Description	Finding Description	Finding ID
<input type="checkbox"/>	Permit	Effluent Violations - Unapproved Bypass	Wastewater was diverted from a portion of the treatment process without department approval.	UNBY
<input type="checkbox"/>	*Permit	Permit Violations - Discharge Without a Valid Permit	The facility was operating without a permit or with an expired permit.	UPHI
<input checked="" type="checkbox"/>	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
<input type="checkbox"/>	Laboratory	Management Practice Violations - Laboratory Not Certified	The laboratory was not certified by the National Environmental Laboratory Accreditation Conference (NELAC).	LNCE
<input type="checkbox"/>	Sampling	Monitoring Violations - Analysis not Conducted	The facility failed to collect and/or analyze samples as required by permit or enforcement action.	ANCV
<input type="checkbox"/>	Sampling	Monitoring Violations - Failure to Monitor for Toxicity Requirements	The facility failed to collect and/or analyze routine or follow-up toxicity samples.	FTOX
<input type="checkbox"/>	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
<input type="checkbox"/>	Records and Reports	Management Practice Violations - Failure to Maintain Records	The facility failed to maintain records for the required retention period.	FMRR
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	Facility Site Review	Management Practice Violations - Improper Land Application (non-503, non-CAFO)	The land application system was not being maintained.	LASN
<input type="checkbox"/>	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
<input type="checkbox"/>	Operation and Maintenance	Management Practice Violations - Improper Operation and Maintenance	The facility failed to follow their operation and maintenance plan/manual.	IONM
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent acute toxicity has been documented through follow-up tests.	EATX
<input type="checkbox"/>	*Effluent Quality	Effluent Violations - Failed Toxicity Test	Persistent chronic toxicity has been documented through follow-up tests.	ECTX
<input type="checkbox"/>	*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
<input checked="" type="checkbox"/>	Effluent Quality	Effluent Violations - Narrative Effluent Violation	The facility violated a permit or enforcement narrative effluent limit.	XNEV
<input type="checkbox"/>	Effluent Quality	Effluent Violations - Reported Fish Kill	The facility had a discharge of wastewater that resulted in a fish kill.	XFSH
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	Sanitary Sewer Overflow Survey	WW SSO - Failure to report violation that may endanger public health 122.41(I)(7)	The facility failed to report a sewage spill within 24 hours of discovery.	SSO4
<input type="checkbox"/>	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
<input type="checkbox"/>	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

Permit

Compliance Rating	Out of Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
*Is the permit current?	Yes			
Is a copy of the permit available onsite?	Yes			
Is the facility operated in accordance with the permit?	Yes			
*Was the facility constructed or modified with an appropriate or valid permit issued by the Department?	N/A			
Has the facility submitted the permit renewal application 180 days prior to the expiration date?	No			
If the permittee for the facility has changed did the department receive notification of this change?	N/A			
If the permit is accompanied by a Consent Order or Administrative Order are, they abiding by the conditions of the order?	Yes			
Is wastewater from a portion of the treatment process diverted with Department approval?	Yes			
*Is the facility discharging to waters of the state with an appropriate FDEP permit?	N/A			
*Was the facility free from unpermitted discharge, bypass, collection system, or residuals with a high potential for water quality or health impacts?	Yes			
Is the facility free from any Permit violation not listed above that needs to be addressed?	N/A			
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a "*" Questions with "No" responses indicate deficiencies Questions with "N/A" responses do not apply to the facility 				
Deficiencies & Corrective Actions:				
The permittee failed to submit an application to renew the existing permit at least 180 days prior to expiration. [62 620.335(1) F.A.C., 62-620.410(5) F.A.C., PFSA]	Deficiency: (Narrative) The permit renewal application was due by October 11, 2021 and has not been submitted.			
	Corrective Action(s): (Narrative) Submit the permit application by December 31, 2021.			
Observations:				
A copy of the current permit was available on site. The facility is under Consent Order 21-0360 for failure to meet effluent limit requirements of Total Suspended Solids (TSS) and Total Nitrogen (TN) limits.				

Compliance Schedule

Compliance Rating	In Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
If the facility has a compliance schedule in a permit, Administrative Order or Enforcement Action are they in compliance with the schedule?	Yes			
*Are the Compliance Date(s), Construction Milestone(s), Enforcement Order Schedule(s) or Final Compliance Date started/completed within 90 days of the due date?	N/A			
Has the facility completed construction and submitted a Notification of Completion of Construction for Wastewater Facilities or Activities (Form 62-620.910(12)), if required?	N/A			

Has the Notification of Availability of Record Drawings and Final Operation and Maintenance Manuals (Form 62-620.910(13)) been submitted as required?	N/A
If the facility is under a Toxicity Corrective Action Plan, are they in compliance with the plan?	N/A
Is the facility free from any Compliance Schedule violation not listed above that needs to be addressed?	Yes
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a “*” Questions with “No” responses indicate deficiencies Questions with “N/A” responses do not apply to the facility 	
Observations:	
At the time of inspection, the facility has a compliance schedule to use EZ DMR and it is being used.	

Laboratory

Compliance Rating	In Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
Is there a current copy of the laboratory certification onsite?	Yes			
If the facility has an onsite laboratory does it have a Florida Department of Health Environmental Laboratory Certification Program certification?	N/A			
Facility DOH Certification #	Click or tap here to enter text. N/A			
Contract Lab Name and DOH Certification #	Aqua Pure E83265 Yes			
Does the onsite laboratory use sample analysis methods prescribed in 40 CFR part 136 or a test method that has gone through the EPA alternative method approval process?	N/A			
Does the facility have standard operating procedures that follow the methods set in 62-620.10(18) F.A.C. including 40 CFR Part 136; including required instrumentation, glassware cleaning, reagent/standard use, and troubleshooting procedures?	N/A			
Does the facility have a QA/QC program with a written QA/QC manual as required by 40 CFR 122.41 that is up to date and available for review?	N/A			
Does the facility follow the procedures set in the QA/QC manual; including instrument calibration/maintenance, checks on standard solutions, sample analysis precision/accuracy limits on a prescribed bases and QC samples (duplicate, spiked, blank in at least 10%)?	N/A			
Is the detailed record complete and available for review for each set of analyses performed including the order of calibration, QA/QC, bracketing, and samples analyzed?	N/A			
Does the facility have QA/QC records on the reagent preparation, instrument calibration/maintenance, incubator temperature and purchase of laboratory supplies?	N/A			
Does the facility's laboratory documentation of the sample results use qualifier codes when sample QA/QC fall outside acceptable precision and accuracy limits set in the QA/QC manual?	N/A			
Does the facility's laboratory take and record corrective actions or trouble shooting steps when data falls out of the precision and accuracy limits?	N/A			
Are records of standard(s) and reagent(s) preparation maintained at the laboratory?	N/A			
Is the laboratory maintaining adequate records for reagent preparation(s)?	N/A			
Does the laboratory have a system for uniformly recording, correcting, processing and reporting data; including formulas, significant figures, rounding rules, units, cross-checking calculations?	N/A			

Is the facility's laboratory adequate for analyzing samples; including pure water, clean bench space for instrument use/storage free of contamination, necessary equipment, vibration free area, ventilation, humidity and temperature control?	N/A
Does the Laboratory meet NELAC and EPA standards including; dry and clean sample storage locations, sample custodian(s) to ensure upon receipt of samples, proper sample storage, preservation and custody documentation?	N/A
Does the facility use appropriate standards that are prepared in volumetric glassware, checked against reliable primary standards, labeled properly, stored in clean containers, and discarded when expired or degraded?	N/A
Does the facility's laboratory analyst(s) demonstrate competency and appropriate training; including ability to follow procedures, ability to meet precision and accuracy limits, knowledge of equipment and analytical methods.	N/A
If the facility test requires temperature measurement, is there a thermometer present that is routinely calibrated against NIST thermometer within calibration date range?	N/A
Is the sample refrigerator temperature correct to meet the preservation requirements for the samples stored within?	N/A
Is the facility free from any Laboratory violation not listed above that needs to be addressed?	N/A
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a "*" Questions with "No" responses indicate deficiencies Questions with "N/A" responses do not apply to the facility 	
Quality Assurance Evaluation: Lab Report QA Audit Checklist	
No deficiencies were noted during the Lab Report QA review conducted on 12/08/2021.	
Observations:	
The facility does not have an onsite laboratory, samples are collected and sent to Aqua Pure.	

Sampling

Compliance Rating	Out of Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
In facility log books or other documentation, are the daily records appropriately recorded, including composite sampler or other temperatures, and daily calibration of meters.	No			
Does the facility maintain records of their daily calibration of their pH meter, chlorine meter, dissolved oxygen meter?	Yes			
Does the facility maintain records of their daily checks of their in-line meter(s) with their field meter(s)?	N/A			
Do field sheets document that the collection and analysis of field tests were analyzed within the 15-minute holding time.	Yes			
Are meters calibrated and sample analysis conducted at the facility done in accordance with DEP SOP and NELAC guidelines? (calibration frequency and sample bracketing for pH, total residual chlorine (TRC), turbidity, DO)	No			
Are all the primary and secondary standards used to calibrate and verify meters, used prior to expiration dates and verified against primary standards appropriate for pH, TRC, turbidity, DO?	Yes			
Are the inline meters reading within established limits compared to the bench meters? (TRC ≤ 20%, Turbidity ≤ 20%, pH 0.2 SU)	N/A			

Were safe access points for obtaining representative influent/effluent samples available?	Yes
Are influent sampling points put prior to internal facility return lines including supernatant, filter backwash and return activated sludge (RAS)?	Yes
Are samples being collected and analyzed as required by the permit or enforcement action; including location, type (grab/composite), time, and frequency?	Yes
Are samples being collected in the proper containers, preserved and analyzed in appropriate hold times in accordance with 40 CFR Part 136, Table II?	Yes
If the facility has a composite sampler with cooling system at the influent/effluent sampling location is there a thermometer present in the sampler that is annually checked against NIST thermometers?	N/A
Is composite sampling being conducted appropriately; including purging, sampling velocity at least 2fps, clean tubing, individual sample volume of at least 100 mL, sample storage of <6°C preservation, hold times and representative samples?	N/A
Did the facility have their Chain of Custody records?	Yes
If sampling was conducted and observed during the inspection did the sampling follow DEP SOP requirements?	N/A
Did the facility collect and/or analyze routine or follow-up toxicity samples as required by permit or enforcement action?	N/A
Is the facility free from any Sampling violation not listed above that needs to be addressed?	Yes
<ul style="list-style-type: none"> • <i>Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a “*”</i> • <i>Questions with “No” responses indicate deficiencies</i> • <i>Questions with “N/A” responses do not apply to the facility</i> 	
Deficiencies & Corrective Actions:	
In facility log books or other documentation are the daily records appropriately recorded including; composite sampler or other temperatures, and daily calibration of meters.[62-160.210(1) F.A.C., 62-160.800(1)(a) F.A.C., DEP SOP FD 1000-6000]	Deficiency: (Narrative) The following items were noted during the QA review performed on 12/8/21 for Field Sheets, Chain of Custody (COC), and Sampling Calibration/Verification Records: <ul style="list-style-type: none"> - time is not documented for calibrations - units are not documented for standards - acceptance criteria is not documented for pH and TRC - no indication if verification or calibration passed - no notes section documenting maintenance or corrective actions - pH is not bracketed. pH readings are above 7 s.u. and a buffer of 10 s.u. should be used to bracket the data and ensure meter accuracy. - matrix (GW, WW, etc.) is not indicated on the COC - sample kits are provided and there is no sample kit ID or lot numbers of preservatives documented on the COC.
	Corrective Action(s): (Narrative) An example calibration/verification field sheet was provided to the operating company on 12/9/21 along with a list of the findings to update the calibration records. No further action will be required at this time.
Are meters calibrated and sample analysis conducted at the facility done in accordance with DEP SOP and NELAC guidelines? (calibration frequency and sample bracketing for pH, total residual chlorine (TRC), turbidity, DO)[62-	Deficiency: (Narrative) pH bracketing is not complete as required by DEP SOP FT 1100.
	Corrective Action(s): (Narrative) Include the use of a buffer of 10 s.u. to bracket the pH readings from 4 s.u. to 10. s.u..

160.210(1) F.A.C., 62-160.800(1)(a) F.A.C., DEP SOP FT 1000]	
Quality Assurance Evaluation: Field Sheets and Chain of Custody & Sampling Calibration Verification Log QA Audit Checklists	
See the above deficiencies found during the QA review completed 12/8/2021.	
Observations:	
See the above deficiencies found during the QA review completed 12/8/2021.	

Records and Reports

Compliance Rating	Out of Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
Are the entries in the operator logbook clear, concise, informative and relevant?	Yes			
Was copy of the current O&M manual available at the time of the inspection?	No			
Is there a current operator license?	Yes			
Is there a current RPZ certification?	Yes			
Is there a copy of the current Operating Protocol for Part 3 Reuse?	N/A			
Does the facility have and maintain their Spill Prevention Control and Counter measurement (SPCC) Plan?	Yes			
Are all required documents and reports available at the plant well organized and complete?	Yes			
Does the facility maintain the records onsite for the required retention period?	Yes			
Discharge Monitoring Reports (DMRs) Review Period	09/01/2020-09/30/2021 Yes			
Are the discharge monitoring reports completed properly?	Yes			
Are the DMRs submitted on the proper form?	Yes			
Is an authorized representative signing the DMRs?	Yes			
Has the permittee submitted an annual Reclaimed Water and/or Effluent Analysis Report?	N/A			
Does the facility submit their monitoring results for Giardia and Cryptosporidium in a timely manner?	N/A			
A review of the last toxicity test did not reveal any deficiencies?	N/A			
Has the facility submitted all report(s) during the review period that are required by rule, permit, enforcement action or inspection activity, other than DMRs?	Yes			
*Has the facility timely submitted DMRs as required by rule, permit, or enforcement action? (If either reports are >30 days late meets SNC criteria)	Yes			
Has the facility submitted all final compliance schedule reports as required by rule, permit, or enforcement action?	Yes			
Has the permittee notified the Department of any event or activity that requires notification as required by permit or rule?	Yes			
*Are records or reports free from falsified data?	N/A			
Is the facility free from any Records and Reports violation not listed above that needs to be addressed?	Yes			

- Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a “*”
- Questions with “No” responses indicate deficiencies
- Questions with “N/A” responses do not apply to the facility

Deficiencies & Corrective Actions:

Was copy of the current O&M manual available at the time of the inspection?[62-600.720 F.A.C., 62-620.350 F.A.C.]	Deficiency: (Narrative) At the time of inspection, a copy of the Operation and Maintenance Manual was not on site.
	Corrective Action(s): (Narrative) Please provide a copy of the operation and maintenance manual to the department by email.

Quality Assurance Evaluation: DMR Part A, DMR Part B and Groundwater DMR QA Audit Checklists

No errors were found during the QA review completed on 11/15/2021.

Observations:

The RPZ certification was done by Ocala Back Flow and Prevention on 2/21/21. The operator certification for Ruben Law was on site (B-0012483) The operator’s logbook was bound and numbered, with relevant sampling and maintenance logged.

Facility Site Review

Compliance Rating	Out of Compliance
Does this section apply to the facility?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Questions	
The headworks was free from excessive corrosion.	Yes
The headwork is free from evidence of recent overflows.	Yes
Is the odor control system operational at the headworks?	N/A
Is the comminutor operational at the headworks?	N/A
Is the grit separator operational at the headworks?	N/A
Is the bar screen cleaned on a routine basis?	Yes
Is the mechanical bar screen functioning as intended?	N/A
Are screenings and grit being collected from the headworks in suitable containers?	Yes
Rags, grit and/or screening are being disposed of properly.	Yes
Are screenings and grit from the headworks being disposed at a Class I Landfill?	Yes
Are records of the disposal of the screenings and grit collected at the headworks available?	N/A
The leachate from the screening dumpster(s) is piped to the headworks and not onto the ground.	N/A
Is the clarifier free from solids discharging over the weir(s)?	Yes
Is the clarifier free from excessive sand and/or grit accumulation?	Yes
Is the clarifier free from excessive scum, algae and/or trash overflowing the weir?	Yes
Does the skimmer appear to be functional in the clarifier?	Yes
Is the sludge collector and pump functional in the clarifier?	Yes
Are the clarifier weir(s) level?	Yes
Is the clarifier free from short circuiting with loss over the weir?	Yes
Are the aeration basins diffusers free from clogs and providing adequate mixing?	Yes
Was the time clock or manual controls for the aeration system operational at the time of the inspection?	Yes

Is the RAS line properly located?	Yes
The RAS line was free from excessive splashing that could cause solids to be discharged outside the tank.	Yes
The mixed liquor (MLSS) in the oxidation ditch was appropriately colored with no black coloring.	N/A
Is even distribution of air observed in the aeration basin?	Yes
Are the air line(s) to the aeration basin(s) free from leaks?	Yes
The brushes and paddles in the oxidation ditch were all in good working order.	N/A
Is the velocity in the oxidation ditch sufficient to prevent settling of solids?	N/A
Are dual blower motors present as required by rule?	Yes
Are the blower motors equipped with belt guards?	Yes
The blower motors are free from excessive noise.	Yes
Are all the blower motors present and operational at the time of the inspection?	Yes
Are spare parts and a second standby blower motors stored onsite?	N/A
Is the electrical box wiring for the blower motors adequately protected?	Yes
Were the tank contents in the aerobic digester(s) well mixed?	Yes
Are the digester(s) free from excessive odors and/or foaming?	Yes
Is the digester at the appropriate operational capacity?	Yes
Are there two functioning pumps in the surge tank(s)?	Yes
What was the biomass color of the trickling filter at the time of the inspection?	Click or tap here to enter text. N/A
Is trickling filter media free from excessive ponding?	N/A
Are center columns and distribution arms of the trickling filter free from leaks?	N/A
Are the distribution arm orifices free from clogs, trash and/or scum resulting in uneven distribution of flow on the trickling filter media?	N/A
Is the RBC free from black biomass indicating solids and/or BOD loading?	N/A
Is the RBC free from white biomass indicating the presence of bacteria, which feed on sulfur compounds?	N/A
Is the RBC free from excessive grinding/whining noise(s) from the motor, drive shaft, and bearings?	N/A
Are all RBC rotating disks and/or paddles present and in good working?	N/A
Is the RBC unit drive shaft free from excessive vibration?	N/A
Are all the aerators in the lagoon operational at the time of the inspection?	N/A
Is the base of the lagoon free from lateral seepage at the time of the inspection?	N/A
Does the treatment lagoon have adequate freeboard space?	N/A
Is the treatment lagoon properly secured to prevent unauthorized access?	N/A
Is the treatment lagoon free from excessive foaming?	N/A
Are the treatment lagoon berms properly stabilized?	N/A
Is the Chlorine Contact Chamber (CCC) effluent clear and free from scum, solids accumulation and debris?	Yes
Are the baffles in the CCC functioning as intended?	Yes
Does the chlorine injection point provide optimal mixing to occur in the CCC?	Yes
Is the CCC chlorine pump operational, providing adequate chlorine supply for disinfection and at the permitted location?	Yes
Is the chlorine storage area protected from the elements?	Yes
Is the alarm indicator for the chlorine system operational?	N/A
Is the chlorine supply covered in frost indicating an issue with the system?	N/A
Is the fan inside the chlorine room operational?	N/A
Are the chlorine scales operational?	N/A
Is an operational Self-Contained Breathing Apparatus (SCBA) available for the chlorine room?	N/A

Are the chlorine gas cylinders properly secured?	N/A
Is a fresh supply of ammonia available to test for leaks in the gas chlorination system?	N/A
Do the UV ballast control boxes have adequate ventilation?	N/A
Does the plant staff have access to UV protective eyeglasses?	N/A
Is the facility maintaining adequate records of UV lamp operating hours?	N/A
Are the UV lamps and ballast being cleaned in accordance with the manufacturer's recommendation?	N/A
Does the facility have an adequate inventory of spare parts for the UV system?	N/A
Is the facility conducting routine performance checks on the UV system?	N/A
Is the UV intensity monitoring equipment operational?	N/A
Is the stilling well free from a thick layer of sludge and/or trash?	Yes
Is the chlorine contact chamber providing a minimum contact time of 15 minutes?	Yes
Chlorine and SO2 cylinders marked with empty/full tags?	N/A
Is the automatic SO2 feed operational within de-chlorination process?	N/A
Is the SO2 system free from frost within de-chlorination process?	N/A
Are the bisulfite (SO2) gas cylinders properly secured for de-chlorination?	N/A
Was there adequate ventilation in the SO2 room?	N/A
Is the filter media free from solids that could cause plugging and/or overflow?	N/A
Is the land application system being maintained?	Yes
If an injection well was plugged or abandoned, was it completed appropriately with DEP approval?	N/A
If a well was constructed, was it permitted prior to beginning construction and constructed as required by permit?	N/A
Is the injection well Operation and Maintenance done satisfactorily?	N/A
Is there adequate access to all monitoring locations?	Yes
Is the exterior of the tanks, wall, and/or pipes of the facility free from leaks?	No
Are the facility grounds clean and well maintained?	Yes
Is the required signage adequate?	Yes
The facility was free from odors emanating from the facility.	Yes
The facility was free from excessive noise which could be heard beyond the boundaries of the facility.	Yes
Is the facility providing safety measures at all times including adequate lighting?	Yes
The facility is disposing of sludge appropriately, with no sludge being disposed of on the facility grounds.	Yes
Was an alternative power source available at the facility?	N/A
Is the onsite generator tested under load on a monthly basis?	N/A
Are records available for the testing of the generator?	N/A
Is the area around the lift station(s) maintained?	Yes
Are there warning signs with emergency contact information on and/or around the lift station(s)?	N/A
Does the facility have a fence around their lift station(s)?	N/A
Is the gate around the lift station and the cover to the lift station locked?	N/A
Is the cover to the lift station(s) free from safety hazards?	Yes
Are there two functioning pumps that alternate?	Yes
Is the electrical panel in good working order and free from needed repair and/or replacement?	Yes
Was the collection system or lift station free from offsite objectionable odors?	Yes
The lift station visual and audio alarm operating satisfactory?	Yes
Are the potable water supply lines and the facility free from cross connections?	Yes
Is an RPZ in place and free of leaks on all potable water supply lines?	Yes
Is there a record of testing available on the RPZ?	Yes

Is the facility free from any Facility Site Review violation not listed above that needs to be addressed?		Yes
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a "*" Questions with "No" responses indicate deficiencies Questions with "N/A" responses do not apply to the facility 		
Deficiencies & Corrective Actions:		
Is the exterior of the tanks, wall, and/or pipes of the facility free from leaks?[62-600.410 F.A.C., 62-620.300 (5) F.A.C., 62-620.610(7) F.A.C.]	Deficiency: (Narrative) At the time of inspection, the chlorine contact chamber was weeping.	
	Corrective Action(s): (Narrative) Repair the leak and provide photos to the department by email	
Observations:		
<p>At the time of inspection the facility is fenced, locked, and advisory signs are present. The facility has 6 operational lift stations throughout the community, with 2 pumps per station. Influent enters through a manual barscreen into the surge tank. Screening are cleaned at each site visit and disposed of in a covered screening container. There are 2 operational pumps in the surge tank with a splitter box diverting flow to one of two aeration basins. The aeration basins appeared to have adequate mixing. There are 2 operational blowers that run the aeration basins housed. There is one clarifier present with some ashing on top. The skimmer was working, and the stilling well was clean. No pop ups were observed. The weirs were level and effluent leaving the weir was clear. There is one chlorine contact chamber with baffles present. One sodium hypochlorite pump was present and operational. Effluent leaving the chlorine contact chamber was clear. There is one digester present that was recently hauled. Storage was available and no odors or vectors were detected.</p>		

Flow Measurement

Compliance Rating	Out of Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
Is there easy access to flow meter?	Yes			
Is the flow meter in the correct location?	Yes			
Is the flow measuring device installed properly?	Yes			
Is the flow meter calibrated at least annually and is it current?	No			
When was the flow meter last calibrated?	2020 Yes			
Is the flow measurement device operating within +/- 10% of the actual flow?	N/A			
Is the flow meter operating properly at the time of the inspection?	Yes			
The chart recorder and/or totalizer for the flow meter was operational at the time of the inspection.	N/A			
The elapsed time meters on the lift station pumps were functioning.	N/A			
The flow entering the convergence section of the Parshall Flume was free of excessive turbulence.	N/A			
Is the facility free from any Flow Measurement violation not listed above that needs to be addressed?	Yes			
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a "*" Questions with "No" responses indicate deficiencies Questions with "N/A" responses do not apply to the facility 				
Deficiencies & Corrective Actions:				
	Deficiency: (Narrative)			

Is the flow meter calibrated at least annually and is it current?[62-600.200(25) F.A.C.]	The flow meter calibration was past due. Corrective Action(s): (Narrative) A copy of the flow calibration was provided on 12/15/2021 by Reuben Law.
Observations:	
See deficiency above.	

Operations and Maintenance

Compliance Rating	In Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
Does the facility have adequate plant staffing?	Yes			
Is a certified operator operating the wastewater treatment facility with the appropriate license level for the size of the plant?	Yes			
Is the operator performing treatment plant operation and maintenance duties in a responsible and professional manner?	Yes			
Is the plant O&M log maintained in a hard-bound book with consecutive page numbering, or another approved format?	N/A			
Does the facility have an O&M manual, and does the facility's O&M manual reflect the current configuration of the facility?	N/A			
*Is the facility operated in accordance with the O & M Manual? (If there is a high potential for water quality or health impacts meets SNC criteria)	N/A			
Is the facility maintaining a log that documents routine equipment maintenance?	Yes			
Is the plant free of any treatment components that are in disrepair that would provide for unsafe operation?	Yes			
Is the facility without an inflow and infiltration problem which would cause collection system and/or operational issues?	Yes			
*Does the facility replace malfunctioning equipment, which can result in a high potential for water supply quality or health impacts?	Yes			
Dike berms appeared to be in satisfactory condition.	N/A			
Hand rails/catwalks/ladders were in good working order providing for safe conditions.	Yes			
The liner(s) in the containment pond(s) appeared to be functioning as intended.	N/A			
The plant operator is fulfilling the minimum site requirements as required by the Permit.	Yes			
Preventative maintenance is being performed in the accordance with the manufacturer's recommendations.	N/A			
The facility maintains an adequate spare parts inventory.	N/A			
Swales were being maintained.	N/A			
Is the facility free from any Operations and Maintenance violation not listed above that needs to be addressed?	Yes			
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a "*" Questions with "No" responses indicate deficiencies Questions with "N/A" responses do not apply to the facility 				
Observations:				

The O&M manual could not be evaluated since it was not on site at the time of inspection. See deficiency under records and reports section.

Effluent Quality

Compliance Rating	Out of Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
DMR review period:	09/01/2020-09/30/2021 Yes			
A review of the Discharge Monitoring Reports revealed the following effluent exceedance(s).	TSS and TN Yes			
*Did the effluent limits exceed the Technical Review Criteria less than two times in six months?	Yes			
*Are the effluent limits without exceedances four out of six months (chronic criteria)?	Yes			
*Did the total residual chlorine levels meet disinfection limits? (If below required minimum 10% or more of the time in a rolling 6 month period, meets SNC criteria)	Yes			
Was the facility free of a discharge of wastewater that resulted in a fish kill?	Yes			
*Is persistent acute toxicity documented through follow-up tests?	N/A			
*Is persistent chronic toxicity documented through follow-up tests?	N/A			
*Is persistent acute or chronic toxicity documented in the effluent through the use of routine and follow-up tests?	N/A			
Does the facility meet the permit or enforcement narrative effluent limitation(s)? (Non-DMR visible sheen defined as iridescence present so as to cause taste or odor, or otherwise interfere with the beneficial use of the receiving water)	No			
Is the effluent free from excessive (suspended solids, foam, grease, scum) in the discharge stream?	Yes			
*Was the facility free from any other violation with a high potential for water quality or health impacts?	Yes			
Is the facility free from any Effluent Quality violation not listed above that needs to be addressed?	Yes			
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a “*” Questions with “No” responses indicate deficiencies Questions with “N/A” responses do not apply to the facility 				
Deficiencies & Corrective Actions:				
The facility violated a permit or enforcement narrative effluent limit. [403.161(1)(b) F.S., 62-600.420 F.A.C, 62-600.440 F.A.C, 62-600.445 F.A.C, 62-600.510 F.A.C., 62-600.520 F.A.C. , XNEV]	Deficiency: (Narrative) The facility is not meeting the Total Nitrogen interim limits of Consent Order 21-0360. See the attached Exhibit A for the tables of exceedances.			
	Corrective Action(s): (Narrative) The facility continues to not demonstrate the ability to meet the final permit limits. The interim limits of the Consent Order (21-0360) executed on 5/11/2021 will be revised in an amendment to the CO.			
Observations:				

The facility is in compliance with the interim TSS limits of Consent Order 21-0360 however they are not in compliance with the final permit limits of permit (FLA010722-007-DW3P) for TSS annual average.

Effluent Disposal

Compliance Rating	In Compliance
Does this section apply to the facility?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Questions	
Are discharge location(s) as per permit?	Yes
What type of reuse is the facility approved for?	Click or tap here to enter text. N/A
Has a cross connection control program been implemented within the areas where reclaimed water is provided for use (Part III, VII)?	N/A
Is all reclaimed water piping and equipment color-coded Pantone purple (522C)?	N/A
Hose bibbs met access restrictions and other requirements.	N/A
Reclaimed water valves and outlets were appropriately tagged and /or labeled.	N/A
Are advisory signs posted in English and Spanish in areas where non-potable Public Access Reuse water is being applied (Part III, VII)?	N/A
Is the reclaimed water retained on the application site?	N/A
No significant ponding was observed on the reclaimed water application site.	N/A
There was no aerosol mist leaving the boundaries of the land application?	N/A
There was no evidence of solids loss in the treatment process or from the plant?	Yes
The RIBs and/or percolation ponds were free from excessive vegetation and sludge?	Yes
The percolation ponds were free from accumulated sludge.	N/A
Does the percolation ponds have at least 3 ft of freeboard?	Yes
The absorption field was free from excessive vegetation.	N/A
Do the reclaimed water storage ponds have adequate freeboard?	Yes
Are RIBs well maintained and free from excessive vegetation?	Yes
There was no evidence of a bypass or failure at the effluent storage and/or disposal site(s)?	Yes
Are all effluent disposal areas such as RIBs, ponds, and sprayfields being loaded and rested per permit conditions?	Yes
The disposal pond berms were free from excessive growth or vegetation.	Yes
There was no evidence of a bypass or failure from the storage ponds observed during the inspection.	Yes
No unauthorized discharge to waters of the state was observed during the inspection.	Yes
Are the sprinklers functioning as intended for the absorption field(s) or sprayfield(s)?	N/A
The facility is meeting the minimum setback distances.	Yes
Does the facility maintain a supply of spare parts for the absorption field(s) or sprayfield(s)?	N/A
The effluent disposal and/or storage area was free from sinkholes.	Yes
Are the sprayfields free from grazing dairy cattle?	N/A
The sprayfield was free from ponding.	N/A
The sprayfield was free from excessive vegetation.	N/A
Edible food crops were being properly irrigated with reclaimed water.	N/A
What cover crop and/or vegetation is planted on the reclaimed water area(s)?	Click or tap here to enter text. N/A

*The disposal system was being operated as designed with a low potential for water quality or health impacts.	Yes
*There was no unauthorized operation or modification of the disposal system.	Yes
Fencing around the effluent disposal site for access control was complete and in good repair.	Yes
There were no dead animals observed in the discharge stream.	Yes
Is the facility free from any Effluent Disposal violation not listed above that needs to be addressed?	Yes
<ul style="list-style-type: none"> • <i>Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a “*”</i> • <i>Questions with “No” responses indicate deficiencies</i> • <i>Questions with “N/A” responses do not apply to the facility</i> 	
Observations:	
The facility is currently bypassing the holding pond with department authorization to clean out the holding pond of vegetation and buildup of solids. This removal is also ordered in Consent Order 21-0360. The facility has 2 RIBs near the water plant. Access is controlled and vegetation is maintained. RIBs are loaded with sprayheads, sprayheads are popped off on one RIB for loading of the pond with the bypass. There is sufficient freeboard in each RIB.	

Biosolids

Compliance Rating	In Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
Does the facility's method of biosolids use or disposal match what is allowed in the facility permit (i.e., landfill, land application, distribution and marketing, transfer to another facility, biofuel/bioenergy)?	N/A			
Does the permittee keep records of biosolids quantities for five years, as applicable (quantities generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled)?	Yes			
Are biosolids quantities reported on the facility RMP-Q DMR?	Yes			
Are the biosolids quantities reported on the RMP - Q DMRs correct and accurate?	Yes			
The facility's treatment, management, transportation, use, land application, or disposal of biosolids does not result in objectionable odors, i.e., does not result in a violation of the odor prohibition in subsection 62-296.320(2)	N/A			
If there is an objectionable odor, please describe the odors characteristics, frequency, duration, and migration, etc.	Click or tap here to enter text. N/A			
Is the storage of biosolids or other solids at this facility in accordance with the Facility Biosolids Storage Plan?	N/A			
Does the treatment facility ensure no biosolids are spilled from or tracked off the treatment facility property by the hauling vehicle?	N/A			
The biosolids for this facility are classified as _____: (AA, A, and/or B)	Click or tap here to enter text. N/A			
Does the class of biosolids produced for beneficial use match the authorized class in the facility permit (Class AA, A, or B)?	N/A			
Does the facility use the biosolids pathogen reduction alternative option identified in the permit?	N/A			
Are all the operational and process parameters monitored to demonstrate compliance for pathogen reduction?	N/A			
Do the biosolids meet the treatment requirements for pathogen reduction option used?	N/A			
Does the facility use the biosolids vector attraction reduction option identified in the permit?	N/A			

Are all the operational and process parameters monitored to demonstrate compliance for vector attraction reduction?	N/A
Do the biosolids satisfactorily meet the treatment requirements for vector attraction reduction?	N/A
If the Specific Oxygen Uptake Rate (SOUR) test is used for vector attraction reduction, is it conducted within 15 minutes of sample collection by a certified laboratory or under the direction of an operator certified in accordance with Chapter 62-602, F.A.C?	N/A
Does treatment of biosolids or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements take place at the permitted facility (e.g., not in the tank of a hauling vehicle)?	N/A
Are the biosolids monitored at the frequency required by the permit?	N/A
Are the biosolids monitoring results reported on the facility DMR (RMP-AA, RMP-A, or RMP-B)?	N/A
Are the biosolids monitored for all the required parameters for the class of biosolids?	N/A
Do the Class AA, A, or B biosolids comply with the ceiling pollutant limits?	N/A
Are the correct analysis methods used for biosolids?	N/A
Is a certified laboratory used for the analysis of the biosolids?	N/A
Are all biosolids samples representative and taken after final treatment of the biosolids but before land application or distribution and marketing, unless otherwise approved?	N/A
Are all biosolids samples taken at the location specified in the facility permit?	N/A
Are the correct sample types properly taken for the type of biosolids (POTW Sludge Sampling Manual)?	N/A
Are the Class AA biosolids monitored monthly?	N/A
Do the Class AA biosolids meet the Class AA parameter limits?	N/A
Are Class AA biosolids that are stored for more than 45 days re-sampled for fecal coliform or Salmonella sp. at the frequency specified in the permit, if required?	N/A
For distribution and marketing, does the facility have a fertilizer license, sell or given-away to someone with a fertilizer license, or is enrolled in the US Composting Council's Seal to Testing Assurance program (USCC STA program does not apply in the Lake Okeechobee, St. Lucie River, and Caloosahatchee River watersheds)?	N/A
If the facility discovered that distributed and marketed biosolids did not meet Class AA standards, did the facility notify, within 24 hours, the Department and all persons to whom they delivered or distributed and marketed the Class AA biosolids?	N/A
Does the facility make available to users by product labels or other means the following information - fertilizer label or equivalent information; name and address of the facility; statement that the biosolids meet subsection 62-640.700(5), F.A.C.; recommend application rates; and, recommendations for storage (including the more than one dry ton/seven-day provision)?	N/A
Are all the sites where biosolids are land applied listed on the Treatment Facility Biosolids Plan form (DEP Form 62-640.219(2)(a))?	N/A
If a permitted site not listed in the Treatment Facility Biosolids Plan was used, did the permittee notify DEP at least 24 hours prior to land application at the site and submit a revised form within 30 days after using the site?	N/A
Did the facility only used permitted sites - i.e., no unpermitted sites were used for land application (i.e., the site did not have a valid DEP permit)?	N/A
Does the permittee maintain hauling records for shipments to land application sites and do they contain the required information?	N/A
Does the permittee provide a copy of the hauling records to the biosolids site manager, were records free of any discrepancies regarding the quantities delivered, and any discrepancies were reported to DEP within 24 hours of discovery?	N/A
Did all biosolids sent to sites meet pathogen reduction, vector attraction reduction, and pollutant limits?	N/A

If biosolids not meeting standards were sent to a site, did the permittee notify DEP, the site manager, the site permittee within 24 hours of discovery?	N/A
Does the permittee maintain copies for each site used of the Biosolids Application Site Annual Summary forms received from the site permittees indefinitely?	N/A
Has the permittee submitted Treatment Facility Biosolids Annual Summary reports to DEP by February 19 each year?	N/A
Was the information in the Treatment Facility Biosolids Annual Summary accurate?	N/A
Is any incineration or use of biosolids as a biofuel or for bioenergy in accordance with DEP's air regulations and RCRA?	N/A
Does the permittee keep the required hauling records to track transport of biosolids between facilities?	N/A
If the facility receives biosolids from a source facility, did the permittee report any discrepancies in the quantities of biosolids to DEP within 24 hours of discovery?	N/A
If the facility is a source facility and sends biosolids to another facility, does the permittee provide a copy of their hauling records for each shipment to the receiving facility?	N/A
If the facility receives biosolids from a source facility, does the receiving facility permit allow receipt of biosolids from other facilities?	N/A
Does the facility have copies of the required written agreement(s) between the receiving and source facility?	N/A
Did the permittee (source or receiving facility) submit all new written agreements to DEP within 30 days before transporting biosolids (unless approval given otherwise)?	N/A
Is operator staffing requirements met?	N/A
Are the biosolids receiving and handling operations satisfactory?	N/A
Are grit and screenings, etc., from the headworks properly disposed of in a landfill?	N/A
Is the facility free from any Biosolids violation not listed above that needs to be addressed?	Yes
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a "*" Questions with "No" responses indicate deficiencies Questions with "N/A" responses do not apply to the facility 	
Observations:	
14, 200 gallons of biosolids were last hauled by American Pipe and Tank on 11/8/21.	

Groundwater

Compliance Rating	Out of Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
DMRs review period	09/01/2020-09/30/2021 Yes			
Are the groundwater monitoring results sent to the Department on Discharge Monitoring Report, Form 62-620.910(10), F.A.C. and submitted by the DMR due date?	Yes			
After a review of the Discharge Monitoring Reports, are the compliance well parameters meeting the groundwater standards in the time period reviewed (12 months or greater)?	Yes			
A review of the Discharge Monitoring Reports revealed the following effluent exceedance(s).	pH 06/2021 No			

Do the facilities purging logs on DEP Form FD 9000-24 indicate that purging was done properly; including sufficient volume, purge rate, depth to water, and stability criteria (pH, Temperature, Conductivity, Dissolved Oxygen, Turbidity)?	Yes
Is the groundwater monitoring report complete and accurate, including analysis method, laboratory method detection limits, static water level, purging logs, sample collection procedures and treatment?	Yes
Do the groundwater monitoring wells meet DEP requirements including; tamper-proof locks, unique well label(s), concrete well pad with protective bumpers not containing numerous cracks, and is free of clutter for sampling purposes?	Yes
If or when new well construction was completed did the facility plug and properly abandoned the existing well and submit Monitoring well completion Report, Form 62-520.900(3) to DEP within 60 days?	N/A
If a monitoring well became damaged or inoperable was maintenance conducted and notification sent to DEP within 2 days of discovery?	N/A
Is the well(s) that the facility is sampling at part of the approved groundwater monitoring plan?	Yes
Are the monitoring wells operable to the extent that sampling is possible?	Yes
Are groundwater samples being collected and analyzed as required by the permit or enforcement action; including location, well type, sample type (grab/composite), time, and frequency?	Yes
If sampling was observed were the sample collection activities being performed in accordance with DEP SOP FS 2200?	N/A
If sampling was observed was equipment in satisfactory condition?	N/A
If sampling was not observed is the description of sample collection activities being performed in accordance with DEP SOP FS 2200?	Yes
Is the facility free from any Groundwater violation not listed above that needs to be addressed?	No
<ul style="list-style-type: none"> • <i>Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a “*”</i> • <i>Questions with “No” responses indicate deficiencies</i> • <i>Questions with “N/A” responses do not apply to the facility</i> 	
Deficiencies & Corrective Actions:	
A review of the Discharge Monitoring Reports revealed the following effluent exceedance(s).	Deficiency: (Narrative) The pH was exceeded on MWC-2 and MWC-3 for the month of 06/2021.
	Corrective Action(s): (Narrative) The pH was 4.68 and 4.88, outside of the range of 6-8.5 currently the pH exceedance appears to be isolated. The pH of the well is not historically low. No further action is required at this time. Rule 62-620.610(18)(a), F.A.C. - 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.
Is the facility free from any Groundwater violation not listed above that needs to be addressed?[See Deficiency Narrative for Specific Rule Violated]	Deficiency: (Narrative) During the QA review of the groundwater monitoring reports conducted on 11/17/2021 it was found the Lab reported the nitrate as .50u (undetected) but Nitrate was reported incorrectly as .50 mg/L.
	Corrective Action(s): (Narrative) Lab results reported as undetected should be reported as < lab MDL. This was reviewed with the operator. No further action is required at this time. Rule 62-620.610(18)(a), F.A.C. - 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.

Observations:
See deficiencies above.

SSO Survey

Compliance Rating	In Compliance			
Does this section apply to the facility?	<input checked="" type="radio"/>	Yes	<input type="radio"/>	No
Questions				
Does the facility have an Operation and Maintenance Manual for their collection system?	Yes			
How often is the Operation and Maintenance Manual updated?	As needed Yes			
Does the O&M manual reflect the current collection system configuration?	Yes			
Are procedures available for minimizing spills in either the Operation and Maintenance Manual or in a separate document?	Yes			
Does the facility have a Sewer Overflow Response Plan/procedures for minimizing spills?	Yes			
Did the facility collect and/or analyze bacteriological samples as outlined in their SORP?	N/A			
Does the facility have a map of its collection system?	N/A			
Are the SORP and collection system maps immediately available to SSO response staff, including during power failures?	Yes			
Did the facility collect and/or analyze bacteriological samples for sewage spills that reached surface waters?	N/A			
Does the facility perform routine preventative maintenance to keep the collection/transmission system in good working order?	Yes			
Does the facility maintain a ready-to-use supply of equipment, tools and materials for responding to SSOs?	N/A			
How many lift stations have permanent emergency back-up power generators?	none N/A			
In the last 12 months, was the facility free from sewage spills or abnormal event from any part of a collection/transmission system or treatment plant that discharged to the ground or did not make it to surface waters, i.e., stormwater collection system, drainage ditch, stream, pond, or lake?	Yes			
Does the facility report the spill(s) to the Department within 24 hours of discovery?	Yes			
Does the facility follow up on spills?	Yes			
Does the facility keep routine documentation and reporting records of spills, and/or operation and maintenance activities on the collection/transmission system(s)?	Yes			
In the last 12 months, was the facility free from sewage spills or abnormal events from any components of a collection/transmission system or from a treatment plant that reached surface waters including stormwater conveyance system or drainage ditch?	Yes			
Is the facility free from any SSO violation not listed above that needs to be addressed?	Yes			
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a "*" Questions with "No" responses indicate deficiencies Questions with "N/A" responses do not apply to the facility 				
Observations:				
No other observations are noted.				

Other

Compliance Rating	Not Applicable			
Does this section apply to the facility?	<input type="radio"/>	Yes	<input checked="" type="radio"/>	No
Questions				
*Is the facility free from any violation not listed above, or pattern of noncompliance, resulting in a high potential for water quality or health impacts <i>(Any violations considered significant by the Secretary, Deputy Secretary, Director of District Management, or the Division Director meet SNC criteria)</i>				N/A
Please describe any potential Non-wastewater violations (i.e. hazardous waste, stormwater, SLERP, Air and Storage Tanks) that were referred.				Click or tap here to enter text. N/A
<ul style="list-style-type: none"> Significant Non-Compliance Criteria per Program Guidance Memo OWM-00-01 Should be Reviewed when Checklist Items Deficiencies are Noted and Marked by a “*” Questions with “No” responses indicate deficiencies Questions with “N/A” responses do not apply to the facility 				
Observations:				
Not applicable.				

Deficiencies Summary

Evaluation Area: Permit	
<p>The permittee failed to submit an application to renew the existing permit at least 180 days prior to expiration. [62 620.335(1) F.A.C., 62-620.410(5) F.A.C., PFSA]</p>	<p>Deficiency: (Narrative) The permit renewal application was due by October 11, 2021 and has not been submitted.</p> <p>Corrective Action(s): (Narrative) Submit the permit application by December 31, 2021.</p>
Evaluation Area: Sampling	
<p>In facility log books or other documentation are the daily records appropriately recorded including; composite sampler or other temperatures, and daily calibration of meters. [62-160.210(1) F.A.C., 62-160.800(1)(a) F.A.C., DEP SOP FD 1000-6000]</p>	<p>Deficiency: (Narrative) The following items were noted during the QA review performed on 12/8/21 for Field Sheets, Chain of Custody (COC), and Sampling Calibration/Verification Records:</p> <ul style="list-style-type: none"> - time is not documented for calibrations - units are not documented for standards - acceptance criteria is not documented for pH and TRC - no indication if verification or calibration passed - no notes section documenting maintenance or corrective actions - pH is not bracketed. pH readings are above 7 s.u. and a buffer of 10 s.u. should be used to bracket the data and ensure meter accuracy. - matrix (GW, WW, etc.) is not indicated on the COC - sample kits are provided and there is no sample kit ID or lot numbers of preservatives documented on the COC.

	<p>Corrective Action(s): (Narrative)</p> <p>An example calibration/verification field sheet was provided to the operating company on 12/9/21 along with a list of the findings to update the calibration records. No further action will be required at this time.</p>
<p>Are meters calibrated and sample analysis conducted at the facility done in accordance with DEP SOP and NELAC guidelines? (calibration frequency and sample bracketing for pH, total residual chlorine (TRC), turbidity, DO)</p> <p>[62-160.210(1) F.A.C., 62-160.800(1)(a) F.A.C., DEP SOP FT 1000]</p>	<p>Deficiency: (Narrative)</p> <p>pH bracketing is not complete as required by DEP SOP FT 1100.</p>
	<p>Corrective Action(s): (Narrative)</p> <p>Include the use of a buffer of 10 s.u. to bracket the pH readings from 4 s.u. to 10. s.u..</p>

Evaluation Area: Records and Reports

<p>Was copy of the current O&M manual available at the time of the inspection?</p> <p>[62-600.720 F.A.C., 62-620.350 F.A.C.]</p>	<p>Deficiency: (Narrative)</p> <p>At the time of inspection, a copy of the Operation and Maintenance Manual was not on site.</p>
	<p>Corrective Action(s): (Narrative)</p> <p>Please provide a copy of the operation and maintenance manual to the department by email.</p>

Evaluation Area: Facility Site Review

<p>Is the exterior of the tanks, wall, and/or pipes of the facility free from leaks?</p> <p>[62-600.410 F.A.C., 62-620.300 (5) F.A.C., 62-620.610(7) F.A.C.]</p>	<p>Deficiency: (Narrative)</p> <p>At the time of inspection, the chlorine contact chamber was weeping.</p>
	<p>Corrective Action(s): (Narrative)</p> <p>Repair the leak and provide photos to the department by email</p>

Evaluation Area: Flow Measurement

<p>Is the flow meter calibrated at least annually and is it current?</p> <p>[62-600.200(25) F.A.C.]</p>	<p>Deficiency: (Narrative)</p> <p>The flow meter calibration was past due.</p>
	<p>Corrective Action(s): (Narrative)</p> <p>A copy of the flow calibration was provided on 12/15/2021 by Reuben Law.</p>

Evaluation Area: Effluent Quality

<p>The facility violated a permit or enforcement narrative effluent limit.</p> <p>[403.161(1)(b) F.S., 62-600.420 F.A.C, 62-600.440 F.A.C, 62-</p>	<p>Deficiency: (Narrative)</p> <p>The facility is not meeting the Total Nitrogen interim limits of Consent Order 21-0360. See the attached Exhibit A for the tables of exceedances.</p>
	<p>Corrective Action(s): (Narrative)</p> <p>The facility continues to not demonstrate the ability to meet the final permit limits. The interim limits of the Consent Order (21-0360) executed on 5/11/2021 will be revised in an amendment to the CO.</p>

600.445 F.A.C, 62-600.510 F.A.C., 62-600.520 F.A.C. , XNEV]	
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Evaluation Area: Groundwater

A review of the Discharge Monitoring Reports revealed the following effluent exceedance(s).	Deficiency: (Narrative) The pH was exceeded on MWC-2 and MWC-3 for the month of 06/2021.
	Corrective Action(s): (Narrative) The pH was 4.68 and 4.88, outside of the range of 6-8.5 currently the pH exceedance appears to be isolated. The pH of the well is not historically low. No further action is required at this time.
	Rule 62-620.610(18)(a), F.A.C. - 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.
Is the facility free from any Groundwater violation not listed above that needs to be addressed? [See Defficiency Narritive for Specific Rule Violated]	Deficiency: (Narrative) During the QA review of the groundwater monitoring reports conducted on 11/17/2021 it was found the Lab reported the nitrate as .50u (undetected) but Nitrate was reported incorrectly as .50 mg/L.
	Corrective Action(s): (Narrative) Lab results reported as undetected should be reported as < lab MDL. This was reviewed with the operator. No further action is required at this time.
	Rule 62-620.610(18)(a), F.A.C. - 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.



EXHIBIT A

Table of Exceedances for Total Nitrogen in reference to Consent Order 21-0360.

Hall, Carolyn X

Date	Parameter	Monitoring Location	Result	Interim Limit until October 31, 2022	Permit Limit
09/2021	Total Nitrogen Annual Avg	EFA-1	6.39 mg/L	6.0 mg/L	3.0 mg/L
08/2021	Total Nitrogen Annual Avg	EFA-1	6.3 mg/L	6.0 mg/L	3.0 mg/L
07/2021	Total Nitrogen Annual Avg	EFA-1	9.35 mg/L	6.0 mg/L	3.0 mg/L
06/2021	Total Nitrogen Annual Avg	EFA-1	12.4 mg/L	6.0 mg/L	3.0 mg/L

EXHIBIT L



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
C.F.A.T. H2O, Inc.
1552 SW 7th Rd
OCALA, FL 34471
charlie@altfo.com

Re: Compliance Assistance Offer
Landfair Subdivision
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,

A handwritten signature in black ink, appearing to read "Daniel Hall", is positioned above the typed name.

Daniel Hall, Environmental Manager
Central District
Florida Department of Environmental Protection

cc: Miranda Rothenberger, FDEP
Reuben Law, randkenvironmental@outlook.com

From: [Dnm Engineering assoc inc](#)
To: [DEP_CD](#)
Cc: [Hall, Carolyn X](#); [Smicherko, David](#); [Charlie DeMenzes](#); [Reuban Law](#); [LeGros, Charles](#)
Subject: Electronic Permit Submittal-DW-FLA010722-Landfair WWTF
Date: Thursday, December 30, 2021 4:44:49 PM
Attachments: [Engineer Signature File 12-30-2021.pdf](#)
[LF WWTF PR & SM Applications 12-30-2021.pdf](#)
[LF WWTF PER 12-30-2021.pdf](#)
[LF WWTF Engineering Plans 12-30-2021.pdf](#)

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Mr. LeGros,
Please find attached the applications and supporting documentation with regards to the Permit Renewal and proposed Substantial Modification to the Landfair WWTF (Facility I.D. No.: FLA010722) located in Ocala, Marion County, Florida.

Please note, the permittee will be the application fee online upon receipt of the Department's Notification of Application Received.

If you have any questions or require any additional information, please feel free to contact our office.

Thanks and have great day and a Happy New Year!
Sincerely,

Douglas A. VanDeursen, P.E.
DNM Engineering & Associates, Inc.
P.O. Box 42
Ocala, Florida 34478
Ph: 352-624-2068
Fax: 352-622-6643
Cell: 352-572-6347
Email: dnmengineering@embarqmail.com

**OPERATION PERMIT
RENEWAL
&
SUBSTANTIAL MODIFICATION
APPLICATION

FOR THE

LANDFAIR
WASTEWATER TREATMENT FACILITY**

**MIDPOINT OF N.W. 77TH LOOP
OCALA, MARION COUNTY, FLORIDA**

Permit Number:	FLA010722
Permit File Number:	FLA010722-007-DW3P
Expiration Date:	April 9, 2022

Prepared by:



**P.O. Box 42
Ocala, Florida 34478**

DECEMBER 2021



WASTEWATER FACILITY OR ACTIVITY PERMIT APPLICATION FORM 1 GENERAL INFORMATION

I IDENTIFICATION NUMBER:

Facility ID FLA010722

II CHARACTERISTICS:

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?	X		X
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?		X	
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?		X	
D. Does or will this facility (other than those described in A. or B.) discharge process wastewater to ground waters?		X	
E. Does or will this facility discharge non-process wastewater, not regulated by effluent guidelines or new source performance standards, to surface waters?		X	
F. Does or will this facility discharge non-process wastewater to ground waters?		X	
G. Does or will this facility discharge stormwater associated with industrial activity to surface waters?		X	
H. Is this facility a non-discharging/closed loop recycle system?		X	
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?		X	

III NAME OF FACILITY: (40 characters and spaces)

Landfair WWTF

Facility ID FLA010722**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 5220		
B. City or Town: Ocala	State: FL	Zip Code: 34478-5220

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: Intersection of N.E. 28th Place & N.E. 23rd Court		
B. County Name: Marion	C. County Code (if known): 42	
D. City or Town: Ocala	E. State: FL	F. Zip Code:

VII SIC CODES: (4-digit, in order of priority)

1. Code #: 4952	(Specify) Domestic Waste	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: Reuban Law, R&K Environmental, LLC		B. Is the name in VIII A. the owner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
C. Status of Operator: F = Federal; S = State; P = Private; O = Other; M = Public (other than F or S)	(code) P=Private	(specify) B-12483	D. Phone No.: (352) 661-8952
E. Street or P. O. Box: 4275 N.E. 137th Street			
F. City or Town: Anthony		G. State: FL	H. Zip Code: 32617

IX INDIAN LAND: Is the facility located on Indian lands?

☐ Yes

☒ No

Facility ID FLA010722

X EXISTING ENVIRONMENTAL PERMITS:

A. NPDES Permit No.	B. UIC Permit No.	C. Other (specify)	D. Other (specify)
		FLA010722	

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)

The wastewater treatment facility serves the Landfair Multi-Family Unit Subdivision (76 Duplexes & Community Center), Hilltop Manor Apartments (34 Apartment Units, Office, and Laundry Facilities), Hilltop Manor II Apartments (45 Apartments and Laundry Facilities), Penny Park Estates Mobile Home Park (MHP) (27 MH Lots), Villages of Ocala East MHP (105 MH Lots, Recreation Center, and Office), Villages of Ocala West MHP (65 MH lots), and a Marathon Convenience Store/Retail Gas Station located Ocala, Marion County, Florida.

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 DeMenzes

A. Name (type or print)

President

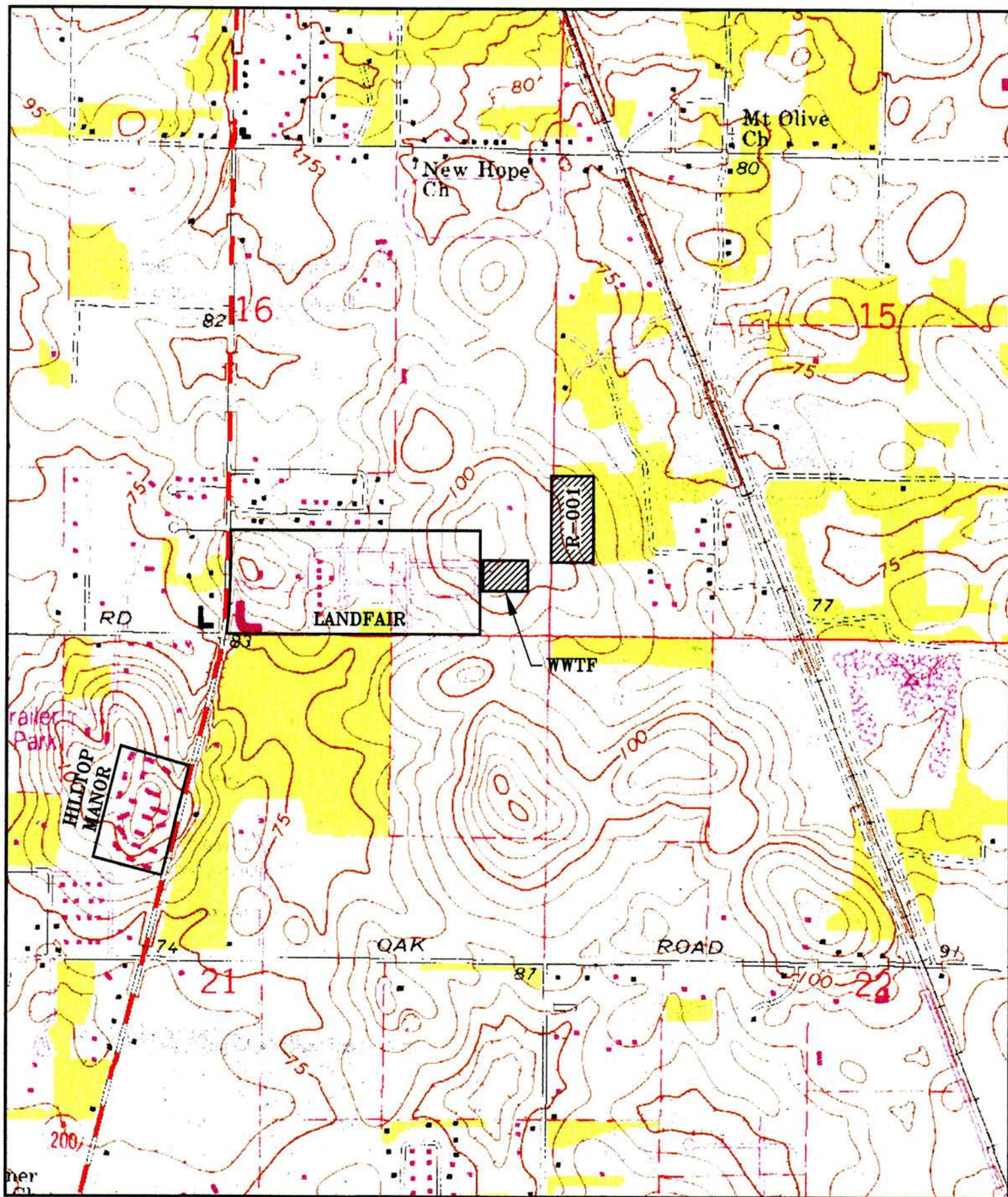
Official Title (type or print)


Charles deMenzes

B. Signature

12/28/2021

C. Date Signed



<p>  LANDFAIR WWTf FLA010722 USGS QUAD-OCALA EAST, FL NORTH 1"=1,000' </p>	<p> DNM ENGINEERING & ASSOCIATES, INC. <hr/> P.O. BOX 42 OCALA, FLORIDA 34478 FAX (352) 629-2988 (352) 624-2068 </p>
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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 Landfair WWTF

b. Facility Identification Number FLA010722

c. Location
Number and Street Midway along N.W. 77th Loop which intersects N.E. 22nd Terrace
City/State/Zip Code Ocala, Florida 33763
Telephone (352) 622-4949

Latitude 29 ° 16 ' 04.67 "N

Longitude 82 ° 06 ' 16.48 "W

Dates Coordinates Determined December 13, 2021

Method Used to Obtain Coordinates Google Earth

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, Florida 34478

g. Year Facility Began Operation	Unknown
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4. Applicant or Authorized Representative

Legal Name	CFAT H2O, Incl
Number and Street	P.O. Box 5220
City/State/Zip Code	Ocala, Florida 34478-5220
Telephone	(352) 622-4949
Contact Person	Charles DeMenzes
Title	President
Telephone Number	(352) 622-4949

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

The Landfair WWTF is a 0.099 MGD AADF Type III Extended Aeration Domestic Wastewater Treatment Facility with influent screening, flow equalization, aeration, secondary clarification, basic disinfection, and aerobic digestion of residuals. The treated reclaimed effluent is land applied to a dual cell rapid-rate infiltration basin with a total wetted bottom area of 100,188+/- sq. ft. (2.30+/- acres).

6. Municipalities or Areas Served

Name of Municipality or Area	Ownership	Population Served
Landfair WWTF	Private	Varies
Please refer to attached "Section 1(6) Attachment" for a		
description of the areas served.		
Total Population Served		Varies

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.)	1	0.099	AADF
Ground Water Disposal by Underground Injection (Rule 62-600.540, F.A.C.)			
Other (Describe)			
Total	1	0.099	AADF

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)?

If transport is by a party other than the applicant, provide the following:

Transporter name:

Mailing Address:

Contact person:

Title:

Telephone number:

- c. For each treatment facility that receives this discharge, provide the following:

Name:

Mailing Address:

Contact person:

Title:

Telephone number:

d. Facility Identification Number of Facility Which
Receives the Flow

e. Average Daily Flow Rate to the Receiving Facility

mgd

9. Residuals Use or Disposal

a. Amount of Residuals Generated by the Facility

6.16 (Assuming 2% solids)

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	1	6.16
Other (Describe)		
Total		6.16

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 d/b/a 412 Biosolids Processing Facility

Facility Identification Number

FLA356697-001-DW2S

Number and Street

4411 Southeast 53rd Avenue

City/State/Zip Code

Ocala, Florida 34480

County

Marion

Telephone

(352) 236-4281

Treatment Processes Used by Receiving Facility

Lime Stabilization & Land Application

10. Permits and Applications

a. Expiration Date of Current NPDES Permit _____

b. Expiration Date of Current DEP Permit April 9, 2022

c. Permit Number of Any Existing Environmental Permits

NPDES	_____	PSD	_____
UIC	_____	Other	_____
RCRA	_____	Other	_____

d. Orders and Notices

Type or Order or Notice	Issuing Agency	Date of Order or Notice
Notice or Violation		
Consent Order	DEP OGC File No.: 21-0360	May 11, 2021
Administrative Order	DEP AO-SS-16-019	August 24, 2016
Other (Describe.)		

SECTION 2. TREATMENT FACILITY DESCRIPTION

1. Flow

a. Design Capacity

Current Design Capacity	0.099	mgd
Proposed Incremental Design Capacity	+ 0.000	mgd
Proposed Total Design Capacity	= 0.099	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	0.020	0.0273	0.0532	mgd
d. Maximum Daily Flow Rate	0.049	0.085	0.145	mgd

2. Design Treatment Levels

Parameter	Effluent Concentration	Units	Basis	Percent Removal
pH	6.0 - 8.5	Standard Units		
CBOD ₅	20/30/45/60	mg/L	Ann./Mo./Wk/Single	90
TSS	20/30/45/60	mg/L	Ann./Mo./Wk/ingle	90
TRC (Disinfection)	0.5	mg/L	Minimum, Single	
Fecal Coliform	200/800/200	100 mL Sample	Ann./Single/Mo. Mean	
Nitrogen, Total	Report	mg/L	Maximum	
Nitrogen, Nitrate, Total	12	mg/L	Maximum, Single	
Phosphorus, Total	Report	mg/L	Maximum	

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

Residuals are stored on-site and agitated with air until transported and further treated at a permitted Residual Management Facility.

b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

N/A

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:

N/A

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 (Upon Completion of Expansion)
☒ Other Equivalent Reliability (Existing)

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

Longitude

Dates Coordinates Determined

Method Used to Obtain Coordinates

°	'	"N
°	'	"W

3. Design Capacity of the Outfall

Current Design Capacity

Proposed Incremental Design Capacity

Proposed Total Design Capacity

_____ mgd
+ _____ mgd
= _____ 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 CaCO₃

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
Duration
Volume
Occurrence

_____ Times Per Year
_____ Days
_____ Thousand Gallons Per Incident

	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:

$$P = [(N) / (365)] \times 100\%$$

P cannot exceed 25% or be less than 1%.

- d. Reclaimed Water Quality (maximum monthly average)

CBOD₅ _____ mg/L

TKN (as Nitrogen) _____ mg/L

- e. Minimum Acceptable Stream Dilution Factor (SDF) _____

Note:

$$SDF = P(0.085 \times CBOD_5 + 0.272 \times TKN - 0.484)$$

The values for CBOD₅ 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.

$$\text{Adjusted SDF} = SDF \times (24 \text{ hours}) / (\text{travel time in hours})$$

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?

☐ Treatment
☐ Receiving

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.

- 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-ETHYL VINYL 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-TETRACHLOROETHANE											
TETRACHLOROETHYLENE											
TOLUENE											
1,1,1-TRICHLOROETHANE											
1,1,2-TRICHLOROETHANE											
TRICHLOROETHYLENE											
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											
PENTACHLOROPHENOL											
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(GH)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-CHLOROPHENYL 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- DICHLOROBENZIDIN E											
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

R-001

Landfair WWTF

Rapid-Rate Infiltration Basins (2)

2. Reuse or Land Application System Location

County

Marion

City or Town (if applicable)

Ocala

Street or Description

Midpoint of N.W. 77th Loop

Ocala, Florida

Latitude

29 ° 16 ' 09.63 "N

Longitude

82 ° 06 ' 10.51 "W

Dates Coordinates Determined

December 13, 2021

Method Used to Obtain Coordinates

Google Earth

3. Design Capacity of the Reuse or Land Application System

Current Design Capacity

0.099 mgd

Proposed Incremental Design Capacity

+ 0.000 mgd

Proposed Total Design Capacity

= 0.099 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. Is land application continuous or intermittent?

☒ Continuous ☐ Intermittent

6. Underdrains and Perimeter Ditches

a. Is the reuse or land application system underdrained?

☒ Yes ☐ No

b. Are perimeter ditches used?

☐ Yes ☒ 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 ☐ No

7. Type of Reuse or Land Application System

- ☐ 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)
Landfair WWTF Rapid Rate Land Application System	2.3+/-	11.10	0.099
Total	2.3+/-	11.10	0.099

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 N/A

b. Other Uses of Reclaimed Water

- ☐ Toilet flushing
☐ Fire protection
☐ Construction dust control
☐ Aesthetic purposes (decorative ponds, fountains, etc.)
☐ Others

If other, specify. N/A

- c. How many hours per day, seven days per week, is or will an operator be on-site at the wastewater treatment facility?

 N/A 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
N/A	

- 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.)

N/A

SECTION 3. C. GROUND WATER DISPOSAL BY UNDERGROUND INJECTION

(Not Applicable)

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

Longitude

Dates Coordinates Determined

Method Used to Obtain Coordinates

°	'	"N
°	'	"W
<hr/>		
<hr/>		

3. Underground Injection Well Facility DEP Identification Number or Permit Application Number

4. Design Capacity of the Underground Injection Well Facility

Current Design Capacity

Proposed Incremental Design Capacity

Proposed Total Design Capacity

	<hr/>	mgd
+	<hr/>	mgd
=	<hr/>	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

R-001

- 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	December 31, 2021	
b. Final Plans and Specifications Complete	December 31, 2021	
c. Financing Complete	December 31, 2022	
d. Site Acquired	N/A	
e. Begin Construction	December 31, 2022	
f. End Construction	July 1, 2023	
g. Begin Reuse or Disposal	October 1, 2023	
h. Operational Level Attained	March 1, 2024	

3. Have appropriate permits/clearances concerning other Federal/State requirements been obtained?

☐ Yes ☒ No

If so, describe briefly:

Permitting in the process

SECTION 5. INDUSTRIAL WASTEWATER CONTRIBUTIONS

(Not Applicable)

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. 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): _____
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).

<u>EPA Hazardous Waste Number</u>	<u>Amount</u>	<u>Units</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

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).

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).

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.

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 CBOD₅ 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**
(Not Applicable)

1. Location of Residuals Treatment Processes _____

(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	
Septage		
Food Establishment Sludge		
Portable Toilet Waste		
Holding Tank Waste		
Boat or Marina Waste		
Other (Describe.)	or	
Total	or	

Is the total amount estimated or actual?

☐ Estimated
☐ Actual

3. Information on Treatment Facilities Transporting Residuals

a. DEP Permit Number

b. Facility Name

Number and Street

City/State/Zip Code

County

Telephone

c. Facility Type

☐ Type I
☐ Type II
☐ Type III

d. Amount of Residuals Received From This Facility

_____ dry tons/day or _____ gpd

Is this amount estimate or actual?

☐ Estimated
☐ Actual

e. Describe the treatment provided by this facility before transport

f. 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

4. Describe the manifest system used for tracking residuals during transport from the facilities.

SECTION 8. DOCUMENTATION SUBMITTED

1. General Application Requirements	Attached	
	Yes	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.

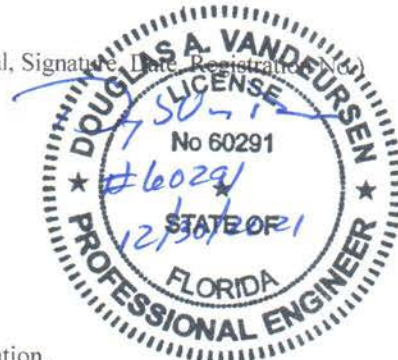
<u>Charles deMenzes</u> (Signature of Applicant or Authorized Representative ¹)	<u>12/28/2021</u> Date
<u>Charles DeMenzes</u> Name (please type):	<u>CFAT H2O, Inc.</u> Company Name:
<u>Charles deMenzes</u>	<u>P.O. Box 5220</u>
<u>Florida Registration Number:</u> <u>(352) 622-4949</u>	<u>Company Street Address or P O Box</u> <u>Ocala, Florida 34478-5220</u>
<u>Telephone No. (including area code)</u> <u>charlie@altfo.com</u>	<u>City/State/Zip Code:</u>
<u>Email (optional)</u>	

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.

<u>Douglas A. VanDeursen, P.E.</u>	<u>DNM Engineering & Associates, Inc.</u>
<u>Name (please type):</u> <u>60291</u>	<u>Company Name:</u> <u>P.O. Box 42</u>
<u>Florida Registration Number:</u> <u>(352) 624-2068</u>	<u>Company Street Address or P O Box</u> <u>Ocala, Florida 34478</u>
<u>Telephone No. (including area code)</u> <u>dnmengineering@embarqmail.com</u>	<u>City/State/Zip Code:</u>
<u>Email (optional)</u>	

(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.

Douglas A. VanDeursen, P.E.	DNM Engineering & Associates, Inc.
Name (please type): 60291	Company Name: P.O. Box 42
Florida Registration Number: (352) 624-2068	Company Street Address or P O Box Ocala, Florida 34478
Telephone No. (including area code) dnmengineering@embarqmail.com	City, State, Zip Code
Email (optional)	



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 Landfair WWTF 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 facilities, 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.

<i>Charles DeMenges</i>	12/28/2021
(Signature of Applicant or Authorized Representative ²)	Date
Charles DeMenges	CFAT H2O, Inc.
Name (please type) President	Company Name P.O. Box 5220
Title (352) 622-4949	Company Street Address or P O Box Ocala, Florida 34478-5220
Telephone No. (including area code) charlie@altfo.com	City, State, Zip Code
Email (optional)	

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.

Douglas A. VanDeursen, P.E.	DNM Engineering & Associates, Inc.
Name (please type): 60291	Company Name: P.O. Box 42
Florida Registration Number: (352) 624-2068	Company Street Address or P O Box Ocala, Florida 34478
Telephone No. (including area code) dnmengineering@embarqmail.com	City/State/Zip Code:
Email Address (optional)	

(Seal, Signature, Date, Registration No.)



SECTION 1, PART 6 OF DEP FORM 2A: ATTACHMENT

6. Municipalities or Areas Served:

Name of Municipality or Areas Served

- 1) **Landfair Multi-Family Subdivision**
Intersection of N.E. 78th Street & N.E. Jacksonville Road

Seventy-six (76) Multi-Family Duplexes (2 Bedroom/2 Bath)
Community Center
- 2) **Hilltop Manor Apartments**
7334 N.E. Jacksonville Road

33 - 2 Bedroom/1 Bath Apartments
4 - 1 Bedroom/1 Bath Apartments
Office, Laundry Facility, Storage
- 3) **Hilltop Manor II Apartments**
7334 N.E. Jacksonville Road

30 - 2 Bedroom/1 Bath Townhouses
15 – 1 Bedroom/1 Bath Townhouses
Laundry Facility
- 4) **Penny Park Estates MHP**
1001 N.E. 77th Street

27 Mobile Home Spaces (20 vacant spaces)
- 5) **Villages of Ocala East MHP**
751 N.E. 77th Lane

105 Mobile Home Spaces (63 vacant spaces)
Recreation Building
Office
- 6) **Villages of Ocala West MHP**
370 N.E. 76th Lane

65 Mobile Homes Spaces (37 vacant spaces)
- 7) **Marathon Convenience Store/Retail Gas Station**
7025 N.E. Jacksonville Road

3,200+/- Square feet Convenience Store

ITEM 3 OF SECTION 6 OF DEP FORM 2A: ATTACHMENT

Effluent Sampling Point (EFA-01):

- May 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (13.51 mg/L).
- May 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (28.71 mg/L).
- June 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.43 mg/L).
- June 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (27.38 mg/L).
- July 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (9.35 mg/L).
- July 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.54 mg/L).
- Aug. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.33 mg/L).
- Sept. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.39 mg/L).
- Oct. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.52 mg/L).

ITEM 6 OF SECTION 6 OF DEP FORM 2A: ATTACHMENT

Effluent Sampling Point (EFA-01):

- May 2017: Fecal Coliform concentration exceeded the single sample maximum concentration of 800/100mL (8,100/100mL).
- May 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- June 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- July 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Aug. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Sept. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Oct. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Nov. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.25/100mL).
- Dec. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.25/100mL).
- Jan. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Feb. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Mar. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Apr. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Aug. 2018: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (34.0 mg/L).
- Jan. 2019: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- July 2019: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- Jan. 2020: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- Feb. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (36.0 mg/L).
- Mar. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (117.0 mg/L).

Landfair WWTF

- Mar. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.5 mg/L).
- Apr. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.67 mg/L).
- May 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (68.0 mg/L).
- May 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (29.08 mg/L).
- June 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (30.08 mg/L).
- July 2020: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- July 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (36.0 mg/L).
- July 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (31.92 mg/L).
- Aug. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (80.0 mg/L).
- Aug. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.5 mg/L).
- Sept. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (38.08 mg/L).
- Oct. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Nov. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.67 mg/L).
- Nov. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Dec. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.59 mg/L).
- Dec. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Jan. 2021: Annual influent samples for CBOD₅; TSS; Nitrogen, Nitrate, Total (as N) were not performed.
- Jan. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.20 mg/L).
- Jan. 2021: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (34.0 mg/L).
- Jan. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (40.17 mg/L).
- Feb. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.32 mg/L).
- Feb. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (38.83 mg/L).

Landfair WWTF

- Mar. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.78 mg/L).
- Mar. 2021: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (53.0 mg/L).
- Mar. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (33.50 mg/L).
- Apr. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.72 mg/L).
- Apr. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (32.83 mg/L).
- May 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (13.51 mg/L).
- May 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (28.71 mg/L).
- June 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.43 mg/L).
- June 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (27.38 mg/L).
- July 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (9.35 mg/L).
- July 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.54 mg/L).
- Aug. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.33 mg/L).
- Sept. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.39 mg/L).
- Oct. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.52 mg/L).

UPDATED CAPACITY ANALYSIS REPORT

UPDATED CAPACITY ANALYSIS REPORT

FOR THE

LANDFAIR WASTEWATER TREATMENT FACILITY

**MIDPOINT OF N.E. 77TH LOOP
OCALA, MARION COUNTY, FLORIDA**

GMS Identification Number:	FLA010722
Operation Permit Number:	FLA010722-007-DW3P
Expiration Date:	April 9, 2021

Prepared by:

**DNM Engineering & Associates, Inc.
P.O. Box 42
Ocala, Florida 34478**

December 28, 2021

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CERTIFICATIONS

PERMITTEE:

Mr. Charles DeMenzes, President
CFAT H2O, Inc.
P.O. Box 5220
Ocala, Florida 34478
(352) 622-4949

As the responsible authority for the *Landfair WWTF*, the undersigned certifies that he/she has reviewed and is fully aware of the recommendations and schedules included in the report.

Date: 12/28/2021 Signature of Responsible Authority Charles DeMenzes

ENGINEER:

DNM Engineering & Associates, Inc.
Douglas A. VanDeursen, P. E.
P.O. Box 42
Ocala, Florida 34478
(352) 624-2068

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 designated representative.

Signature of Engineer _____
Florida Registration No. 60291
Date: 12/30/2021
STATE OF FLORIDA
DOUGLAS A. VANDEURSEN
LICENSE
PROFESSIONAL ENGINEER

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.

Signature of Engineer _____
Florida Registration No. 60291
Date: 12/30/2021
STATE OF FLORIDA
DOUGLAS A. VANDEURSEN
LICENSE
PROFESSIONAL ENGINEER

STATEMENT OF CAPACITY FOR NEXT FOUR YEARS

(Make appropriate selection)

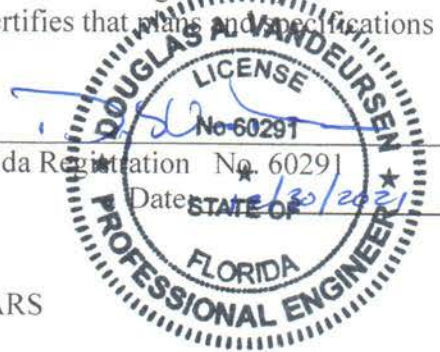
☒ The analysis of the wastewater treatment facility indicates that the permitted capacity will not be equaled or exceeded within the next four years.

☐ 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.

Signature of Engineer _____

Florida Registration No. 60291

Date 1/30/2021



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 *Landfair WWTF*, 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 _____

INTRODUCTION

GENERAL

This is an updated capacity analysis report for the wastewater treatment plant that serves the following properties located in Ocala, Marion County, Florida:

- 1) **Landfair Multi-Family Subdivision**
Intersection of N.E. 78th Street & N.E. Jacksonville Road

Seventy-six (76) Multi-Family Duplexes (2 Bedroom/2 Bath)
Community Center
- 2) **Hilltop Manor Apartments**
7334 N.E. Jacksonville Road

33 - 2 Bedroom/1 Bath Apartments
4 - 1 Bedroom/1 Bath Apartments
Office, Laundry Facility, Storage
- 3) **Hilltop Manor II Apartments**
7334 N.E. Jacksonville Road

30 - 2 Bedroom/1 Bath Townhouses
15 – 1 Bedroom/1 Bath Townhouses
Laundry Facility
- 4) **Penny Park Estates MHP**
1001 N.E. 77th Street

27 Mobile Home Spaces (20 vacant spaces)
- 5) **Villages of Ocala East MHP**
751 N.E. 77th Lane

105 Mobile Home Spaces (63 vacant spaces)
Recreation Building
Office
- 6) **Villages of Ocala West MHP**
370 N.E. 76th Lane

65 Mobile Homes Spaces (37 vacant spaces)
- 7) **Marathon Convenience Store/Retail Gas Station**
7025 N.E. Jacksonville Road

3,200+/- Square feet Convenience Store

The Landfair Wastewater Treatment Facility is located within the Landfair Multi-Family Subdivision at the midpoint of N.E. 77th Loop which intersects N.E. 22nd Terrace. The current permit expires on April 9, 2022.

DESCRIPTION OF FACILITIES

Wastewater Treatment Plant

The domestic wastewater treatment plant (WWTP) consists of a 0.099 MGD concrete modular package plant. The WWTP consists of a flow equalization basin, aeration, secondary clarification, chlorination and aerobic digestion of residuals. The permitted capacity of the WWTP is currently limited to 0.099 MGD Annual Average Daily Flow (AADF). The WWTP is an activated sludge process, which utilizes an extended aeration system. The components of the plant are as follows:

- (1) Influent Bar Screen
- (2) Flow equalization basin with a total volume of 10,000+/- gallons with Flow Splitter Box and duplex submersible equalization pumps and controls.
- (2) 20.0 HP, 3-Phase (208-230V/460V), 1760 RPM Motor and Roots Model 68-URAI blower assemblies for the delivery of air mixing and oxygen requirements.
- (2) Aeration basins with a total volume of 124,000+/- gallons.
- (1) Settling basin with a total volume of 26,000+/- gallons w/ sludge hopper, scum removal and effluent weir.
- (1) Aerobic sludge holding tanks with a total volume of 10,400+/- gallons.
- (1) Chlorine contact basin with a total volume of 5,500+/- gallons for disinfection.
- (1) Stevens Model #61R Effluent Flow Meter & V-Notch Weir.
- (1) Stenner 17 GPD, 115V Chemical Feeder Pump for the delivery of sodium hypochlorite solution for disinfection purposes.

Reclaimed/Reuse Water Land Application of Effluent

The treated effluent is applied to the 0.099 MGD AADF on-site rapid rate land application system consisting of the following:

- (2) Percolation/evaporation ponds with total bottom area of 100,188+/- ft² (2.3+/- Acres).

Residuals Disposal

Aerated sludge storage is provided to accommodate daily sludge production. Supernatant from the holding tank is returned to the aeration basin, via portable pump, to increase solids concentration within the tank. As needed, American Pipe and Tank d/b/a/ 412 Biosolids Processing Facility removes residuals from the aerobic sludge holding tank and hauls them off-site to be treated at a permitted Type II Residuals Management Facility (Permit No.: FLA356697-001-DW2S) by lime stabilization and land applied or disposed of in a Class I or II solid waste landfill.

EXISTING CONDITIONS

PERMITTED CAPACITIES

Wastewater Treatment Plant

Under the Florida Department of Environmental Protection permit number FLA010722; the wastewater treatment plant receives flow from the Landfair Multi-Family Housing Development, Hilltop Manor Apartments, Hilltop Manor II Apartments, Penny Park Estates MHP, Villages of Ocala East MHP, Villages of Ocala West MHP, and a Marathon Convenience Store/Retail Gas Station located in Ocala, Marion County, Florida. The permitted capacity of the wastewater treatment plant is 0.099 MGD Annual Average Daily Flow (AADF).

Reclaimed/Reuse Water Land Application of Effluent

The land application reuse system utilizes a rapid-rate land application system consisting of two (2) rapid rate infiltration basins (percolation ponds) with a combined total bottom area of 2.30+/- acres (100,188+/- square feet) and a total permitted capacity of 0.099 MGD Annual Average Daily Flow (AADF). The average hydraulic loading rate at permitted capacity to the land application system is 0.99 GPD/ft² or 1.59 inches per day (11.10 inches per week) at full permitted wastewater treatment plant capacity of 0.099 MGD. The hydraulic loading rate at the maximum 3MRADF (0.070 MGD) over the past three years is 1.12 inches per day.

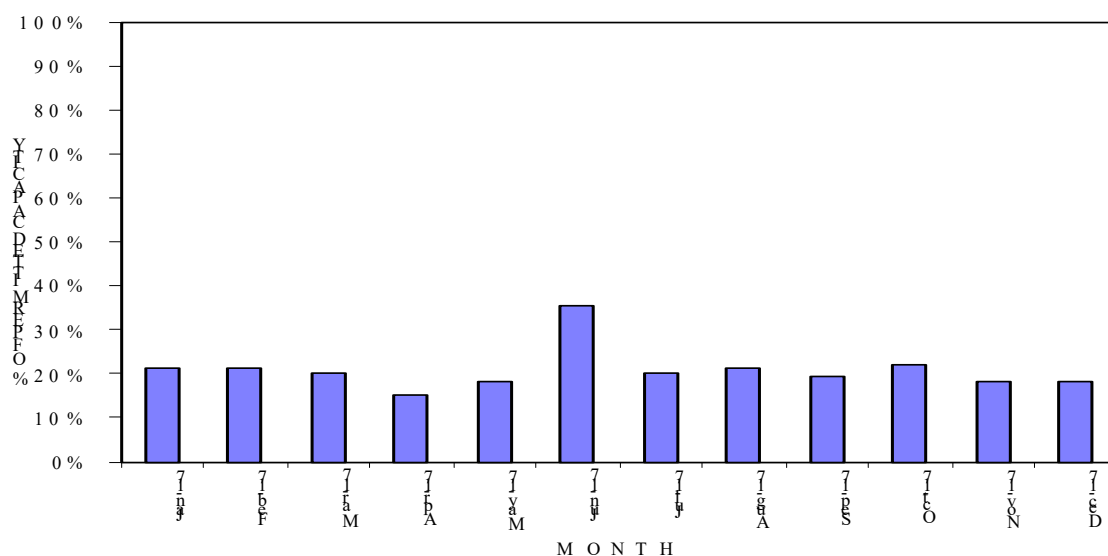
Residuals Disposal

Aerated sludge storage is provided to accommodate daily sludge production. Supernatant from the holding tank is returned to the aeration basin, via portable pump, to increase solids concentration within the tank. As needed, American Pipe and Tank d/b/a/ 412 Biosolids Processing Facility removes residuals from the aerobic sludge holding tank and hauls them off-site to be treated at a permitted Type II Residuals Management Facility (Permit No.: FLA356697-001-DW2S) by lime stabilization and land applied or disposed of in a Class I or II solid waste landfill.

AVERAGE DAILY FLOW, and THREE-MONTH AVERAGE DAILY FLOW**Monthly Average Daily Flows January – December 2017**

The following information is taken from Monthly Discharge Monitoring Reports.

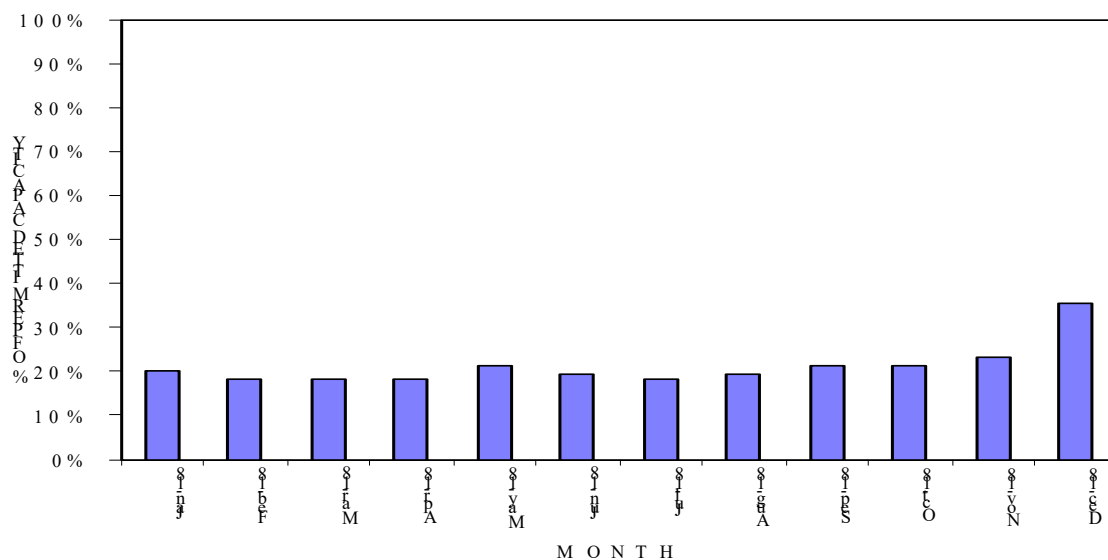
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	M O N T H L Y A V G . F L O W (M G D)
J a n - 1 7	2 1 %	0 . 0 2 1
F e b - 1 7	2 1 %	0 . 0 2 1
M a r - 1 7	2 0 %	0 . 0 2 0
A p r - 1 7	1 5 %	0 . 0 1 5
M a y - 1 7	1 8 %	0 . 0 1 8
J u n - 1 7	3 5 %	0 . 0 3 5
J u l - 1 7	2 0 %	0 . 0 2 0
A u g - 1 7	2 1 %	0 . 0 2 1
S e p - 1 7	1 9 %	0 . 0 1 9
O c t - 1 7	2 2 %	0 . 0 2 2
N o v - 1 7	1 8 %	0 . 0 1 8
D e c - 1 7	1 8 %	0 . 0 1 8
A v e r a g e		0 . 0 2 1



Monthly Average Daily Flows January – December 2018

The following information is taken from Monthly Discharge Monitoring Reports.

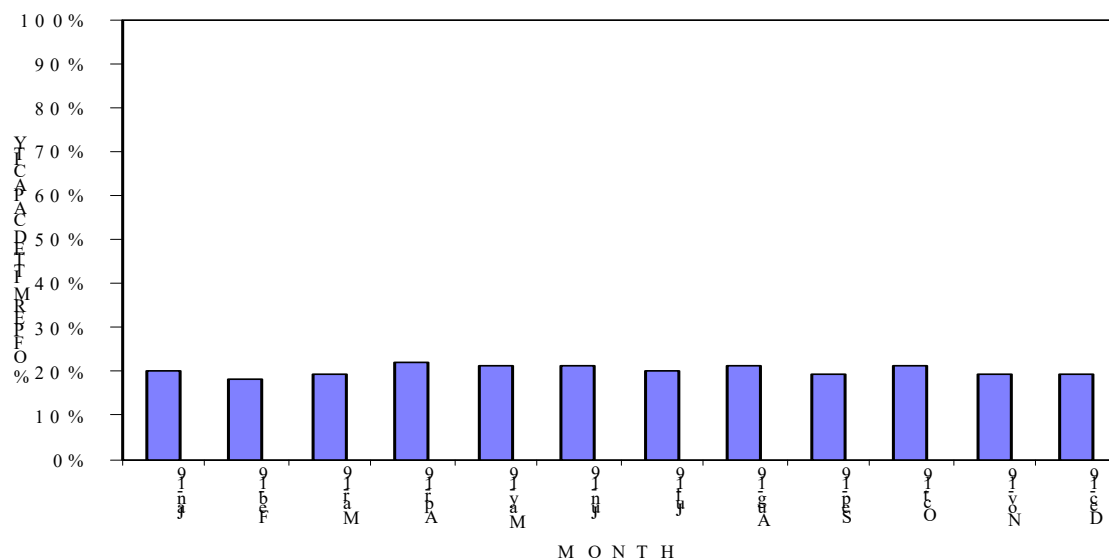
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	M O N T H L Y A V G . F L O W (M G D)
J a n - 1 8	2 0 %	0 . 0 2 0
F e b - 1 8	1 8 %	0 . 0 1 8
M a r - 1 8	1 8 %	0 . 0 1 8
A p r - 1 8	1 8 %	0 . 0 1 8
M a y - 1 8	2 1 %	0 . 0 2 1
J u n - 1 8	1 9 %	0 . 0 1 9
J u l - 1 8	1 8 %	0 . 0 1 8
A u g - 1 8	1 9 %	0 . 0 1 9
S e p - 1 8	2 1 %	0 . 0 2 1
O c t - 1 8	2 1 %	0 . 0 2 1
N o v - 1 8	2 3 %	0 . 0 2 3
D e c - 1 8	3 5 %	0 . 0 3 5
A v e r a g e		0 . 0 2 1



Monthly Average Daily Flows January – December 2019

The following information is taken from Monthly Discharge Monitoring Reports.

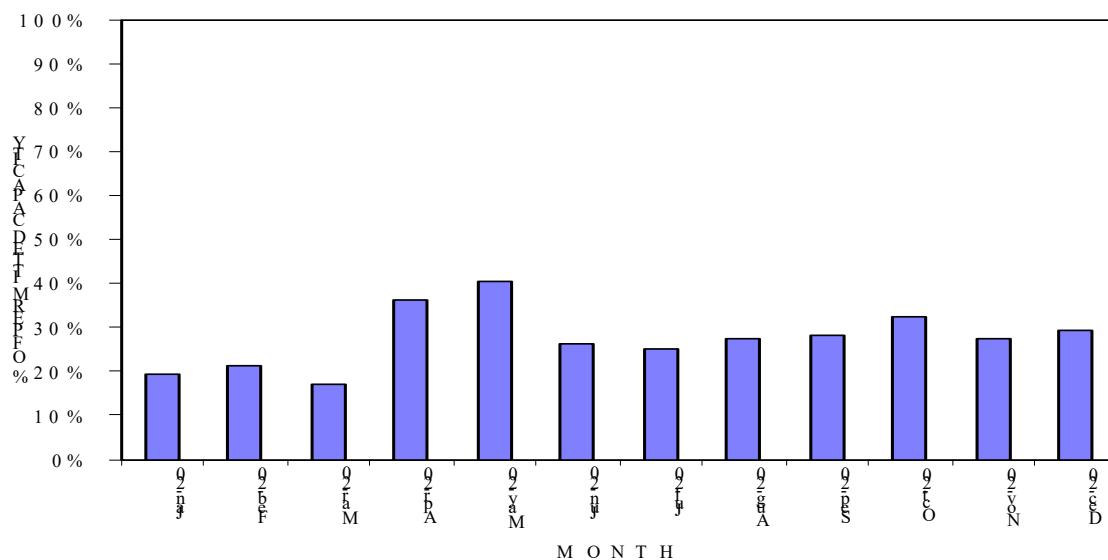
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	M O N T H L Y A V G . F L O W (M G D)
J a n - 1 9	2 0 %	0 . 0 2 0
F e b - 1 9	1 8 %	0 . 0 1 8
M a r - 1 9	1 9 %	0 . 0 1 9
A p r - 1 9	2 2 %	0 . 0 2 2
M a y - 1 9	2 1 %	0 . 0 2 1
J u n - 1 9	2 1 %	0 . 0 2 1
J u l - 1 9	2 0 %	0 . 0 2 0
A u g - 1 9	2 1 %	0 . 0 2 1
S e p - 1 9	1 9 %	0 . 0 1 9
O c t - 1 9	2 1 %	0 . 0 2 1
N o v - 1 9	1 9 %	0 . 0 1 9
D e c - 1 9	1 9 %	0 . 0 1 9
A v e r a g e		0 . 0 2 0



Monthly Average Daily Flows January – December 2020

The following information is taken from Monthly Discharge Monitoring Reports.

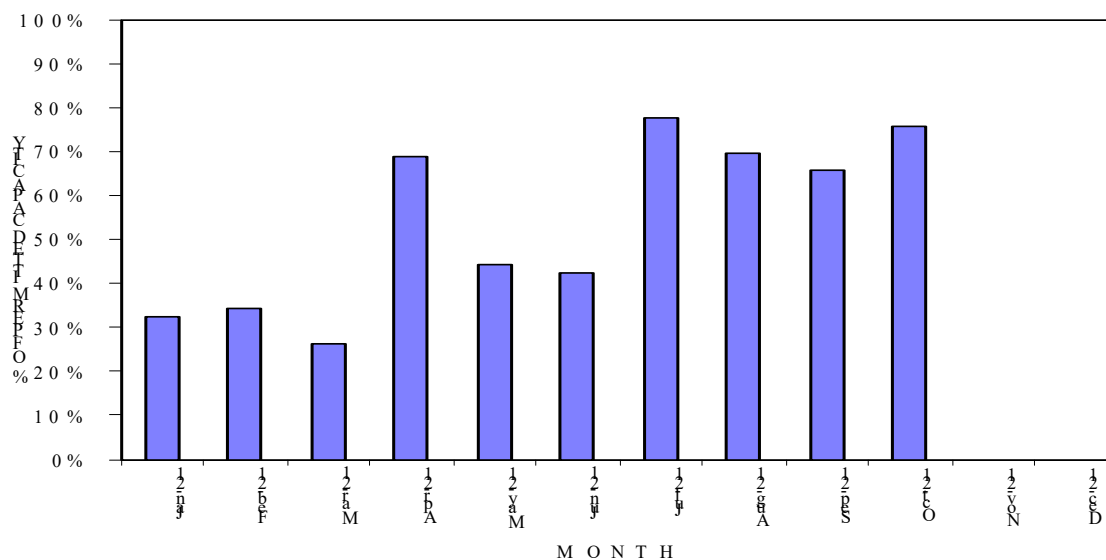
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	M O N T H L Y A V G . F L O W (M G D)
J a n - 2 0	1 9 %	0 . 0 1 9
F e b - 2 0	2 1 %	0 . 0 2 1
M a r - 2 0	1 7 %	0 . 0 1 7
A p r - 2 0	3 6 %	0 . 0 3 6
M a y - 2 0	4 0 %	0 . 0 4 0
J u n - 2 0	2 6 %	0 . 0 2 6
J u l - 2 0	2 5 %	0 . 0 2 5
A u g - 2 0	2 7 %	0 . 0 2 7
S e p - 2 0	2 8 %	0 . 0 2 8
O c t - 2 0	3 2 %	0 . 0 3 2
N o v - 2 0	2 7 %	0 . 0 2 7
D e c - 2 0	2 9 %	0 . 0 2 9
A v e r a g e		0 . 0 2 7



Monthly Average Daily Flows January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

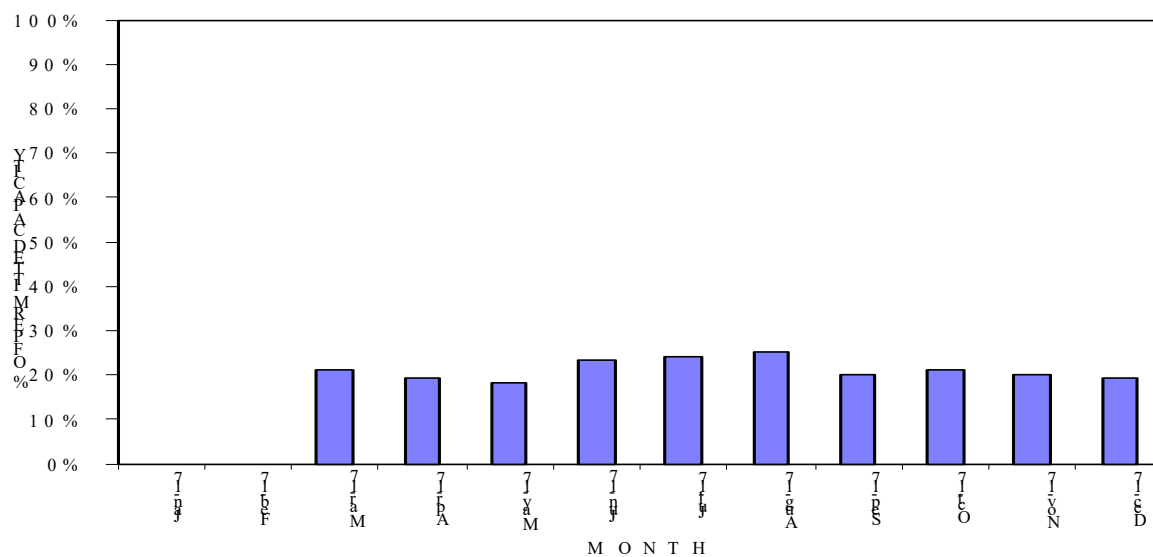
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	M O N T H L Y A V G . F L O W (M G D)
J a n - 2 1	3 2 %	0 . 0 3 2
F e b - 2 1	3 4 %	0 . 0 3 4
M a r - 2 1	2 6 %	0 . 0 2 6
A p r - 2 1	6 9 %	0 . 0 6 8
M a y - 2 1	4 4 %	0 . 0 4 4
J u n - 2 1	4 2 %	0 . 0 4 2
J u l - 2 1	7 8 %	0 . 0 7 7
A u g - 2 1	7 0 %	0 . 0 6 9
S e p - 2 1	6 6 %	0 . 0 6 5
O c t - 2 1	7 6 %	0 . 0 7 5
N o v - 2 1	0 %	
D e c - 2 1	0 %	
A v e r a g e		0 . 0 5 3



Three Month Average Daily Flows January – December 2017

The following information is taken from Monthly Discharge Monitoring Reports.

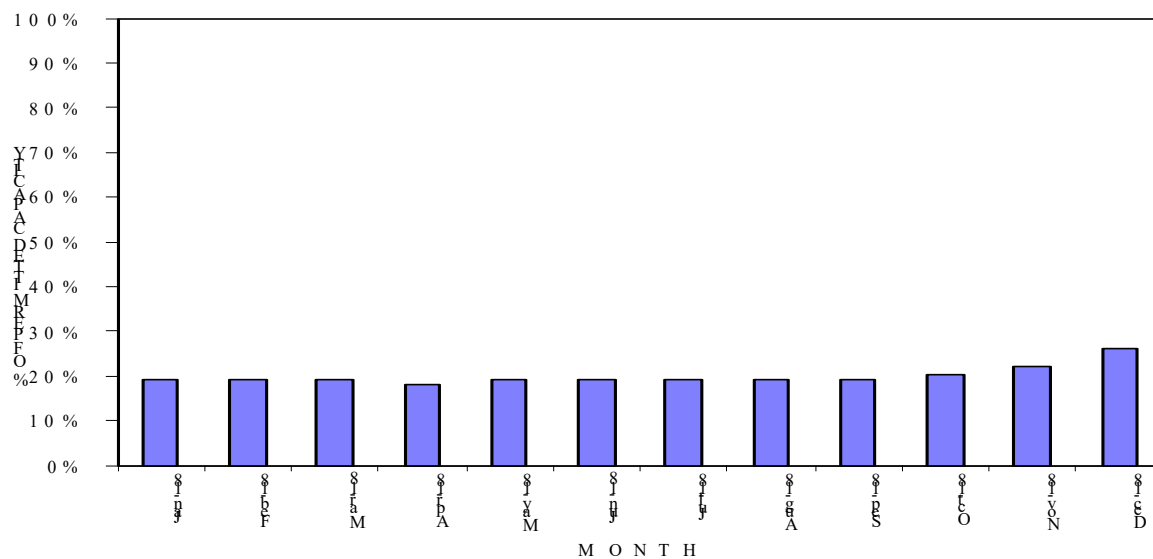
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	3 M O N T H A V G . F L O W (M G D)
J a n - 1 7	0 %	
F e b - 1 7	0 %	
M a r - 1 7	2 1 %	0 . 0 2 1
A p r - 1 7	1 9 %	0 . 0 1 9
M a y - 1 7	1 8 %	0 . 0 1 8
J u n - 1 7	2 3 %	0 . 0 2 3
J u l - 1 7	2 4 %	0 . 0 2 4
A u g - 1 7	2 5 %	0 . 0 2 5
S e p - 1 7	2 0 %	0 . 0 2 0
O c t - 1 7	2 1 %	0 . 0 2 1
N o v - 1 7	2 0 %	0 . 0 2 0
D e c - 1 7	1 9 %	0 . 0 1 9
M a x i m u m		0 . 0 2 5



Three Month Average Daily Flows January – December 2018

The following information is taken from Monthly Discharge Monitoring Reports.

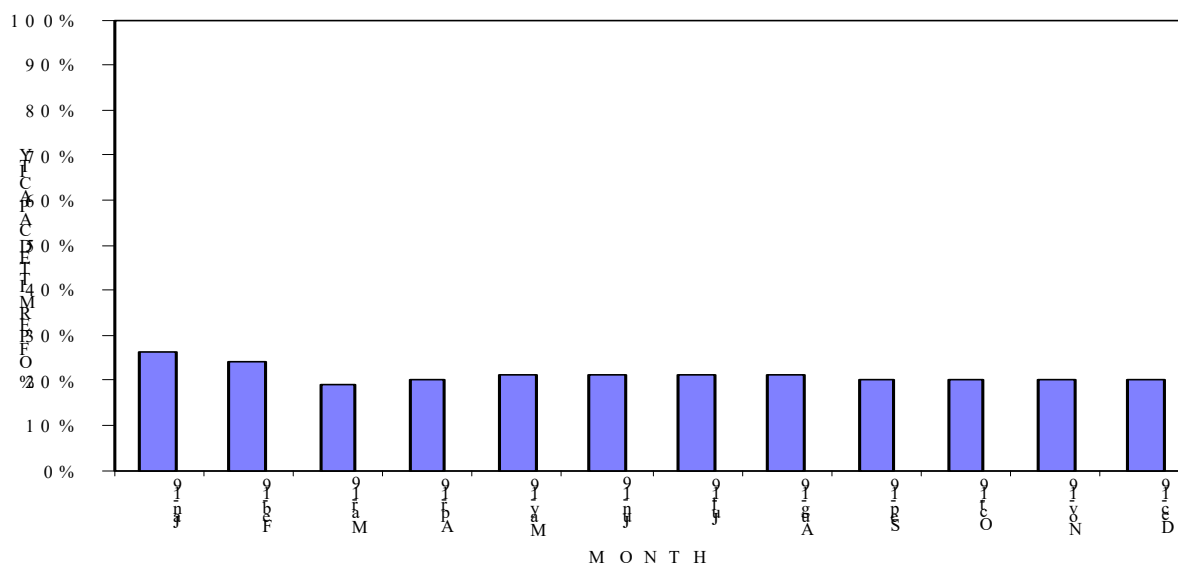
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	3 M O N T H A V G . F L O W (M G D)
J a n - 1 8	1 9 %	0 . 0 1 9
F e b - 1 8	1 9 %	0 . 0 1 9
M a r - 1 8	1 9 %	0 . 0 1 9
A p r - 1 8	1 8 %	0 . 0 1 8
M a y - 1 8	1 9 %	0 . 0 1 9
J u n - 1 8	1 9 %	0 . 0 1 9
J u l - 1 8	1 9 %	0 . 0 1 9
A u g - 1 8	1 9 %	0 . 0 1 9
S e p - 1 8	1 9 %	0 . 0 1 9
O c t - 1 8	2 0 %	0 . 0 2 0
N o v - 1 8	2 2 %	0 . 0 2 2
D e c - 1 8	2 6 %	0 . 0 2 6
M a x i m u m		0 . 0 2 6



Three Month Average Daily Flows January – December 2019

The following information is taken from Monthly Discharge Monitoring Reports.

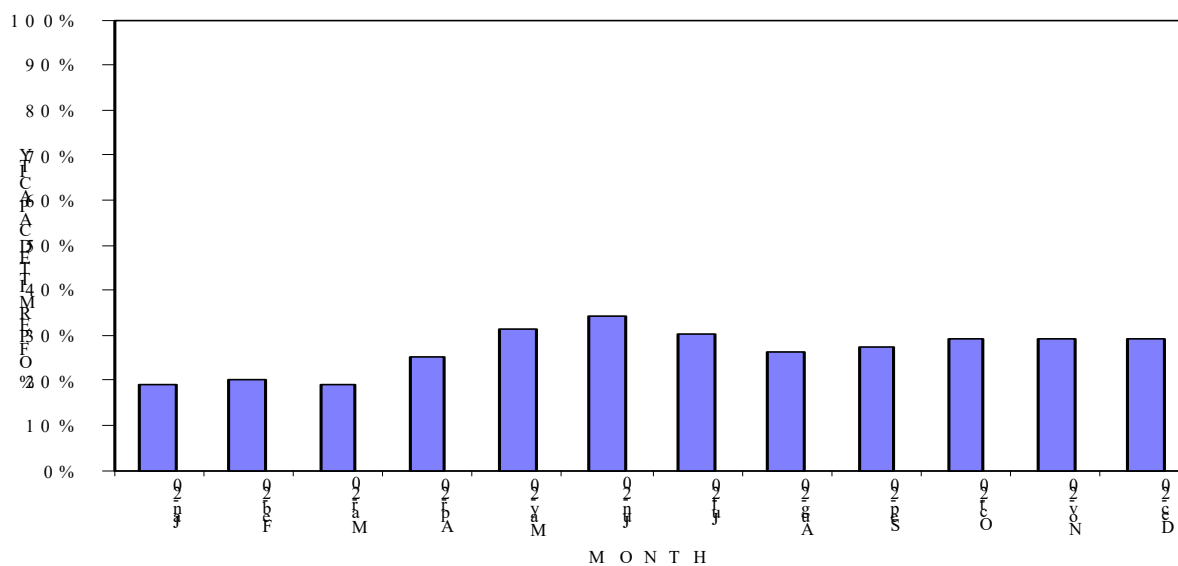
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	3 M O N T H A V G . F L O W (M G D)
J a n - 1 9	2 6 %	0 . 0 2 6
F e b - 1 9	2 4 %	0 . 0 2 4
M a r - 1 9	1 9 %	0 . 0 1 9
A p r - 1 9	2 0 %	0 . 0 2 0
M a y - 1 9	2 1 %	0 . 0 2 1
J u n - 1 9	2 1 %	0 . 0 2 1
J u l - 1 9	2 1 %	0 . 0 2 1
A u g - 1 9	2 1 %	0 . 0 2 1
S e p - 1 9	2 0 %	0 . 0 2 0
O c t - 1 9	2 0 %	0 . 0 2 0
N o v - 1 9	2 0 %	0 . 0 2 0
D e c - 1 9	2 0 %	0 . 0 2 0
	M a x i m u m	0 . 0 2 6



Three Month Average Daily Flows January – December 2020

The following information is taken from Monthly Discharge Monitoring Reports.

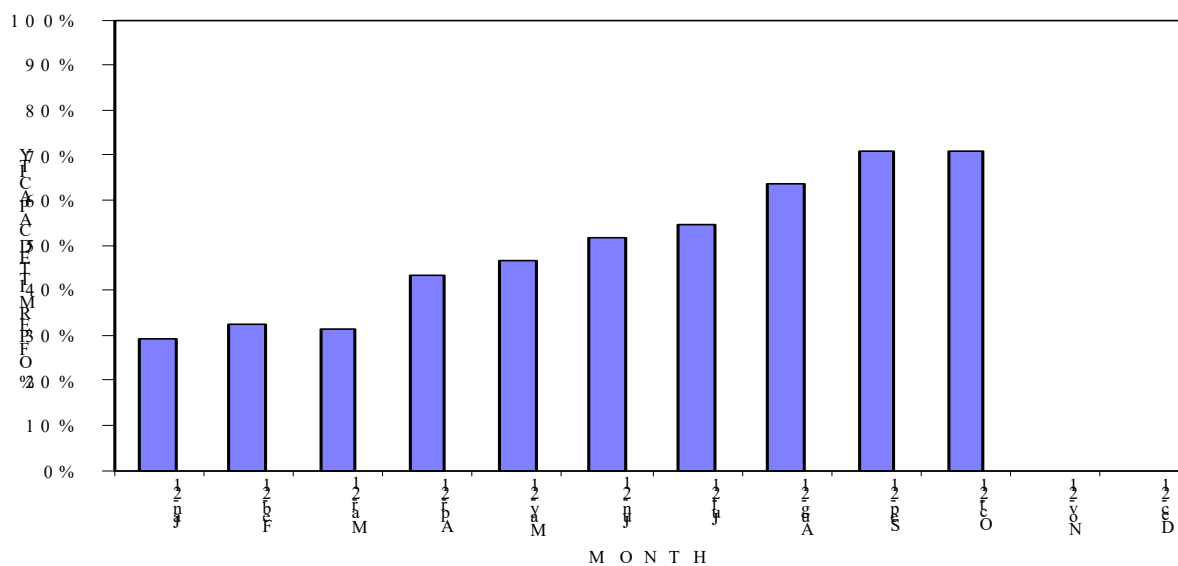
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	3 M O N T H A V G . F L O W (M G D)
J a n - 2 0	1 9 %	0 . 0 1 9
F e b - 2 0	2 0 %	0 . 0 2 0
M a r - 2 0	1 9 %	0 . 0 1 9
A p r - 2 0	2 5 %	0 . 0 2 5
M a y - 2 0	3 1 %	0 . 0 3 1
J u n - 2 0	3 4 %	0 . 0 3 4
J u l - 2 0	3 0 %	0 . 0 3 0
A u g - 2 0	2 6 %	0 . 0 2 6
S e p - 2 0	2 7 %	0 . 0 2 7
O c t - 2 0	2 9 %	0 . 0 2 9
N o v - 2 0	2 9 %	0 . 0 2 9
D e c - 2 0	2 9 %	0 . 0 2 9
M a x i m u m		0 . 0 3 4



Three Month Average Daily Flows January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

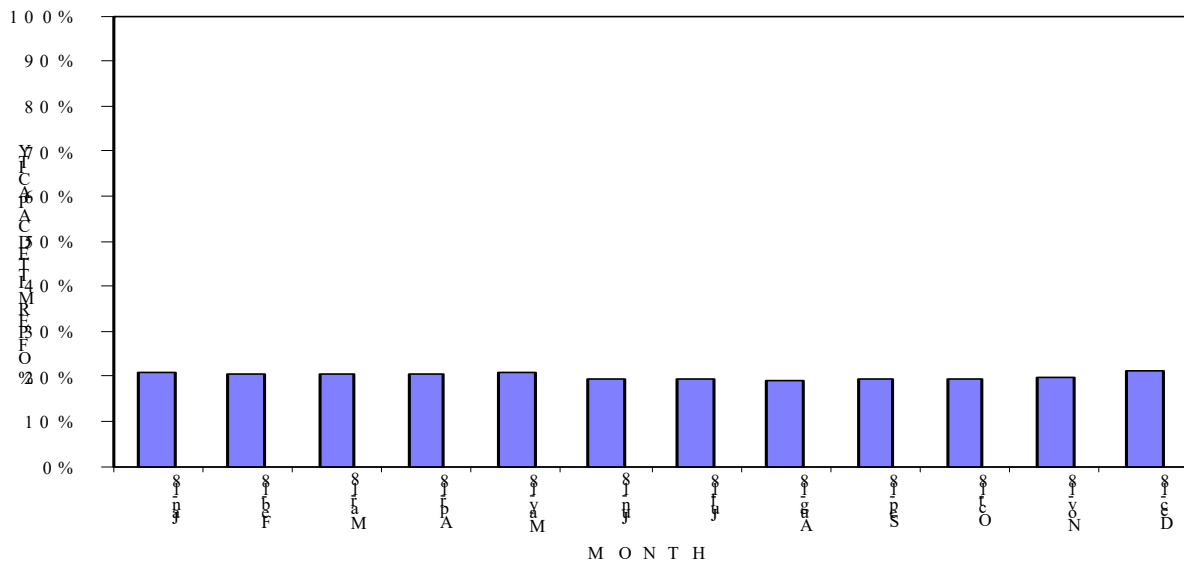
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	3 M O N T H A V G . F L O W (M G D)
J a n - 2 1	2 9 %	0 . 0 2 9
F e b - 2 1	3 2 %	0 . 0 3 2
M a r - 2 1	3 1 %	0 . 0 3 1
A p r - 2 1	4 3 %	0 . 0 4 3
M a y - 2 1	4 6 %	0 . 0 4 6
J u n - 2 1	5 2 %	0 . 0 5 1
J u l - 2 1	5 5 %	0 . 0 5 4
A u g - 2 1	6 4 %	0 . 0 6 3
S e p - 2 1	7 1 %	0 . 0 7 0
O c t - 2 1	7 1 %	0 . 0 7 0
N o v - 2 1	0 %	
D e c - 2 1	0 %	
M a x i m u m		0 . 0 7 0



Rolling Annual Average Daily Flows January – December 2018

The following information is taken from Monthly Discharge Monitoring Reports.

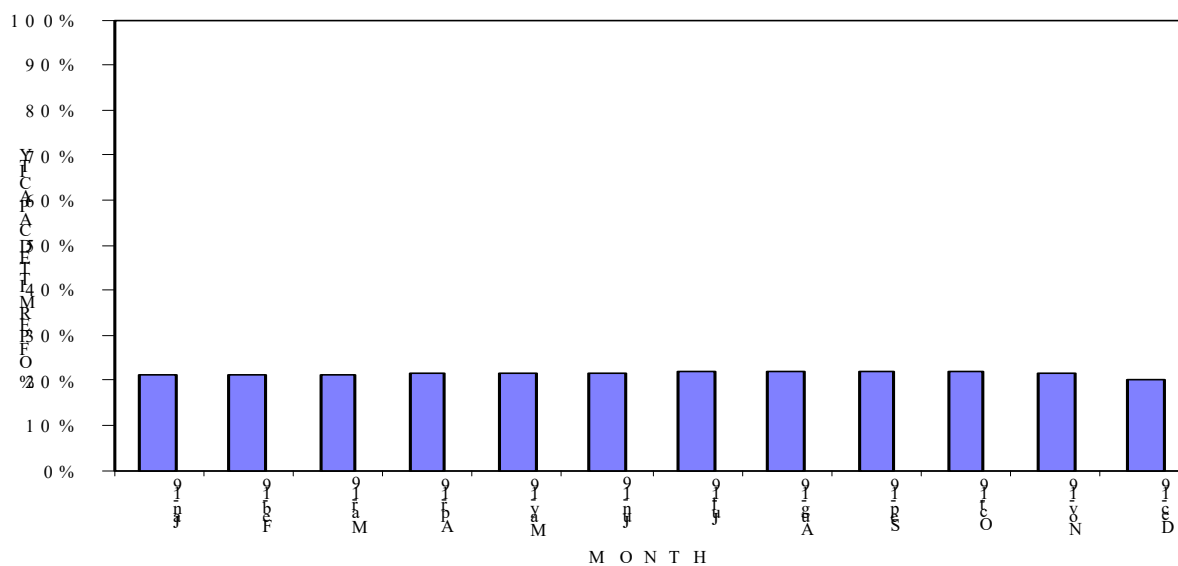
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	R O L L I N G A A D F F L O W (M G D)
J a n - 1 8	2 1 %	0 . 0 2 0 6
F e b - 1 8	2 1 %	0 . 0 2 0 3
M a r - 1 8	2 0 %	0 . 0 2 0 2
A p r - 1 8	2 1 %	0 . 0 2 0 4
M a y - 1 8	2 1 %	0 . 0 2 0 7
J u n - 1 8	1 9 %	0 . 0 1 9 3
J u l - 1 8	1 9 %	0 . 0 1 9 2
A u g - 1 8	1 9 %	0 . 0 1 9 0
S e p - 1 8	1 9 %	0 . 0 1 9 2
O c t - 1 8	1 9 %	0 . 0 1 9 1
N o v - 1 8	2 0 %	0 . 0 1 9 5
D e c - 1 8	2 1 %	0 . 0 2 0 9
M a x i m u m		0 . 0 2 0 9



Rolling Annual Average Daily Flows January – December 2019

The following information is taken from Monthly Discharge Monitoring Reports.

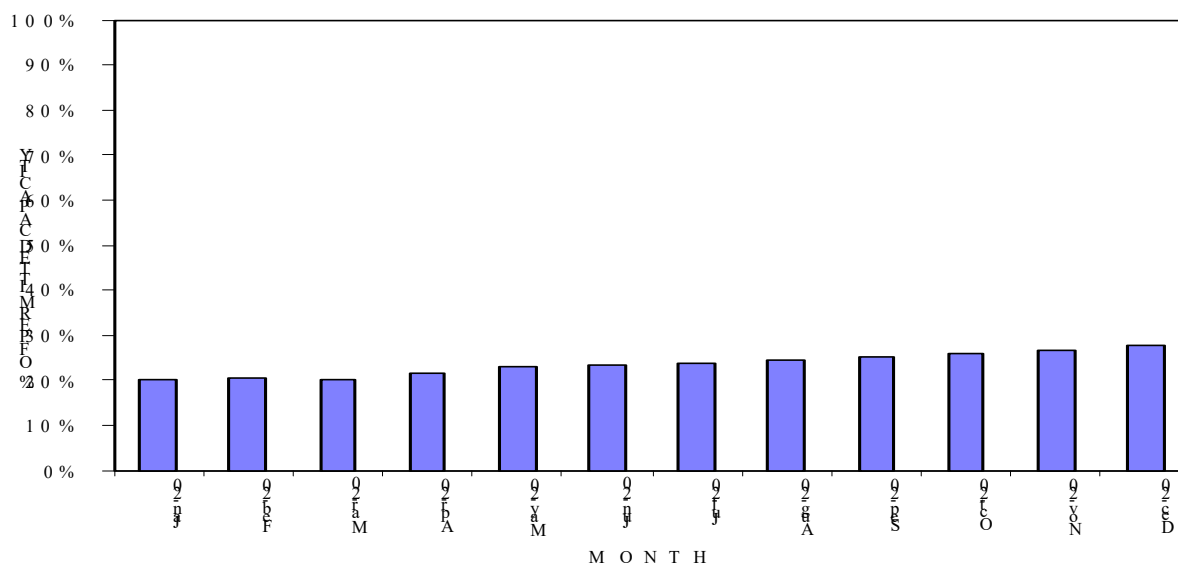
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	R O L L I N G A A D F F L O W (M G D)
J a n - 1 9	2 1 %	0 . 0 2 0 9
F e b - 1 9	2 1 %	0 . 0 2 0 9
M a r - 1 9	2 1 %	0 . 0 2 1 0
A p r - 1 9	2 2 %	0 . 0 2 1 3
M a y - 1 9	2 2 %	0 . 0 2 1 3
J u n - 1 9	2 2 %	0 . 0 2 1 5
J u l - 1 9	2 2 %	0 . 0 2 1 7
A u g - 1 9	2 2 %	0 . 0 2 1 8
S e p - 1 9	2 2 %	0 . 0 2 1 7
O c t - 1 9	2 2 %	0 . 0 2 1 7
N o v - 1 9	2 2 %	0 . 0 2 1 3
D e c - 1 9	2 0 %	0 . 0 2 0 0
M a x i m u m		0 . 0 2 1 8



Rolling Annual Average Daily Flows January – December 2020

The following information is taken from Monthly Discharge Monitoring Reports.

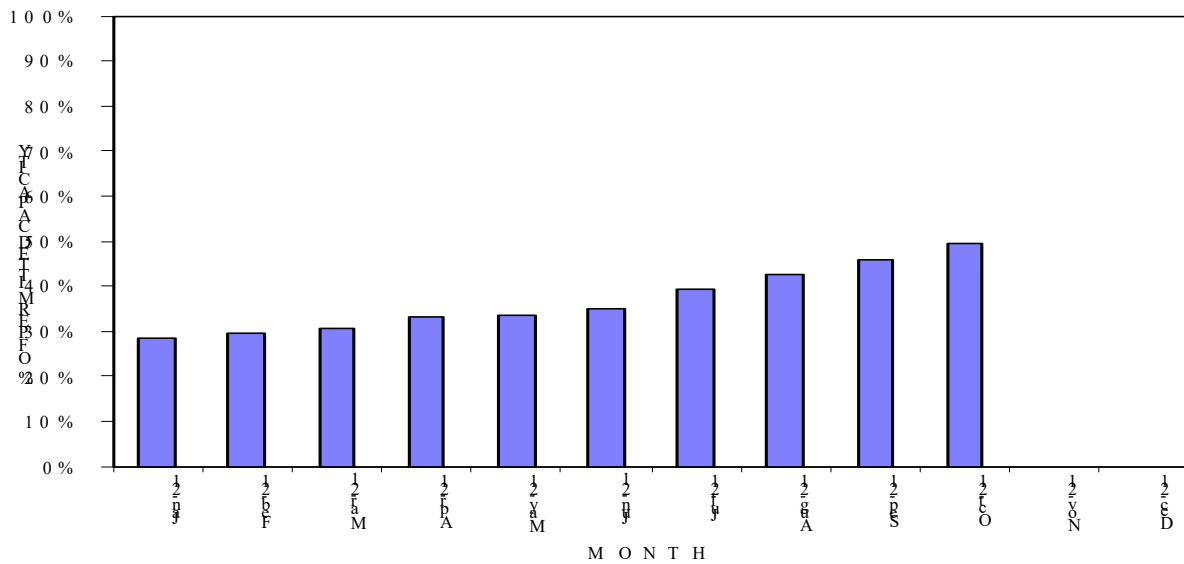
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	R O L L I N G A A D F F L O W (M G D)
J a n - 2 0	2 0 %	0 . 0 1 9 9
F e b - 2 0	2 0 %	0 . 0 2 0 2
M a r - 2 0	2 0 %	0 . 0 2 0 0
A p r - 2 0	2 1 %	0 . 0 2 1 2
M a y - 2 0	2 3 %	0 . 0 2 2 8
J u n - 2 0	2 3 %	0 . 0 2 3 2
J u l - 2 0	2 4 %	0 . 0 2 3 6
A u g - 2 0	2 4 %	0 . 0 2 4 1
S e p - 2 0	2 5 %	0 . 0 2 4 8
O c t - 2 0	2 6 %	0 . 0 2 5 8
N o v - 2 0	2 7 %	0 . 0 2 6 4
D e c - 2 0	2 8 %	0 . 0 2 7 3
	M a x i m u m	0 . 0 2 7 3



Rolling Annual Average Daily Flows January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

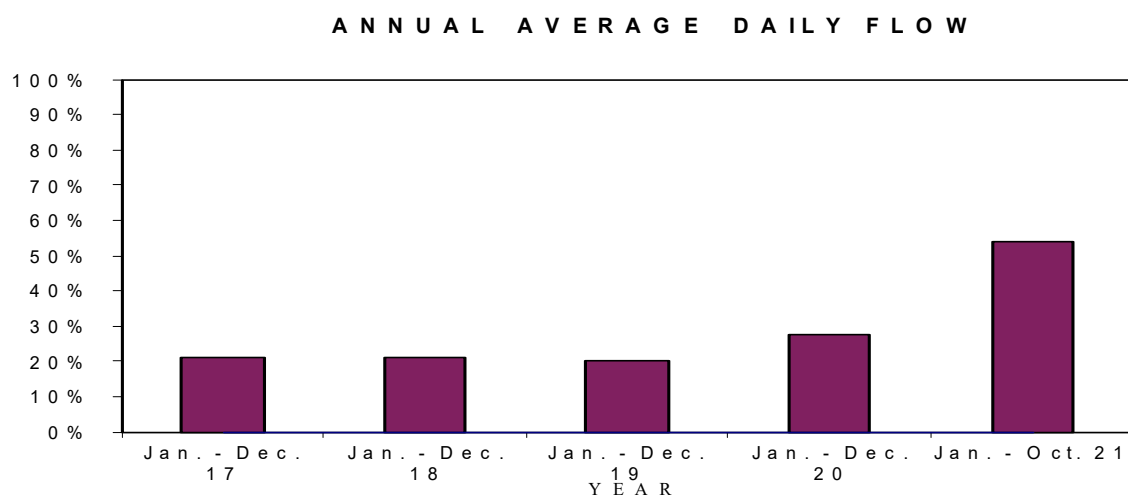
M O N T H	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	R O L L I N G A A D F F L O W (M G D)
J a n - 2 1	2 9 %	0 . 0 2 8 3
F e b - 2 1	3 0 %	0 . 0 2 9 4
M a r - 2 1	3 1 %	0 . 0 3 0 2
A p r - 2 1	3 3 %	0 . 0 3 2 8
M a y - 2 1	3 4 %	0 . 0 3 3 2
J u n - 2 1	3 5 %	0 . 0 3 4 5
J u l - 2 1	3 9 %	0 . 0 3 8 8
A u g - 2 1	4 3 %	0 . 0 4 2 3
S e p - 2 1	4 6 %	0 . 0 4 5 4
O c t - 2 1	4 9 %	0 . 0 4 9 0
N o v - 2 1	0 %	
D e c - 2 1	0 %	
M a x i m u m		0 . 0 4 9 0



Annual Average Daily Flows 2017 - 2021

The following information is taken from Monthly Discharge Monitoring Reports.

Y E A R	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	A V E R A G E D A I L Y F L O W (M G D)
J a n . - D e c . 1 7	2 1 %	0 . 0 2 1 0
J a n . - D e c . 1 8	2 1 %	0 . 0 2 0 9
J a n . - D e c . 1 9	2 0 %	0 . 0 2 0 0
J a n . - D e c . 2 0	2 8 %	0 . 0 2 7 3
J a n . - O c t . 2 1	5 4 %	0 . 0 5 3 2



UPDATED ORGANIC LOADING INFORMATION

Parameter	Design Loading (@ Permitted Capacity)	Current Loading January 2020
CBOD ₅	240 mg/l	257 mg/l
TSS	240 mg/l	236 mg/l

Based upon *Recommended Standards For Wastewater Facilities, 1997 Edition*, the maximum organic loading rate is 15 lb. BOD₅/d/1000 ft³ for extended aeration. For this extended aeration wastewater treatment plant with 124,000+/- gallons in aeration volume, the design loadings are as follows:

$$\text{Maximum Organic Capacity} = 124,000 \text{ gallons/day} \div 7.48 \text{ gal/ft}^3 = 16,577.5 \text{ ft}^3/\text{day} \text{ and } (16,577.5 \text{ ft}^3/\text{day}) \div (1000 \text{ ft}^3 / 15 \text{ lbs./day}) = \underline{248.66 \text{ lbs. @ 124,000 GPD}}$$

$$\text{CBOD}_5 \text{ \& TSS (@ Maximum Permitted Capacity of 0.099 MGD)} \\ \text{Max. Conc. (mg/l)} = 248.66 \text{ lbs.} \div (0.099 \text{ MGD} \times 8.34 \text{ lb/MG}) = \underline{301.2 \text{ mg/l}} \\ \underline{\text{@ 0.099 MGD}}$$

$$\text{CBOD}_5 \text{ \& TSS (@ July 2021 Annual Average Daily Flow of 0.0532 MGD)} \\ \text{Max. Conc. (mg/l)} = 248.66 \text{ lbs.} \div (0.0532 \text{ MGD} \times 8.34 \text{ lb/MG}) = \underline{560.4 \text{ mg/l}} \\ \underline{\text{@ 0.0532 MGD}}$$

Based upon the 2021 Annual Average Daily Flow of 0.0532 MGD, the maximum allowable organic loading rate at the wastewater treatment plant is approximately 560.4 mg/L. The Landfair WWTF is currently achieving CBOD₅ and TSS Percent Removal Efficiencies of 99.2% and 99.2%, respectively, based upon the effluent data reported on the October 2021 DMR and the influent data reported on the January 2020 DMR.

FLOW MEASUREMENT

In accordance with the current facility permit, flow measurements are to be taken from the effluent V-notch weir and totalizer flow meter (FLW-1) located at the chlorine contact chamber of WWTF. The Effluent V-notch Weir and Totalizing Flow Meter are to be calibrated at least annually.

SEASONAL VARIATIONS IN FLOW

The following information is taken from Monthly Discharge Monitoring Reports.

YEAR	MONTH OF MAXIMUM THREE MONTH AVERAGE DAILY FLOW	MAXIMUM THREE MONTH AVERAGE DAILY FLOW (MGD)	ANNUAL AVERAGE DAILY FLOW (MGD)	RATIO OF MAXIMUM THREE MONTH AVERAGE DAILY FLOW TO ANNUAL AVERAGE DAILY FLOW
Jan. - Dec. '17	August	0.025	0.021	1.19
Jan. - Dec. '18	December	0.026	0.0209	1.24
Jan. - Dec. '19	January	0.026	0.020	1.30
Jan. - Dec. '20	June	0.034	0.0273	1.25
Jan. - Oct. '21	Sept. & Oct.	0.070	0.0532	1.32
			Average =	1.26

FUTURE CONDITIONS

FLOW PROJECTIONS

Upon reviewing flow data reported on the Discharge Monitoring Reports from January 2017 through October 2021, the Landfair Wastewater Treatment Plant has historically experienced annual average daily flows of approximately 0.021 MGD, 0.0209 MGD, 0.020 MGD, 0.0273 MGD, and 0.0532 MGD, respectively. The Landfair WWTF service area includes Landfair Multi-Family Housing Development which consists of 76 two-bedroom/one bath apartments; Hilltop Manor Apartments which consists of 33 two bedroom/one bath apartments and 4 one-bedroom/one bath apartments; Hilltop Manor II Apartments which consists of 30 two-bedroom/one bath apartments and 15 one-bedroom/one bath apartments; Penny Park Estates MHP which consists of 27 mobile home units; Villages of Ocala East MHP which consists of 105 mobile home units; Villages of Ocala West MHP which consists of 65 mobile home units; and a Marathon Convenience Store/Retail Gas.

The average ratio of yearly maximum three-month average daily flows to annual average daily flows, as noted above in *SEASONAL VARIATIONS IN FLOW*, is 1.26.

YEAR	POPULATION PROJECTION (Varies)	PROJECTED ANNUAL AVERAGE DAILY FLOW (MGD)	PROJECTED MAXIMUM THREE MONTH AVERAGE DAILY FLOW
2022	~744	0.0532	0.067
2023	~744	0.0532	0.067
2024	~744	0.0532	0.067
2025	~744	0.0532	0.067
2026	~744	0.0532	0.067
2027	~744	0.0532	0.067
2028	~744	0.0532	0.067
2029	~744	0.0532	0.067
2030	~744	0.0532	0.067
2031	~744	0.0532	0.067
2032	~744	0.0532	0.067

SUMMARY

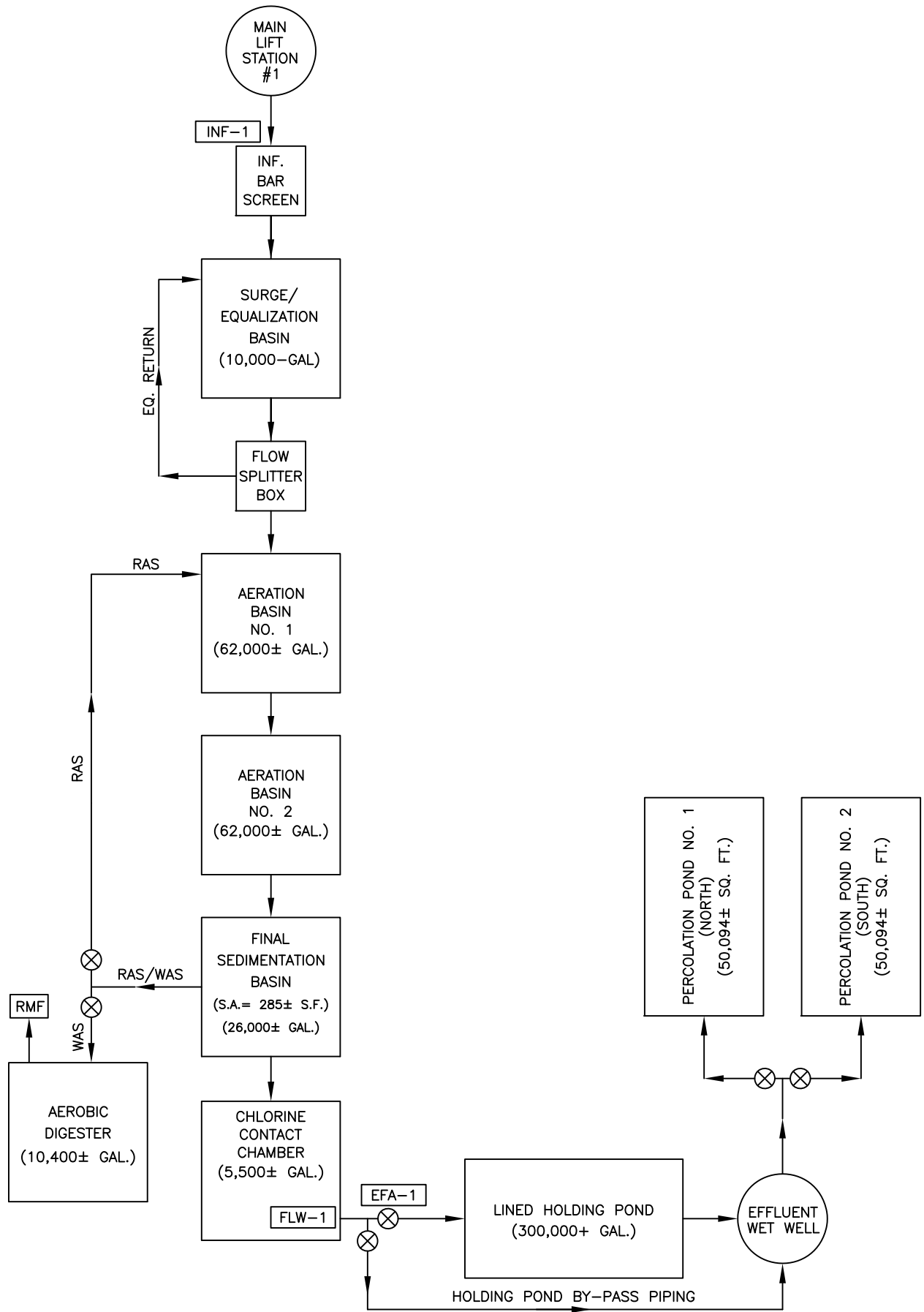
THREE MONTH AVERAGE DAILY FLOW VS PERMITTED CAPACITY

Based upon the review of the Discharge Monitoring Reports (DMRs) from January 2017 through October 2021 for the Landfair Wastewater Treatment Facility (WWTF), the Three Month Average Daily Flow (TMADF) and the Annual Average Daily Flow (AADF) have not exceeded the permitted capacity of the wastewater treatment plant (0.099 MGD AADF) or the permitted capacity of the Reclaimed/Reuse Water Land Application Disposal System (0.099 MGD AADF).

RECOMMENDATION FOR EXPANSION

Based upon the review of the Discharge Monitoring Reports (DMRs) from January 2017 through October 2021 for the Landfair Wastewater Treatment Facility (WWTF), the Annual Average Daily Flow (AADF) to the Landfair WWTF has been between 20.2% and 53.7% of the WWTF's permitted capacity (0.099 MGD AADF) and the permitted capacity of the facility's rapid-rate land application system (0.099 MGD AADF). In addition, the maximum Three Month Rolling Average Daily Flow (TMRADF) to the Landfair WWTF has been between 25.3% and 70.7% of the WWTF's permitted capacity (0.099 MGD AADF). Therefore, based upon our review of the historical wastewater flows, the performance level of the existing WWTF, and the projected flow rates, it is our opinion that the Landfair WWTF will not require expansion within the next five years.

WWTF PROCESS FLOW DIAGRAM

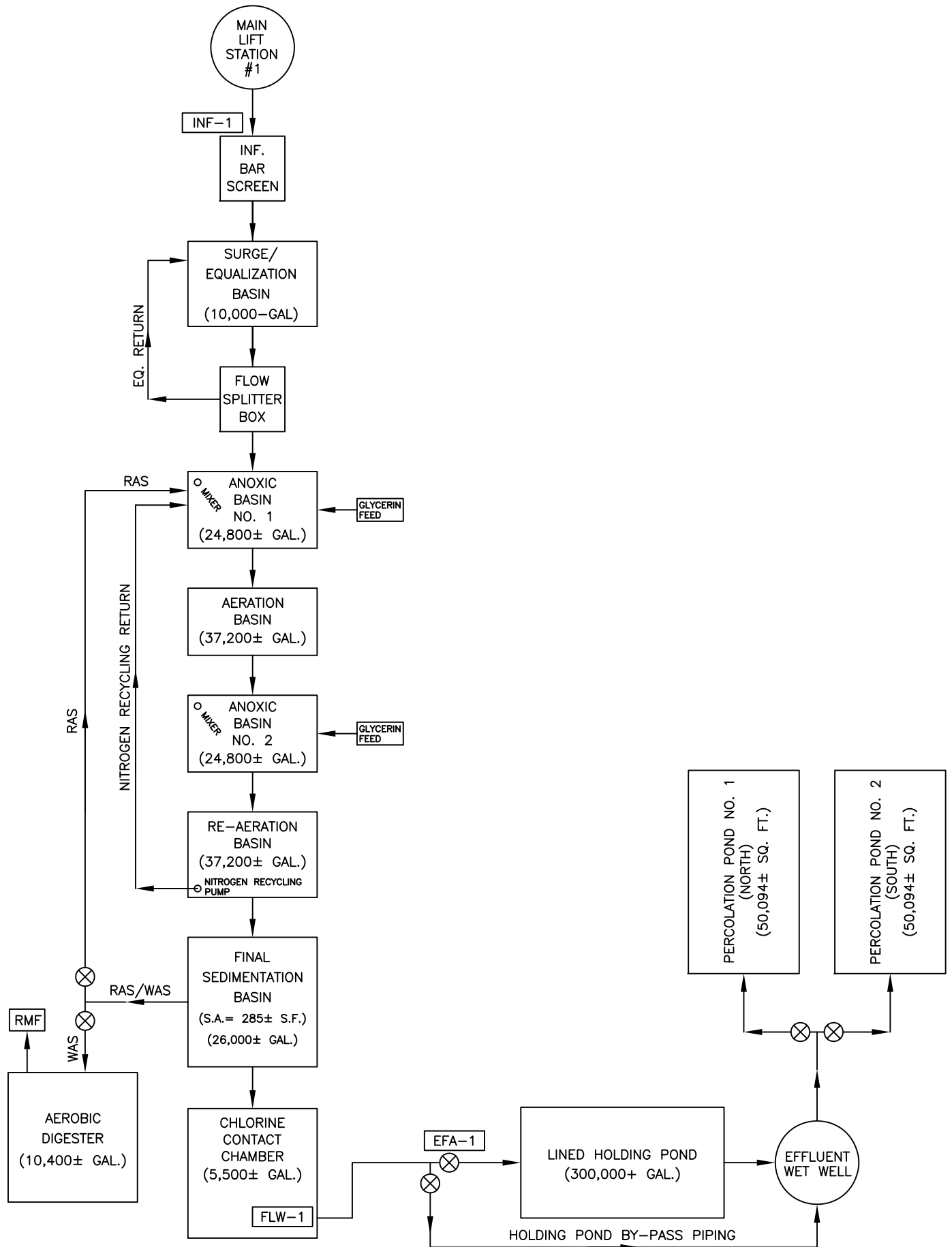


LANDFAIR WWTF
FLA010722
PROCESS FLOW DIAGRAM
(EXISTING)

DNM ENGINEERING & ASSOICATES, INC.

P.O. BOX 42
 Ocala, Florida 34471

FAX (352) 622-6643
 (352) 624-2068



LANDFAIR WWTF
FLA010722
PROCESS FLOW DIAGRAM
(PROPOSED)

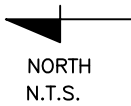
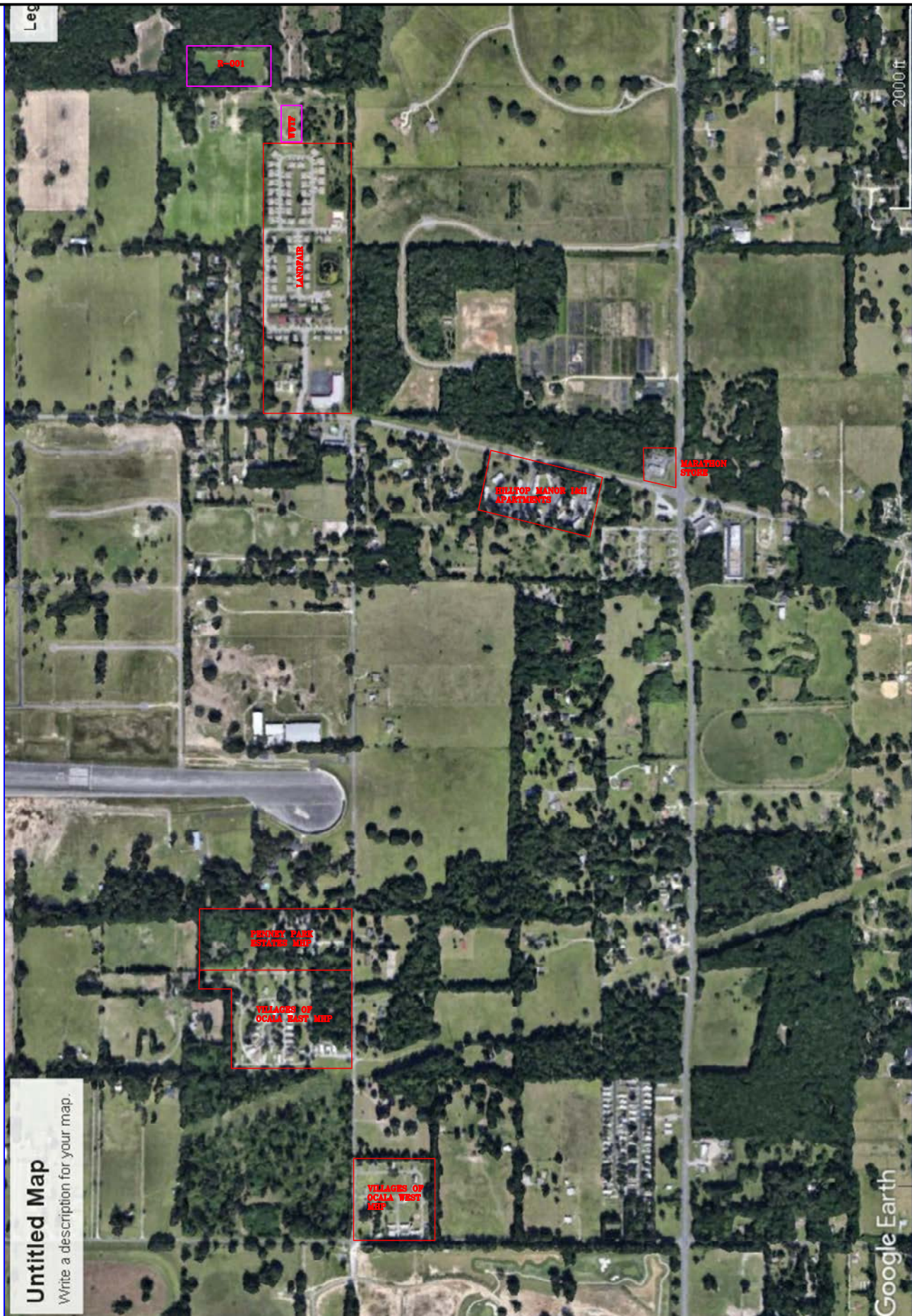
DNM ENGINEERING & ASSOICATES, INC.

P.O. BOX 42
 OCALA, FLORIDA 34471

FAX (352) 622-6643
 (352) 624-2068

SSERVICE AREA MAP

Leg



LANDFAIR WWTF
FLA010722
SERVICE AREA MAP

DNM ENGINEERING & ASSOCIATES, INC.

P.O. BOX 42 FAX (352) 629-2988
OCALA, FLORIDA 34478 (352) 624-2068

OPERATION AND MAINTENANCE PERFORMANCE REPORT

OPERATION AND MAINTENANCE PERFORMANCE REPORT

FOR THE LANDFAIR WASTEWATER TREATMENT FACILITY

**INTERSECTION OF N.E. 28TH PLACE & N.E. 23RD COURT
OCALA, MARION COUNTY, FLORIDA**

GMS Identification Number:	FLA010722-007-DW3P
Operation Permit Number :	FLA010722
Expiration Date:	April 9, 2022
Field Evaluation Conducted:	August 9, 2021 August 26, 2021

Prepared by:



**P.O. Box 42
Ocala, Florida 34478**

**August 31, 2021
December 28, 2021 (Updated)**

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CERTIFICATIONS

PERMITTEE:

Charles DeMenzes, President
CFAT H2O, Inc.
P.O. Box 5220
Ocala, Florida 34478-5220
(352) 622-4949

As the responsible authority for the *Landfair WWTF*, the undersigned certifies that he/she is fully aware of and intends to comply with the recommendations and schedules included herein.

Date: 12/28/2021

Signature of Responsible Authority:

Charles deMenzes

OPERATOR:

Reuben Law (B-12483)
R and K Environmental, LLC
4275 Northeast 137th Street
Anthony, Florida 32617
(352) 661-8952
randkenvironmental@outlook.com

As the operator for the *Landfair WWTF*, the undersigned certifies that he/she has reviewed and is fully aware of the recommendations and schedules included in the report.

Date:

Signature of Operator:

ENGINEER:

Douglas A. VanDeursen, P.E.
DNM Engineering and Associates, Inc.
P.O. Box 42
Ocala, Florida 34478
(352) 624-2068

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, that the recommendations and schedules have been discussed with the permittee or the permittee's delegated representative and with the operator, and that if the recommended schedules for corrective action are met, the facilities, when properly operated and maintained, will comply with the applicable statutes of the State of Florida and rules of the Department of Environmental Protection.

Signature of Engineer:

Florida Registration No.:

Date:



This document has been signed and sealed by Douglas A. VanDeursen, P.E. on 12-31-2021 using an "SHA" Authentication Code. Printed copies of this document are not considered signed and sealed and the "SHA" Authentication Code must be verified on any electronic copies.

INTRODUCTION

GENERAL

This is an operation & maintenance performance report for the wastewater treatment plant that serves the following properties located in Ocala, Marion County, Florida:

1) **Landfair Multi-Family Subdivision**
Intersection of N.E. 78th Street & N.E. Jacksonville Road

Seventy-six (76) Multi-Family Duplexes (2 Bedroom/2 Bath)
Community Center

2) **Hilltop Manor Apartments**
7334 N.E. Jacksonville Road

33 - 2 Bedroom/1 Bath Apartments
4 - 1 Bedroom/1 Bath Apartments
Office, Laundry Facility, Storage

3) **Hilltop Manor II Apartments**
7334 N.E. Jacksonville Road

30 - 2 Bedroom/1 Bath Townhouses
15 - 1 Bedroom/1 Bath Townhouses
Laundry Facility

4) **Penny Park Estates MHP**
1001 N.E. 77th Street

27 Mobile Home Spaces (20 vacant spaces)

5) **Villages of Ocala East MHP**
751 N.E. 77th Lane

105 Mobile Home Spaces (63 vacant spaces)
Recreation Building
Office

6) **Villages of Ocala West MHP**
370 N.E. 76th Lane

65 Mobile Homes Spaces (37 vacant spaces)

7) **Marathon Convenience Store/Retail Gas Station**
7025 N.E. Jacksonville Road

3,200+/- Square feet Convenience Store

The Landfair Wastewater Treatment Facility is located within the Landfair Multi-Family Subdivision at the midpoint of N.E. 77th Loop which intersects N.E. 22nd Terrace. The current permit expires on April 9, 2022.

DESCRIPTION OF FACILITIES

Wastewater Treatment Plant

The domestic wastewater treatment plant (WWTP) consists of a 0.099 MGD concrete modular package plant. The WWTP consists of a flow equalization basin, aeration, secondary clarification, chlorination and aerobic digestion of residuals. The permitted capacity of the WWTP is currently limited to 0.099 MGD Annual Average Daily Flow (AADF). The WWTP is an activated sludge process, which utilizes an extended aeration system. The components of the plant are as follows:

- (1) Influent Bar Screen
- (2) Flow equalization basin with a total volume of 10,000+/- gallons with Flow Splitter Box and duplex submersible equalization pumps and controls.
- (2) 20.0 HP, 3-Phase (208-230V/460V), 1760 RPM Motor and Roots Model 68-URAI blower assemblies for the delivery of air mixing and oxygen requirements.
- (2) Aeration basins with a total volume of 124,000+/- gallons.
- (1) Settling basin with a total volume of 26,000+/- gallons w/ sludge hopper, scum removal and effluent weir.
- (1) Aerobic sludge holding tanks with a total volume of 10,400+/- gallons.
- (1) Chlorine contact basin with a total volume of 5,500+/- gallons for disinfection.
- (1) Stevens Model #61R Effluent Flow Meter & V-Notch Weir.
- (1) Stenner 17 GPD, 115V Chemical Feeder Pump for the delivery of sodium hypochlorite solution for disinfection purposes.

Reclaimed/Reuse Water Land Application of Effluent

The treated effluent is applied to the 0.099 MGD AADF on-site rapid rate land application system consisting of the following:

- (2) Percolation/evaporation ponds with total bottom area of 100,188+/- ft² (2.3+/- Acres).

Residuals Disposal

Aerated sludge storage is provided to accommodate daily sludge production. Supernatant from the holding tank is returned to the aeration basin, via portable pump, to increase solids concentration within the tank. As needed, American Pipe and Tank d/b/a/ 412 Biosolids Processing Facility removes residuals from the aerobic sludge holding tank and hauls them off-site to be treated at a permitted Type II Residuals Management Facility (Permit No.: FLA356697-001-DW2S) by lime stabilization and land applied or disposed of in a Class I or II solid waste landfill.

CONDITION OF FACILITIES

WASTEWATER TREATMENT FACILITY

Causes for safety concerns regarding the operation or features of the facility were not evident.

<u>Component</u>	<u>Structure Condition</u>	<u>Equipment Condition</u>	<u>Piping Condition</u>	<u>Remarks</u>
General	Good	N/A	Good	Facility secured by chain link fencing with locked gate. Records located at the facility.
Collection System	Unknown	N/A	Unknown	The WWTF appears to be experiencing I&I from the existing collection systems due to increased flows during rain events.
Lift Stations	Good	Good	Good	Elapsed time meters (ETMs) at the lift stations need to be evaluated for repair/replacement in order to determine which collection systems need to be evaluated for I&I issues/repairs.
RPZ	Good	Good	Good	None noted.
Surge/Equalization Basins	Good	Good	Good	None noted.
Aeration Basins	Good	Good	Good	Good mixing and color.
Blower(s) & Air Piping	Good	Good	Good	Dual blower assemblies for WWTF are in operation and working properly. Air headers, valves and diffusers in good condition overall.
Clarifier	Good	Good	Good	Some pop-ups observed and effluent over weir was clear at time of site evaluations.
Cl ₂ Contact Basin	Good	Good	Good	Effluent was clear.
Effluent Flow Meter	Good	Good	Good	None noted
Aerobic Digester	Good	Good	Good	None noted.
Lined Holding Pond	Good	N/A	Good	Vegetation and solids need to be removed from holding pond. Currently being by-passed to allow pond to dry out for maintenance.
Effluent Wet Well	Good	Good	Good	None noted.

RECLAIMED/REUSE WATER LAND APPLICATION SYSTEM

Treated effluent is discharged to an on-site land application system consisting of the following:

<u>Component</u>	<u>Structure Condition</u>	<u>Equipment Condition</u>	<u>Piping Condition</u>	<u>Remarks</u>
Rapid Infiltration Basin	Good	Good	Good	Well maintained. Several Sprinkler heads were not operating and need to be evaluated for repair/replacement.

TREATMENT EFFICIENCY

TREATMENT UNITS

Flow Equalization

Raw sewage enters the equalization basin via force main from the lift station where it is agitated by diffused air. Once the sewage reaches the desired volume it is pumped into a splitter box with adjustable weir which allows the operator to direct the raw sewage to the aeration basin at the desired flow rate. Excess wastewater overflows back into the equalization basin.

Aeration

Raw sewage enters the aeration basins where it is mixed with activated sludge returning from the clarifier. The sewage is thoroughly agitated by diffused air bubbling up through the liquid, causing it to mix as well as to become oxidized. During this process, the raw sewage is absorbed by the activated sludge, transforming into activated sludge itself. Flow proceeds by gravity from the inlet point, through the tank system, and into the clarifier system.

Settling

Mixed liquor suspended solids entering the settling system enters through an opening into the stilling well in the settling tank. The stilling well allows the MLSS to move slowly to the bottom of the clarifier, where solids settle. The clear liquid rises on the opposite side of the baffle and is further filtered by a layer of biological sludge which is generally visible 4 to 5 feet below the surface in the final settling compartment. Clarified effluent then overflows the effluent weir, where it is collected and routed to the disinfection basin.

A scum baffle in front of the weir serves as a precaution against hydraulic surges which may carry solids over the weir up through the sludge blanket. Particles carried to the surface of the final tanks are removed by skimmers.

Concentrated sludge (return activated sludge) is removed from the bottom of the clarifier by an air lift pump. This sludge is normally piped to the aeration system, where it is mixed with the incoming raw influent. This sludge immediately begins attacking the raw sewage. These sludge lines operate continuously.

When plant solids need to be reduced, concentrated sludge (waste activated sludge) from the clarifier's air lift pump is routed to the sludge digester, rather than to the aeration system. A pair of valves on the return sludge line allows this redirection.

Disinfection

Disinfection of the clarified effluent by hypochlorination is made by the addition of a sodium hypochlorite solution to the entrance of the chlorine contact basin. This is followed by sufficient time in the chlorine contact basin to reduce pathogen content to required levels.

Land Application System

Disinfected plant effluent flows via two alternating dosing pumps from the chlorine contact basin to a distribution box within the rapid infiltration basin system consisting of two percolation/evaporation ponds. Flow is diverted to the ponds by plugging either outfall piping within the distribution box.

Sludge Digestion

Waste (excess) sludge is routed to the aerobic sludge digester, for volume reduction by long-term aeration. When sludge must be removed, it is accomplished by a scavenger truck, then lime stabilized and land applied.

TREATMENT LEVELS

The treatment level is monitored for the following permitted limitations:

<u>Parameter</u>	<u>Permitted Levels</u>	<u>Frequency</u>
<u>WWTF</u>		
Flow	0.099 MGD AADF	Effluent Flow Meter / 5 Days/Week
CBOD ₅ (influent)	Report annually	Grab annually
CBOD ₅ (effluent)	60.0 mg/L single maximum 45.0 (mg/L) weekly average 30.0 (mg/L) monthly average 20 mg/L annual average	Grab monthly
TSS (influent)	Report annually	Grab annually
TSS (effluent)	60 mg/L single maximum 45.0 (mg/L) weekly average 30.0 (mg/L) monthly average 20 mg/L annual average	Grab monthly
Fecal coliform (effluent)	200/100 mL annual average 200/100 mL monthly geometric mean 800/100 mL maximum sample	Grab monthly
TRC (effluent)	0.5 mg/L any one sample (minimum)	Grab/ 5 days per week
Nitrate, Total as N	12.0 mg/L any one sample (maximum)	Grab Annually
Nitrogen, Total (Final)	3.0 (mg/L) Annual Average Report (mg/L) Monthly Average	Monthly
Phosphorus, Total (as P)	Report (mg/L) Annual Average Report (mg/L) Monthly Average	Monthly
pH	6.00-8.50	Grab/ 5 days per week

INFLUENT / EFFLUENT MONITORING

In accordance with the current facility permit, flow measurements are to be taken from the effluent V-notch weir and totalizer flow meter (FLW-1) located at the chlorine contact chamber of WWTF. The Effluent V-notch Weir and Totalizing Flow Meter are to be calibrated at least annually.

Influent samples (INF-1) (CBOD₅ and TSS) are taken annually at the headworks of the treatment plant and do not include return activated sludge

Effluent samples (EFA-1) are taken monthly after disinfection and prior to discharge to the evaporation/percolation pond.

OVERALL

During the periods reviewed (January 2017 – July 2021) by DNM Engineering & Associates, Inc., the effluent parameters have met the flow and effluent requirements under the current operating permit with the exception of the following:

- May 2017: Fecal Coliform concentration exceeded the single sample maximum concentration of 800/100mL (8,100/100mL).
- May 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).

Landfair Wastewater Treatment Facility

- June 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- July 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Aug. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Sept. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Oct. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Nov. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.25/100mL).
- Dec. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.25/100mL).
- Jan. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Feb. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Mar. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Apr. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Aug. 2018: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (34.0 mg/L).
- Jan. 2019: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- July 2019: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- Jan. 2020: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- Feb. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (36.0 mg/L).
- Mar. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (117.0 mg/L).
- Mar. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.5 mg/L).
- Apr. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.67 mg/L).
- May 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (68.0 mg/L).
- May 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (29.08 mg/L).
- June 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (30.08 mg/L).

Landfair Wastewater Treatment Facility

- July 2020: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- July 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (36.0 mg/L).
- July 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (31.92 mg/L).
- Aug. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (80.0 mg/L).
- Aug. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.5 mg/L).
- Sept. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (38.08 mg/L).
- Oct. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Nov. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.67 mg/L).
- Nov. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Dec. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.59 mg/L).
- Dec. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Jan. 2021: Annual influent samples for CBOD₅; TSS; Nitrogen, Nitrate, Total (as N) were not performed.
- Jan. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.20 mg/L).
- Jan. 2021: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (34.0 mg/L).
- Jan. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (40.17 mg/L).
- Feb. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.32 mg/L).
- Feb. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (38.83 mg/L).
- Mar. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.78 mg/L).
- Mar. 2021: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (53.0 mg/L).
- Mar. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (33.50 mg/L).
- Apr. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.72 mg/L).
- Apr. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (32.83 mg/L).

Landfair Wastewater Treatment Facility

- May 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (13.51 mg/L).
- May 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (28.71 mg/L).
- June 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.43 mg/L).
- June 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (27.38 mg/L).
- July 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (9.35 mg/L).
- July 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.54 mg/L).
- Aug. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.33 mg/L).
- Sept. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.39 mg/L).
- Oct. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.52 mg/L).

PERFORMANCE TRENDS

GENERAL

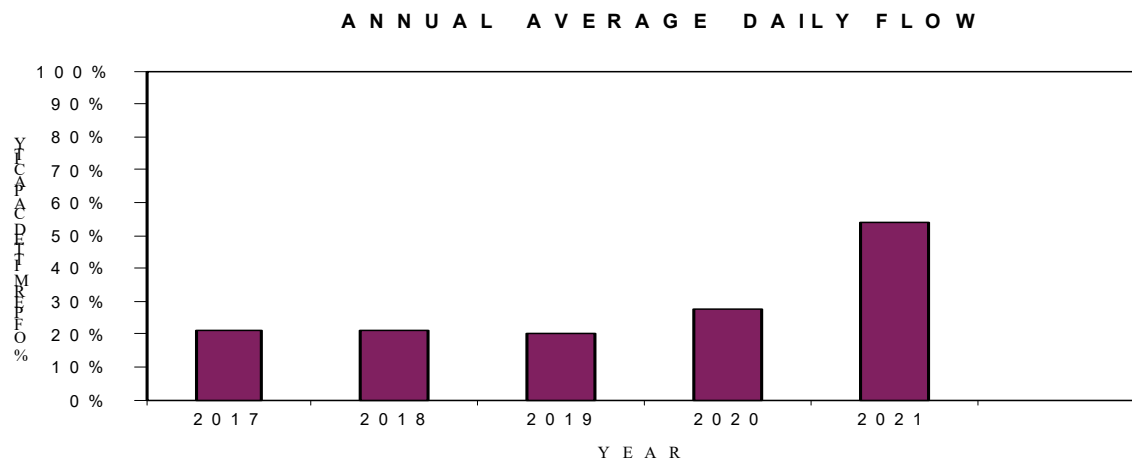
A review of the Monthly Discharge Monitoring Reports (DMRs) and Operators Log shows no indication of any untreated bypasses and discharges or overflows from the collection system or the treatment facilities.

INFLUENT

Annual Average Daily Flows

The following information is taken from Monthly Discharge Monitoring Reports.

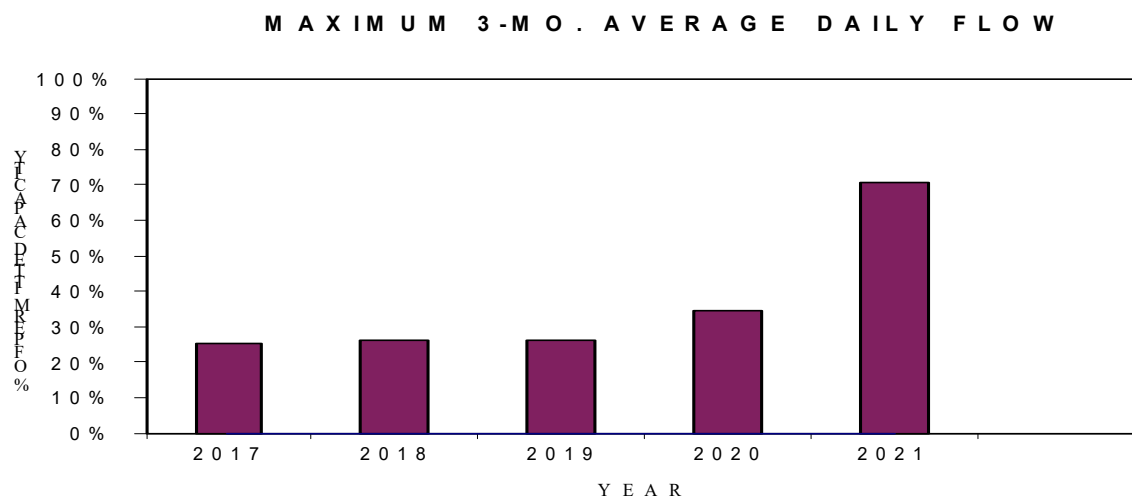
Y E A R	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	A V E R A G E D A I L Y F L O W (M G D)
2 0 1 7	2 1 %	0 . 0 2 1
2 0 1 8	2 1 %	0 . 0 2 0 9
2 0 1 9	2 0 %	0 . 0 2 0
2 0 2 0	2 8 %	0 . 0 2 7 3
2 0 2 1	5 4 %	0 . 0 5 3



Maximum Three-Month Average Daily Flows

The following information is taken from Monthly Discharge Monitoring Reports.

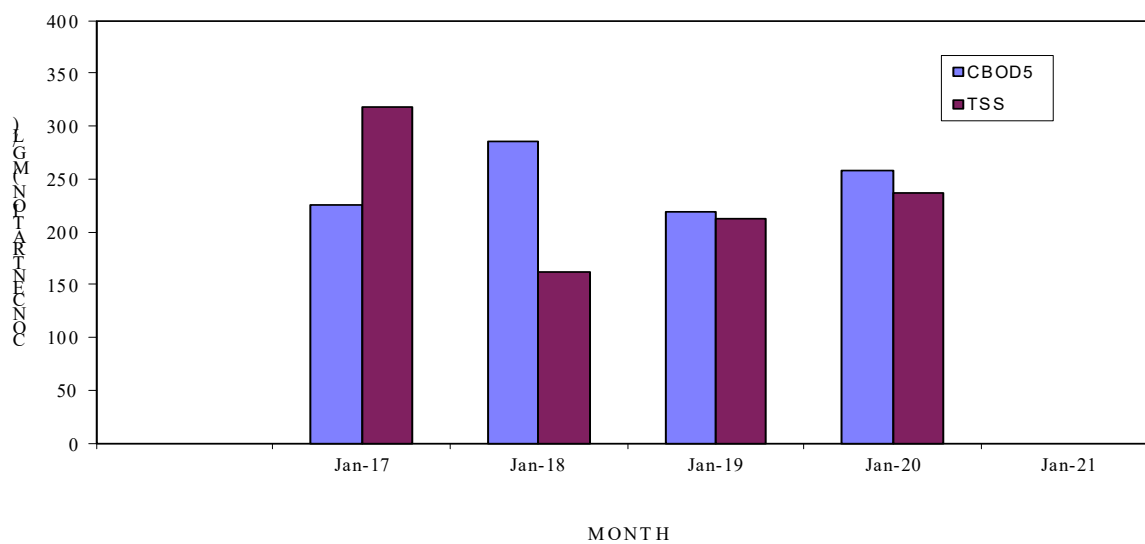
Y E A R	P E R C E N T A G E O F P E R M I T T E D C A P A C I T Y	M A X I M U M 3 - M A D F F L O W (M G D)
2 0 1 7	2 5 %	0 . 0 2 5
2 0 1 8	2 6 %	0 . 0 2 6
2 0 1 9	2 6 %	0 . 0 2 6
2 0 2 0	3 4 %	0 . 0 3 4
2 0 2 1	7 1 %	0 . 0 7 0



CBOD₅ (Influent), TSS (Influent), Grab Samples, January 2017 – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

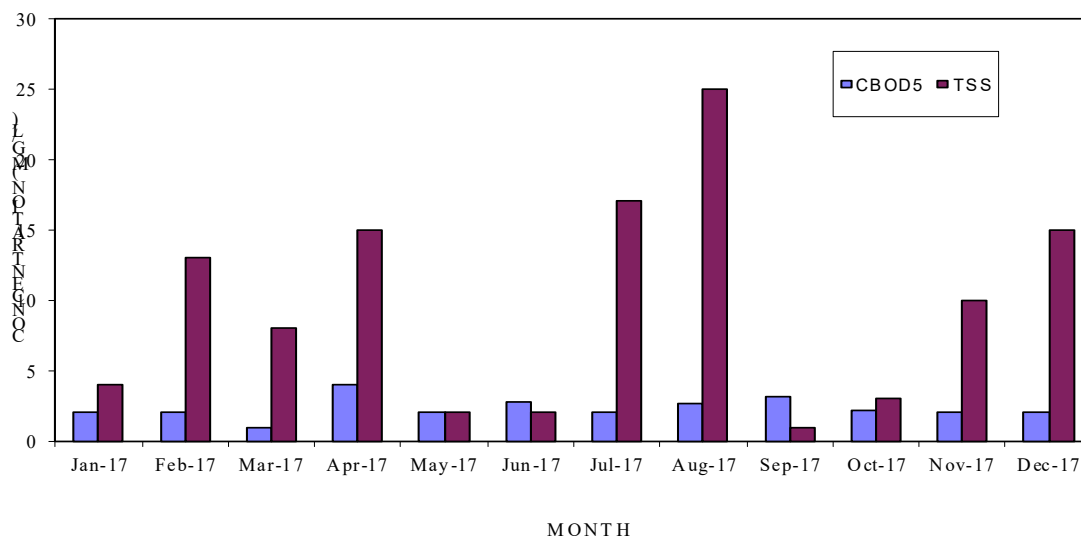
	CBOD₅	TSS
	mg/L	mg/L
Jan-17	225	318
Jan-18	285	162
Jan-19	218	212
Jan-20	257	236
Jan-21		
Average	246.3	232



EFFLUENT**CBOD₅ (Effluent), TSS (Effluent), Monthly Average, January – December 2017**

The following information is taken from Monthly Discharge Monitoring Reports.

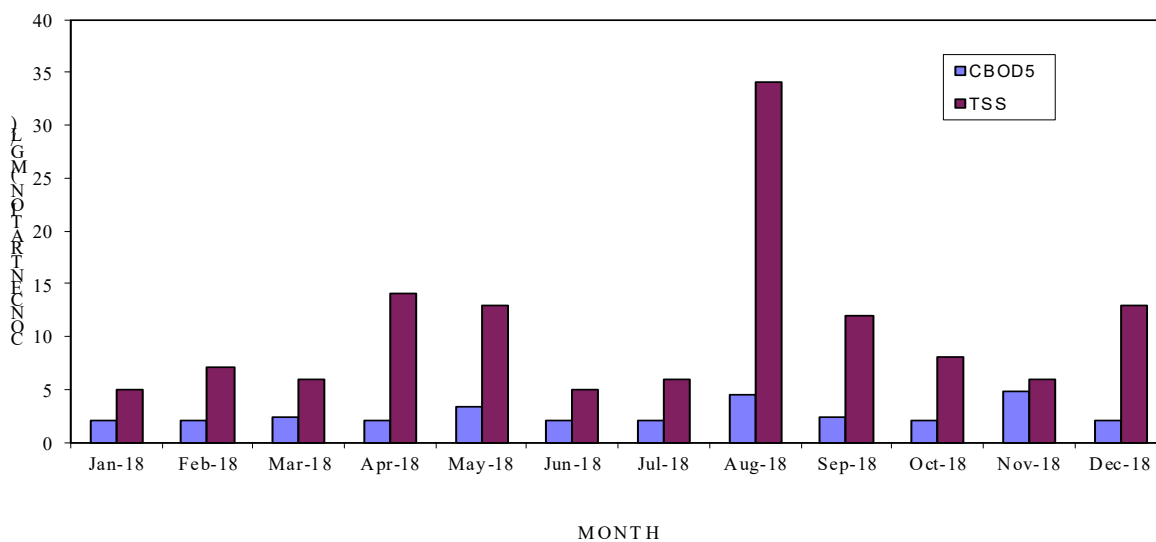
	CBOD ₅ mg/L	TSS mg/L
Jan-17	2.00	4.00
Feb-17	2.00	13.00
Mar-17	1.00	8.00
Apr-17	4.00	15.00
May-17	2.00	2.00
Jun-17	2.80	2.00
Jul-17	2.00	17.00
Aug-17	2.70	25.00
Sep-17	3.20	1.00
Oct-17	2.20	3.00
Nov-17	2.00	10.00
Dec-17	2.00	15.00
Average	2.33	9.58



CBOD₅ (Effluent), TSS (Effluent), Monthly Average, January – December 2018

The following information is taken from Monthly Discharge Monitoring Reports.

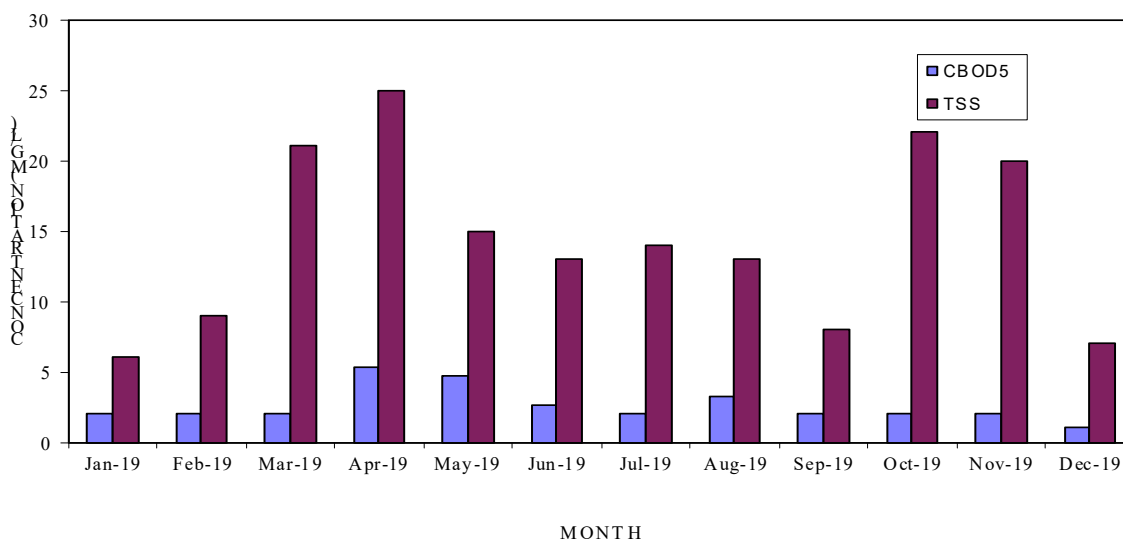
	CBOD ₅ mg/L	TSS mg/L
Jan-18	2.00	5.00
Feb-18	2.00	7.00
Mar-18	2.40	6.00
Apr-18	2.00	14.00
May-18	3.30	13.00
Jun-18	2.00	5.00
Jul-18	2.00	6.00
Aug-18	4.40	34.00
Sep-18	2.30	12.00
Oct-18	2.00	8.00
Nov-18	4.80	6.00
Dec-18	2.00	13.00
Average	2.60	10.75



CBOD₅ (Effluent), TSS (Effluent), Monthly Average, January – December 2019

The following information is taken from Monthly Discharge Monitoring Reports.

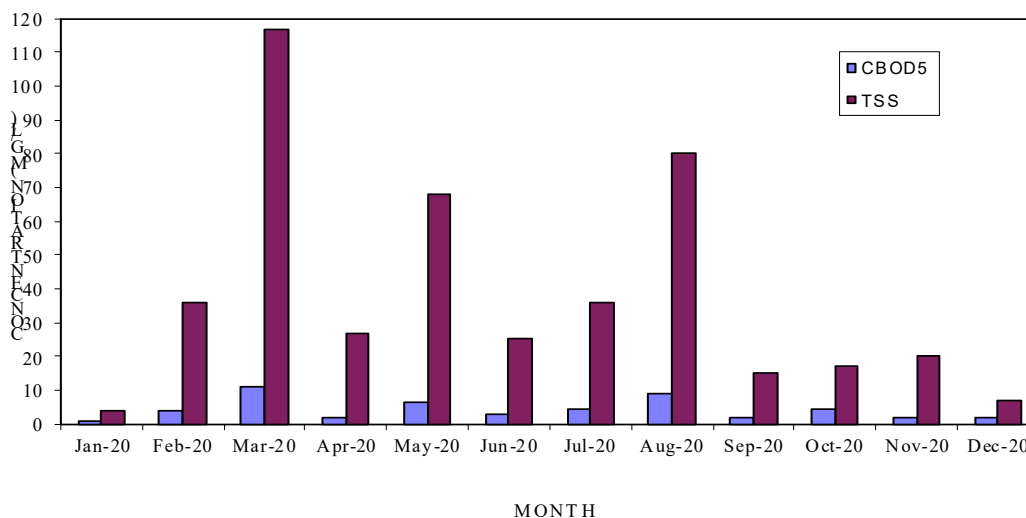
	CBOD ₅ mg/L	TSS mg/L
Jan-19	2.00	6.00
Feb-19	2.00	9.00
Mar-19	2.00	21.00
Apr-19	5.30	25.00
May-19	4.70	15.00
Jun-19	2.60	13.00
Jul-19	2.00	14.00
Aug-19	3.20	13.00
Sep-19	2.00	8.00
Oct-19	2.00	22.00
Nov-19	2.00	20.00
Dec-19	1.00	7.00
Average	2.57	14.42



CBOD₅ (Effluent), TSS (Effluent), Monthly Average, January – December 2020

The following information is taken from Monthly Discharge Monitoring Reports.

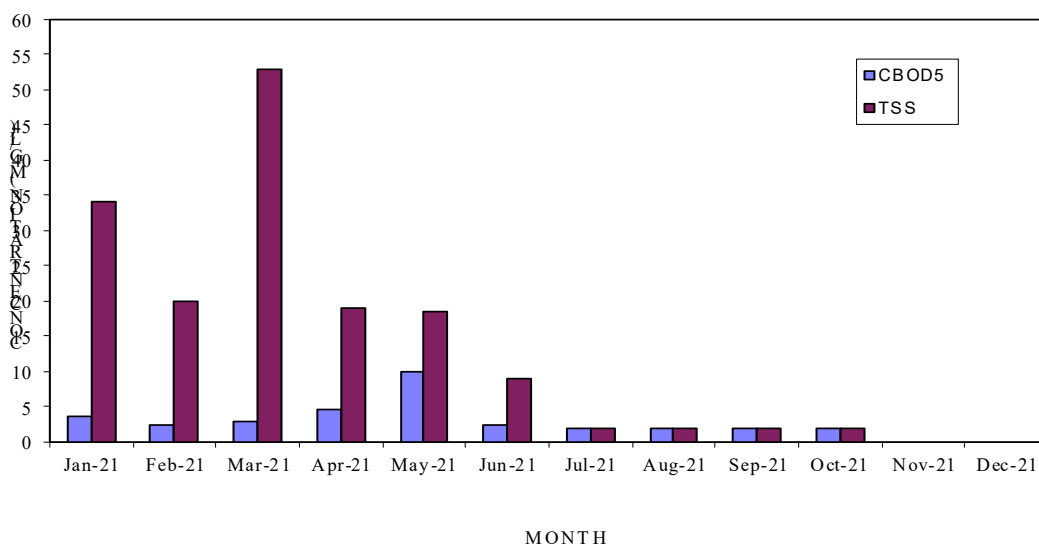
	CBOD ₅ mg/L	TSS mg/L
Jan-20	1.00	4.00
Feb-20	3.80	36.00
Mar-20	11.00	117.00
Apr-20	2.00	27.00
May-20	6.30	68.00
Jun-20	2.70	25.00
Jul-20	4.40	36.00
Aug-20	9.00	80.00
Sep-20	2.00	15.00
Oct-20	4.20	17.00
Nov-20	2.00	20.00
Dec-20	2.00	7.00
Average	4.20	37.67



CBOD₅ (Effluent), TSS (Effluent), Monthly Average, January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

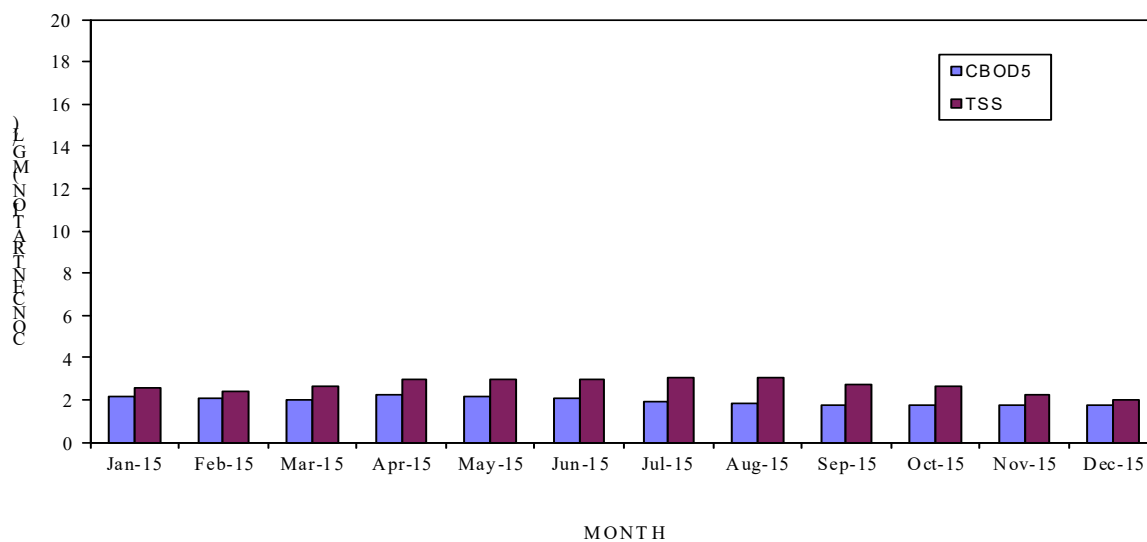
	CBOD ₅ mg/L	TSS mg/L
Jan-21	3.70	34.00
Feb-21	2.40	20.00
Mar-21	3.00	53.00
Apr-21	4.50	19.00
May-21	10.00	18.50
Jun-21	2.40	9.00
Jul-21	2.00	2.00
Aug-21	2.00	2.00
Sep-21	2.00	2.00
Oct-21	2.00	2.00
Nov-21		
Dec-21		
Average	3.40	16.15



CBOD₅ (Effluent), TSS (Effluent), Rolling Annual Average, January – Dec. 2018

The following information is taken from Monthly Discharge Monitoring Reports.

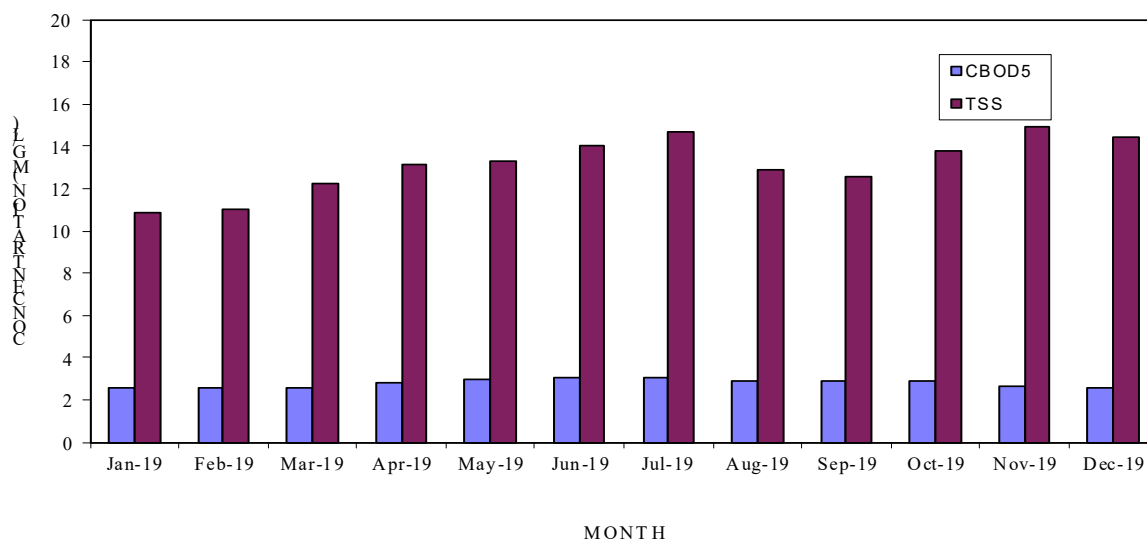
	CBOD ₅ mg/L	TSS mg/L
Jan-15	2.17	2.60
Feb-15	2.08	2.38
Mar-15	2.00	2.65
Apr-15	2.25	2.97
May-15	2.17	2.97
Jun-15	2.08	2.97
Jul-15	1.92	3.08
Aug-15	1.83	3.08
Sep-15	1.75	2.69
Oct-15	1.75	2.64
Nov-15	1.75	2.27
Dec-15	1.75	1.96
Average	1.96	2.69



CBOD₅ (Effluent), TSS (Effluent), Rolling Annual Average, January – Dec. 2019

The following information is taken from Monthly Discharge Monitoring Reports.

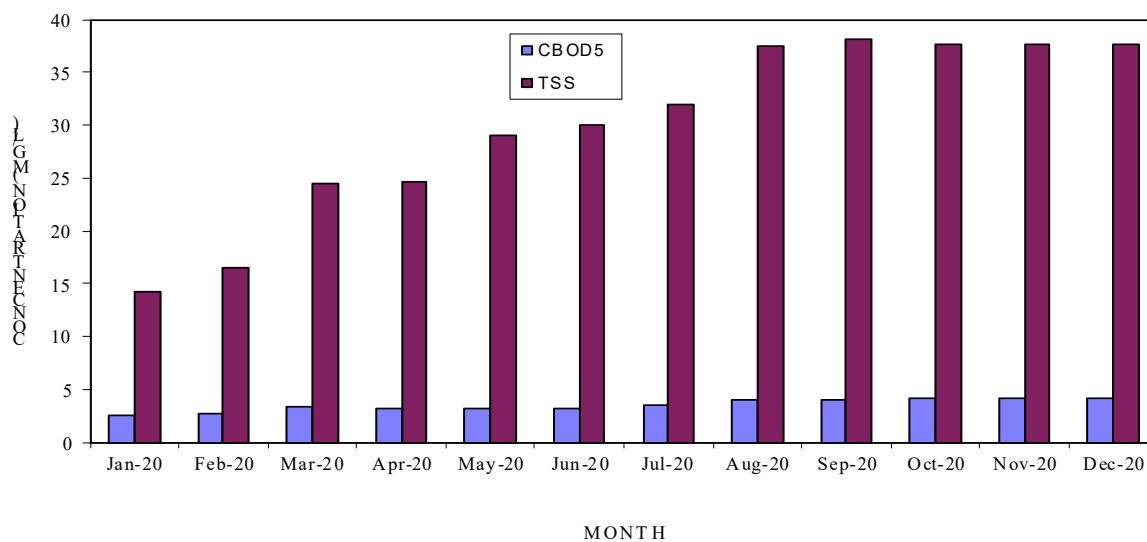
	CBOD ₅ mg/L	TSS mg/L
Jan-19	2.60	10.83
Feb-19	2.60	11.00
Mar-19	2.57	12.25
Apr-19	2.84	13.17
May-19	2.96	13.33
Jun-19	3.01	14.00
Jul-19	3.01	14.67
Aug-19	2.91	12.92
Sep-19	2.88	12.58
Oct-19	2.88	13.75
Nov-19	2.65	14.92
Dec-19	2.57	14.42
Average	2.79	13.15



CBOD₅ (Effluent), TSS (Effluent), Rolling Annual Average, January – Dec. 2020

The following information is taken from Monthly Discharge Monitoring Reports.

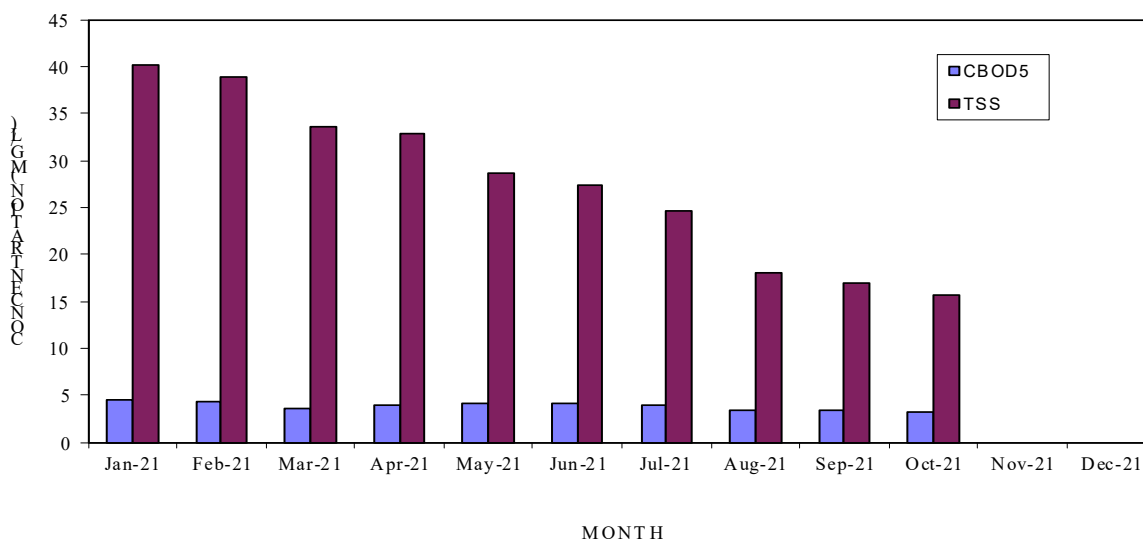
	CBOD₅	TSS
	mg/L	mg/L
Jan-20	2.48	14.25
Feb-20	2.63	16.50
Mar-20	3.38	24.50
Apr-20	3.11	24.67
May-20	3.24	29.08
Jun-20	3.25	30.08
Jul-20	3.45	31.92
Aug-20	3.93	37.50
Sep-20	3.93	38.08
Oct-20	4.12	37.67
Nov-20	4.12	37.67
Dec-20	4.20	37.67
Average	3.49	29.97



CBOD₅ (Effluent), TSS (Effluent), Rolling Annual Average, January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

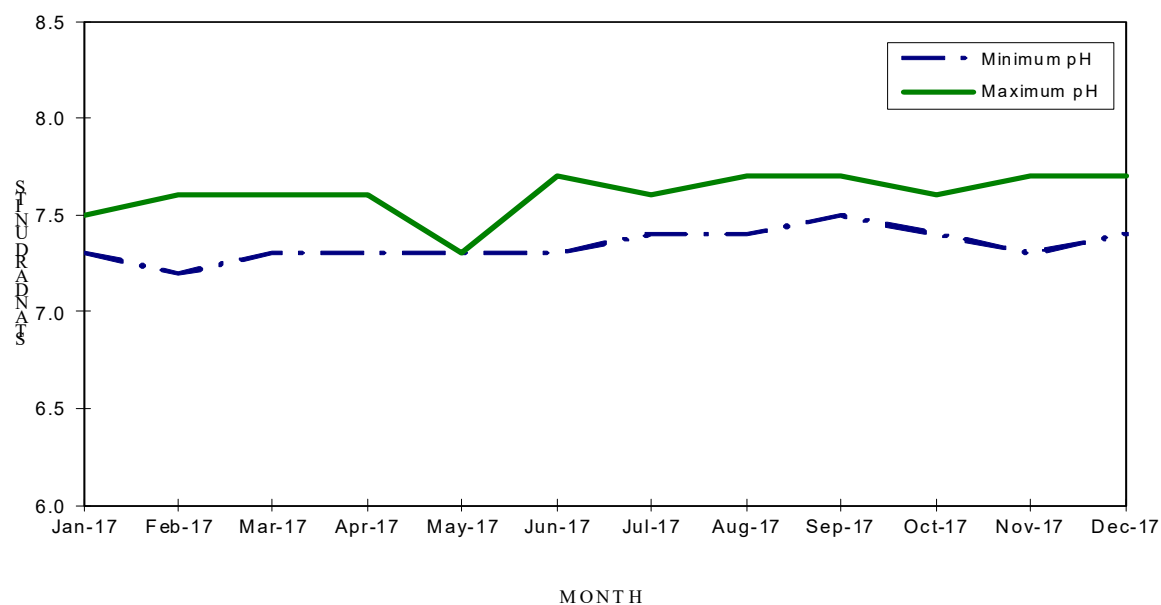
	CBOD ₅ mg/L	TSS mg/L
Jan-21	4.43	40.17
Feb-21	4.31	38.83
Mar-21	3.64	33.50
Apr-21	3.85	32.83
May-21	4.16	28.71
Jun-21	4.13	27.38
Jul-21	3.93	24.54
Aug-21	3.35	18.04
Sep-21	3.35	16.96
Oct-21	3.17	15.71
Nov-21		
Dec-21		
Average	3.83	27.67



pH Variation, January – December 2017

The following information is taken from Monthly Discharge Monitoring Reports.

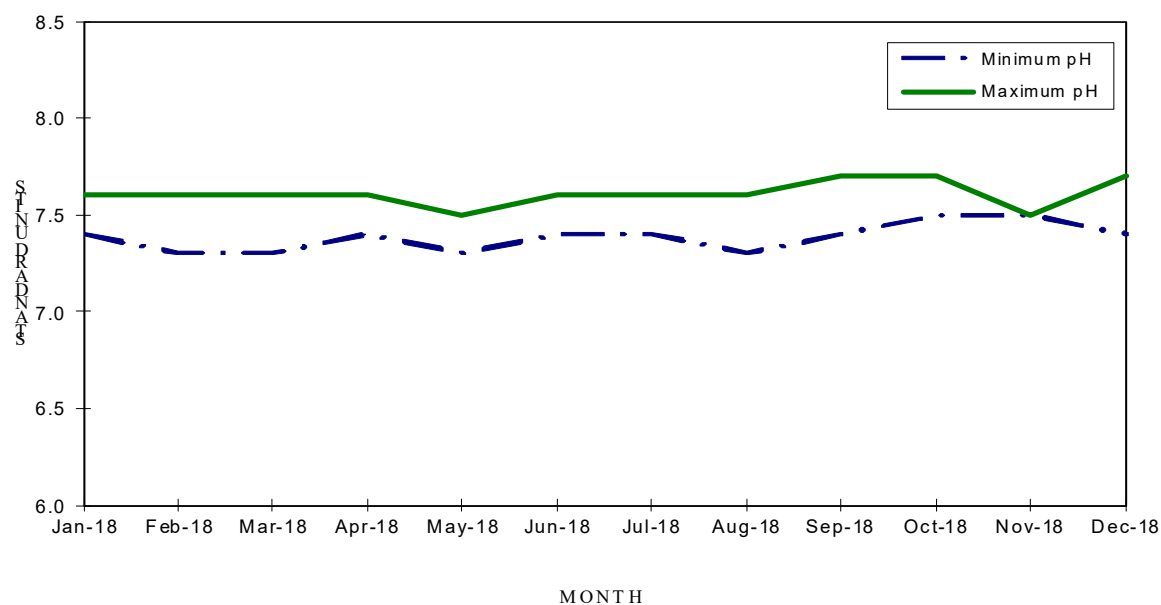
	Minimum Std. Units	Maximum Std. Units
Jan-17	7.3	7.5
Feb-17	7.2	7.6
Mar-17	7.3	7.6
Apr-17	7.3	7.6
May-17	7.3	7.3
Jun-17	7.3	7.7
Jul-17	7.4	7.6
Aug-17	7.4	7.7
Sep-17	7.5	7.7
Oct-17	7.4	7.6
Nov-17	7.3	7.7
Dec-17	7.4	7.7
Average	7.3	7.6



pH Variation, January – December 2018

The following information is taken from Monthly Discharge Monitoring Reports.

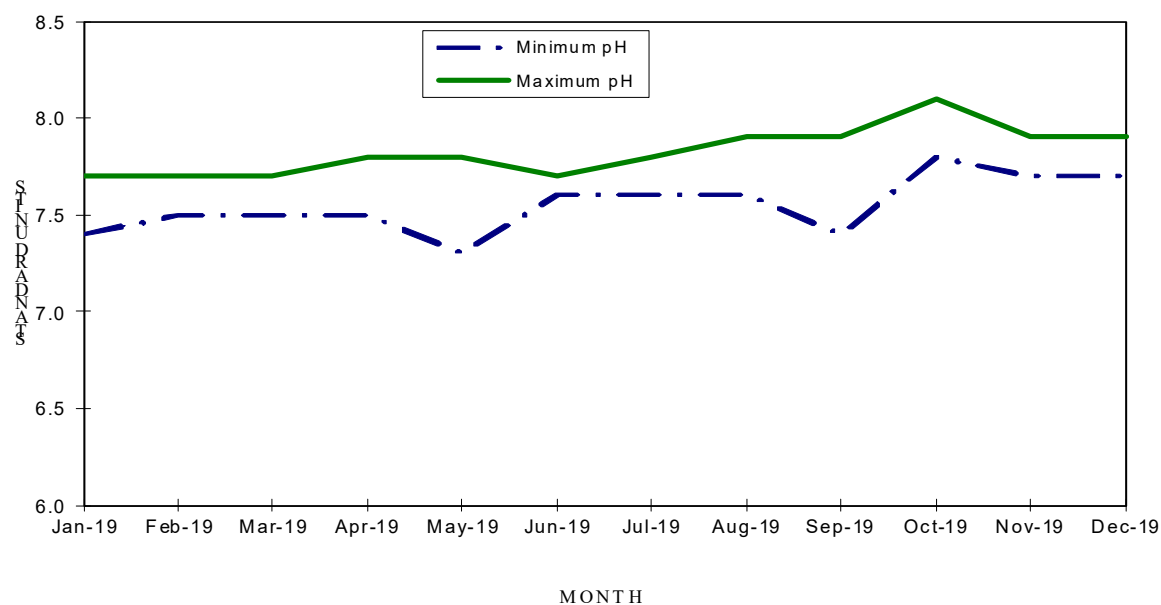
	Minimum Std. Units	Maximum Std. Units
Jan-18	7.4	7.6
Feb-18	7.3	7.6
Mar-18	7.3	7.6
Apr-18	7.4	7.6
May-18	7.3	7.5
Jun-18	7.4	7.6
Jul-18	7.4	7.6
Aug-18	7.3	7.6
Sep-18	7.4	7.7
Oct-18	7.5	7.7
Nov-18	7.5	7.5
Dec-18	7.4	7.7
Average	7.4	7.6



pH Variation, January – December 2019

The following information is taken from Monthly Discharge Monitoring Reports.

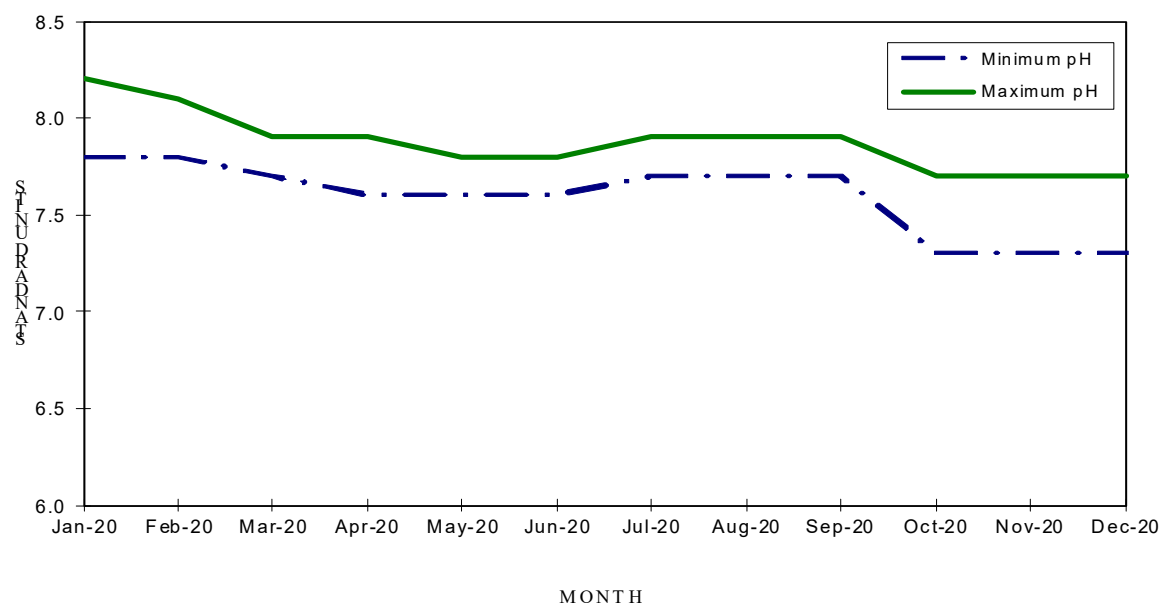
	Minimum Std. Units	Maximum Std. Units
Jan-19	7.4	7.7
Feb-19	7.5	7.7
Mar-19	7.5	7.7
Apr-19	7.5	7.8
May-19	7.3	7.8
Jun-19	7.6	7.7
Jul-19	7.6	7.8
Aug-19	7.6	7.9
Sep-19	7.4	7.9
Oct-19	7.8	8.1
Nov-19	7.7	7.9
Dec-19	7.7	7.9
Average	7.6	7.8



pH Variation, January – December 2020

The following information is taken from Monthly Discharge Monitoring Reports.

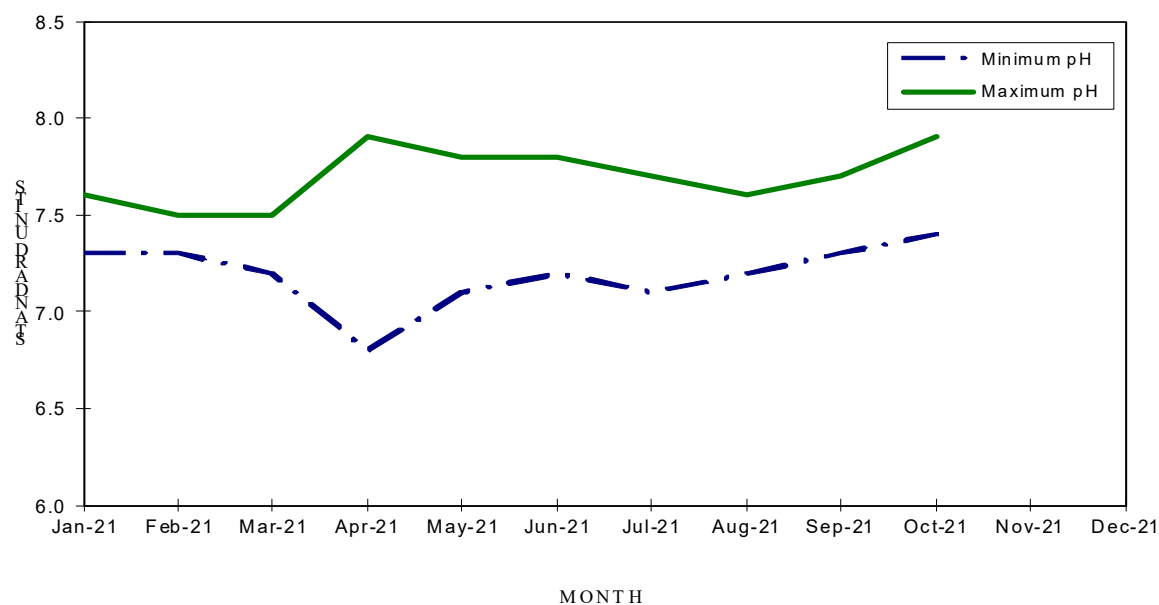
	Minimum Std. Units	Maximum Std. Units
Jan-20	7.8	8.2
Feb-20	7.8	8.1
Mar-20	7.7	7.9
Apr-20	7.6	7.9
May-20	7.6	7.8
Jun-20	7.6	7.8
Jul-20	7.7	7.9
Aug-20	7.7	7.9
Sep-20	7.7	7.9
Oct-20	7.3	7.7
Nov-20	7.3	7.7
Dec-20	7.3	7.7
Average	7.6	7.9



pH Variation, January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

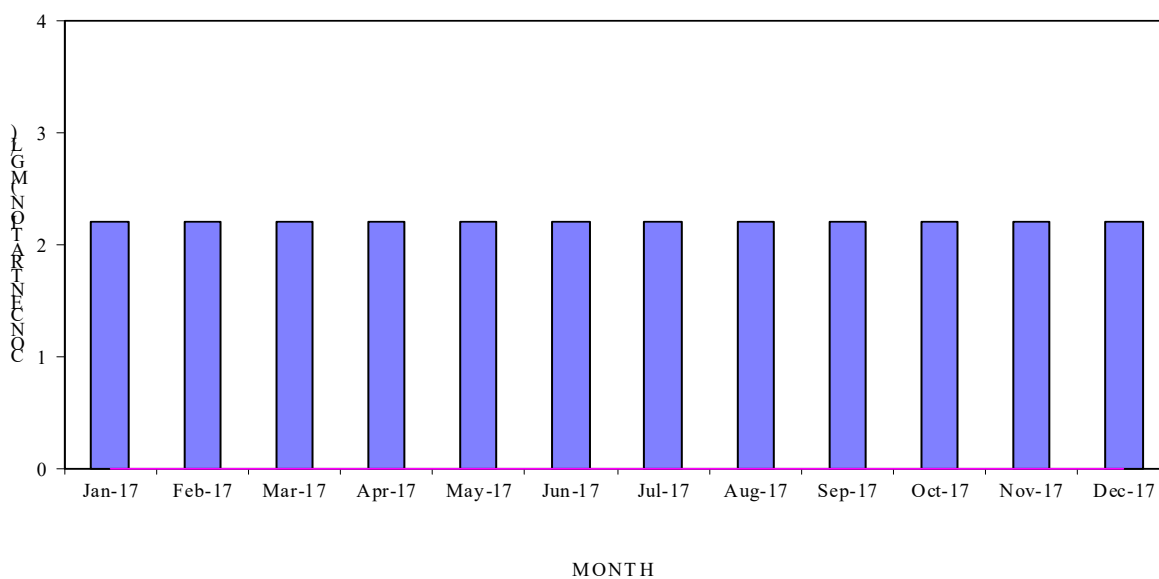
	Minimum Std. Units	Maximum Std. Units
Jan-21	7.3	7.6
Feb-21	7.3	7.5
Mar-21	7.2	7.5
Apr-21	6.8	7.9
May-21	7.1	7.8
Jun-21	7.2	7.8
Jul-21	7.1	7.7
Aug-21	7.2	7.6
Sep-21	7.3	7.7
Oct-21	7.4	7.9
Nov-21		
Dec-21		
Average	7.2	7.7



Total Residual Chlorine (Effluent), Monthly Minimum January – December 2017

The following information is taken from Monthly Discharge Monitoring Reports.

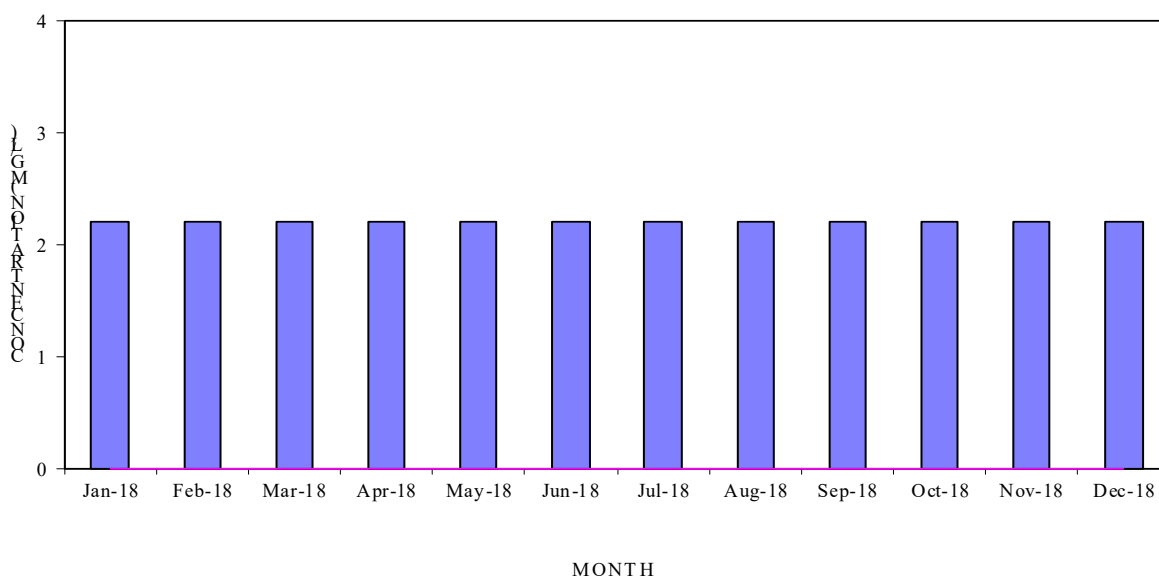
	TRC mg/L
Jan-17	2.2
Feb-17	2.2
Mar-17	2.2
Apr-17	2.2
May-17	2.2
Jun-17	2.2
Jul-17	2.2
Aug-17	2.2
Sep-17	2.2
Oct-17	2.2
Nov-17	2.2
Dec-17	2.2



Total Residual Chlorine (Effluent), Monthly Minimum January – December 2018

The following information is taken from Monthly Discharge Monitoring Reports.

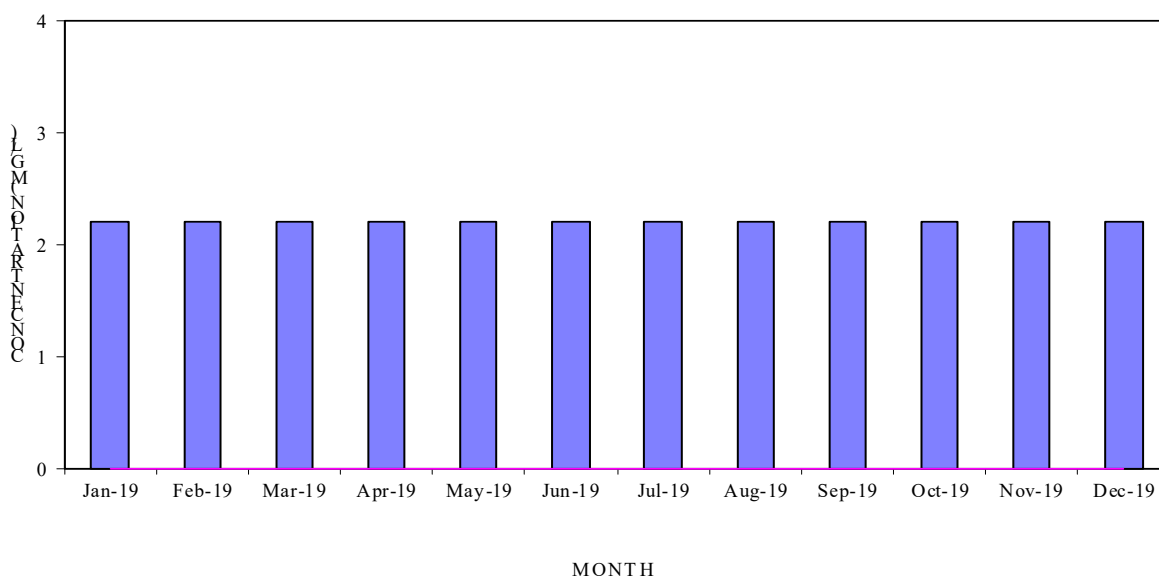
	TRC mg/L
Jan-18	2.2
Feb-18	2.2
Mar-18	2.2
Apr-18	2.2
May-18	2.2
Jun-18	2.2
Jul-18	2.2
Aug-18	2.2
Sep-18	2.2
Oct-18	2.2
Nov-18	2.2
Dec-18	2.2



Total Residual Chlorine (Effluent), Monthly Minimum January – December 2019

The following information is taken from Monthly Discharge Monitoring Reports.

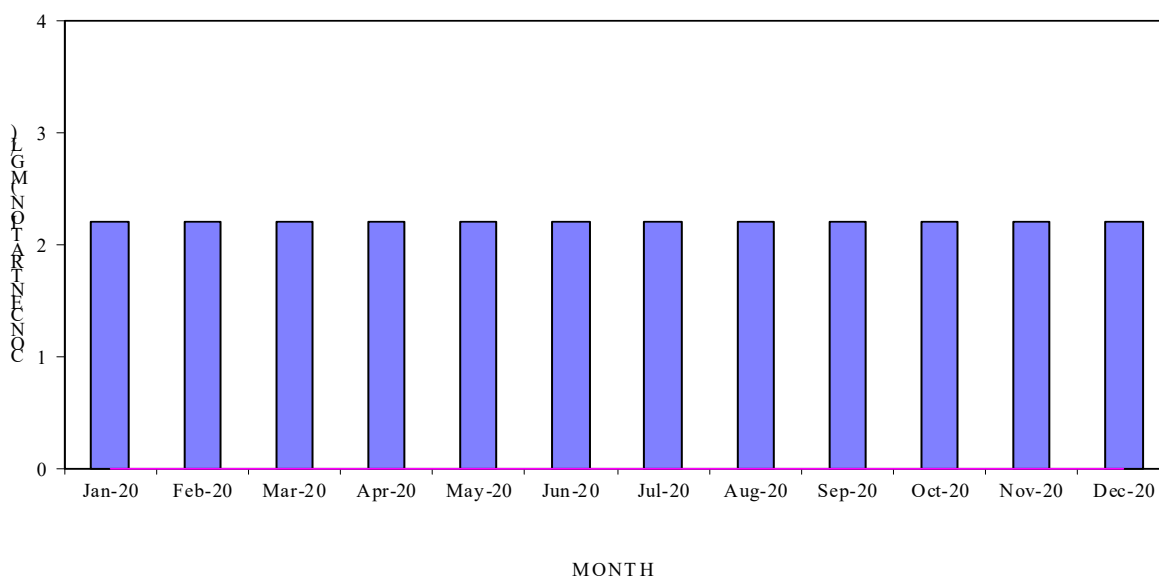
	TRC mg/L
Jan-19	2.2
Feb-19	2.2
Mar-19	2.2
Apr-19	2.2
May-19	2.2
Jun-19	2.2
Jul-19	2.2
Aug-19	2.2
Sep-19	2.2
Oct-19	2.2
Nov-19	2.2
Dec-19	2.2



Total Residual Chlorine (Effluent), Monthly Minimum January – December 2020

The following information is taken from Monthly Discharge Monitoring Reports.

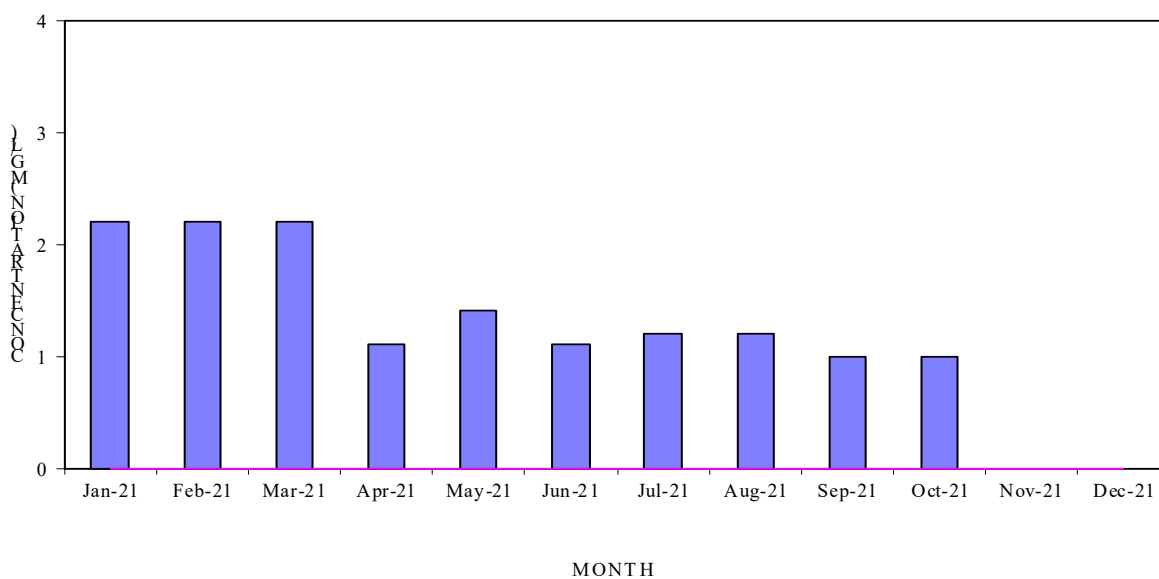
	TRC mg/L
Jan-20	2.2
Feb-20	2.2
Mar-20	2.2
Apr-20	2.2
May-20	2.2
Jun-20	2.2
Jul-20	2.2
Aug-20	2.2
Sep-20	2.2
Oct-20	2.2
Nov-20	2.2
Dec-20	2.2



Total Residual Chlorine (Effluent), Monthly Minimum January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

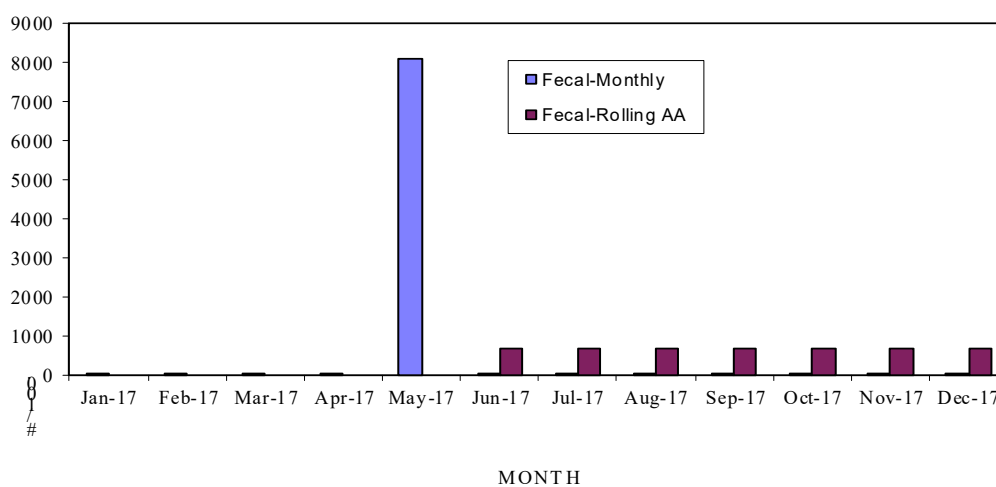
	TRC mg/L
Jan-21	2.2
Feb-21	2.2
Mar-21	2.2
Apr-21	1.1
May-21	1.4
Jun-21	1.1
Jul-21	1.2
Aug-21	1.2
Sep-21	1.0
Oct-21	1.0
Nov-21	
Dec-21	



Fecal Coliform (Effluent), Monthly & Rolling Annual Average January – Dec. 2017

The following information is taken from Monthly Discharge Monitoring Reports.

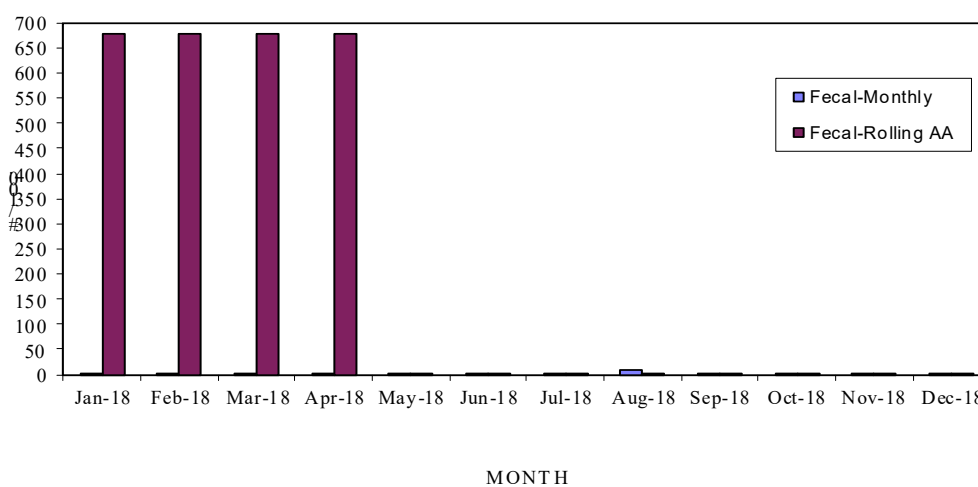
	Monthly	Rolling AA
	Fecal #/100	Fecal #/100
Jan-17	1.00	
Feb-17	1.00	
Mar-17	1.00	
Apr-17	1.00	
May-17	8100	
Jun-17	1.00	676.17
Jul-17	1.00	676.17
Aug-17	3.00	676.17
Sep-17	1.00	676.17
Oct-17	2.00	676.17
Nov-17	1.00	676.25
Dec-17	1.00	676.25



Fecal Coliform (Effluent), Monthly & Rolling Annual Average January – Dec. 2018

The following information is taken from Monthly Discharge Monitoring Reports.

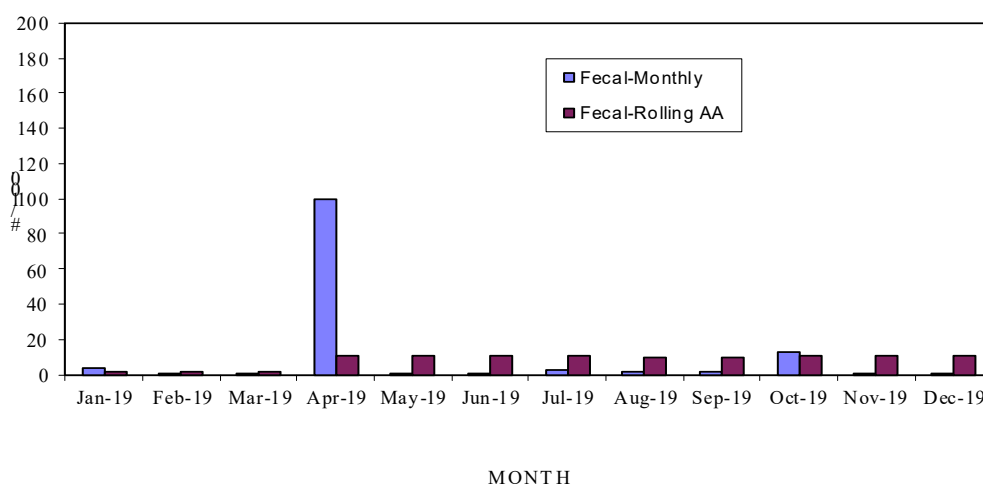
	Monthly	Rolling AA
	Fecal #/100	Fecal #/100
Jan-18	1.0	676.17
Feb-18	1.0	676.17
Mar-18	1.0	676.17
Apr-18	1.0	676.17
May-18	1.0	1.25
Jun-18	1.0	1.25
Jul-18	1.0	1.25
Aug-18	10.0	1.83
Sep-18	1.0	1.83
Oct-18	1.0	1.75
Nov-18	1.0	1.75
Dec-18	1.0	1.75



Fecal Coliform (Effluent), Monthly & Rolling Annual Average January – Dec. 2019

The following information is taken from Monthly Discharge Monitoring Reports.

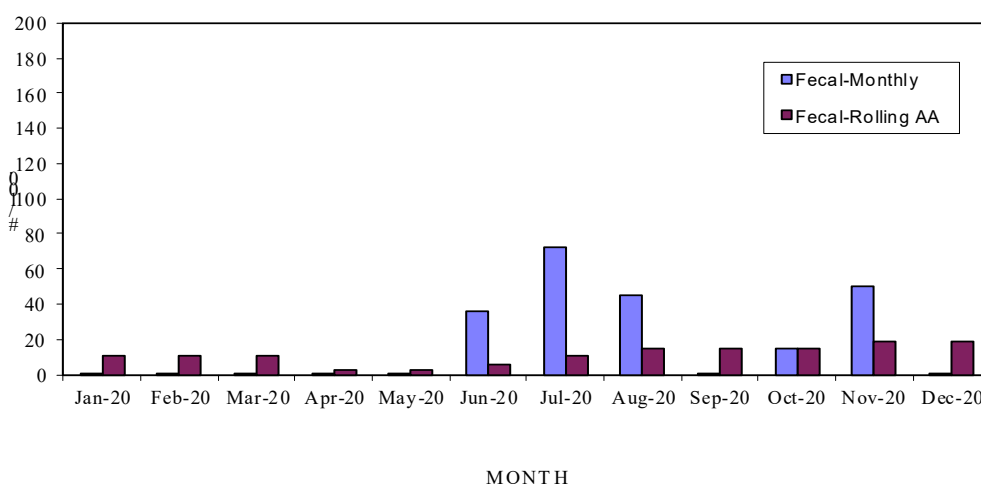
	Monthly	Rolling AA
	Fecal #/100	Fecal #/100
Jan-19	4.0	2.00
Feb-19	1.0	2.00
Mar-19	1.0	2.00
Apr-19	100.0	10.25
May-19	1.0	10.25
Jun-19	1.0	10.25
Jul-19	3.0	10.42
Aug-19	2.0	9.75
Sep-19	2.0	9.83
Oct-19	13.0	10.83
Nov-19	1.0	10.83
Dec-19	1.0	10.83



Fecal Coliform (Effluent), Monthly & Rolling Annual Average January – Dec. 2020

The following information is taken from Monthly Discharge Monitoring Reports.

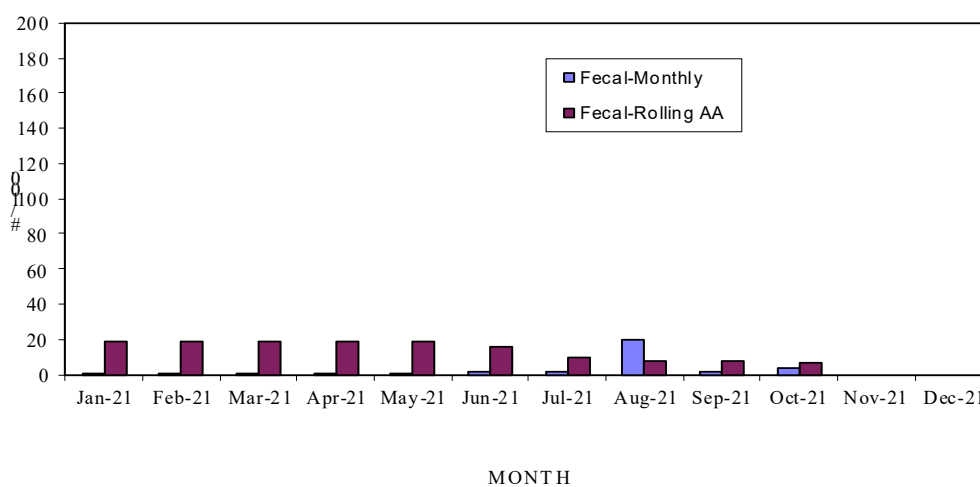
	Monthly	Rolling AA
	Fecal #/100	Fecal #/100
Jan-20	1.0	10.58
Feb-20	1.0	10.58
Mar-20	1.0	10.58
Apr-20	1.0	2.33
May-20	1.0	2.33
Jun-20	36.0	5.25
Jul-20	72.0	11.00
Aug-20	45.0	14.58
Sep-20	1.0	14.50
Oct-20	15.0	14.67
Nov-20	50.0	18.75
Dec-20	1.0	18.75



Fecal Coliform (Effluent), Monthly & Rolling Annual Average January – October 2021

The following information is taken from Monthly Discharge Monitoring Reports.

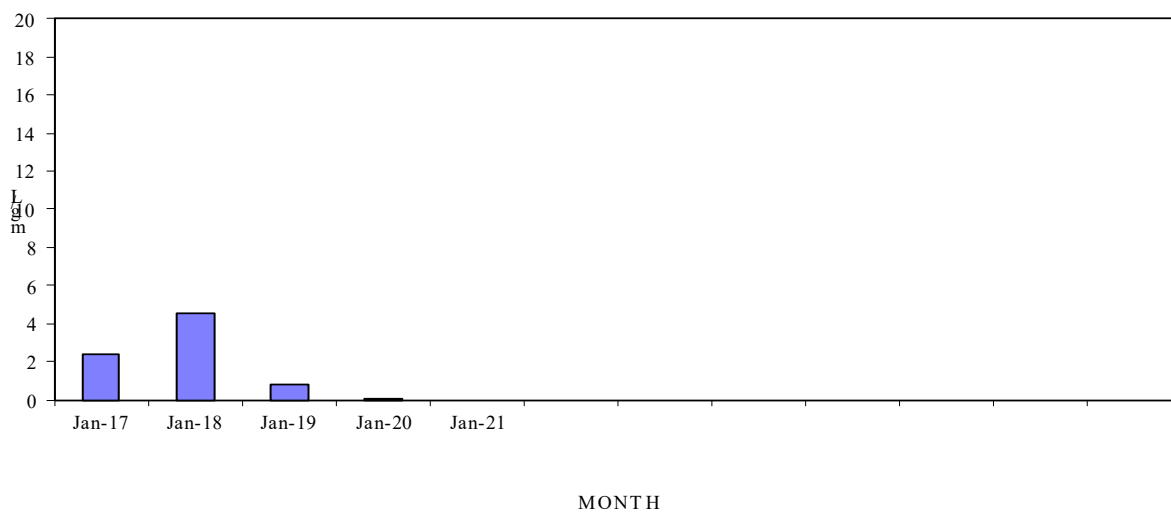
	Monthly	Rolling AA
	Fecal #/100	Fecal #/100
Jan-21	1.0	18.75
Feb-21	1.0	18.75
Mar-21	1.0	18.75
Apr-21	1.0	18.75
May-21	1.0	18.75
Jun-21	2.0	15.92
Jul-21	2.0	10.08
Aug-21	20.0	8.00
Sep-21	2.0	8.08
Oct-21	4.0	7.17
Nov-21		
Dec-21		



Nitrate as N (Effluent), Annual January 2017 – October 2021

The following information is taken from Monthly Operating Reports.

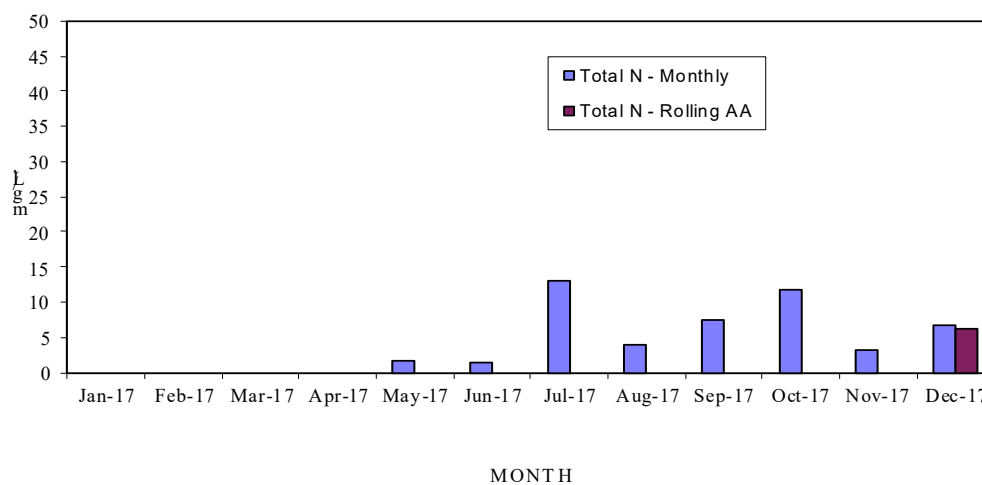
	Nitrate as N mg/L
Jan-17	2.43
Jan-18	4.49
Jan-19	0.80
Jan-20	0.10
Jan-21	



Total Nitrogen (as N) (Effluent), Monthly & Rolling Annual Average January – Dec. 2017

The following information is taken from Monthly Discharge Monitoring Reports.

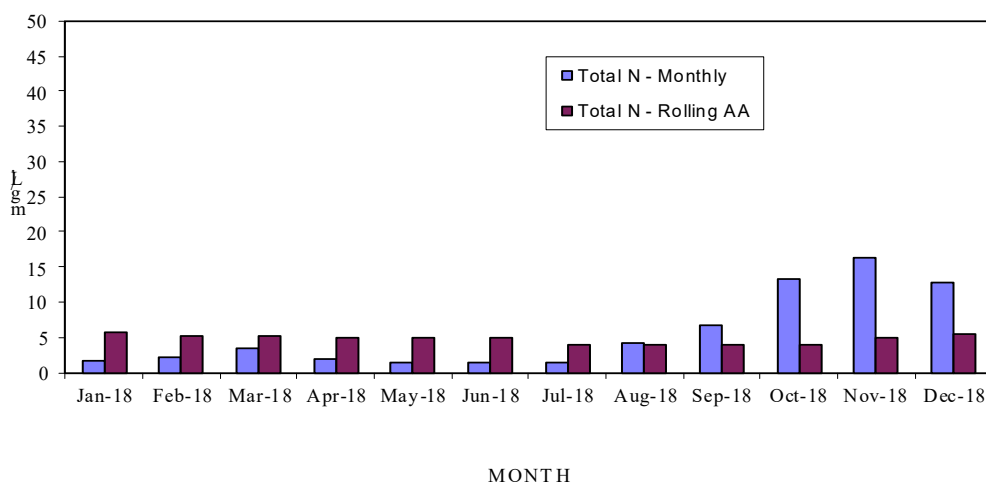
	Monthly	Rolling AA
	Total N mg/L	Total N mg/L
Jan-17		
Feb-17		
Mar-17		
Apr-17		
May-17	1.6	
Jun-17	1.3	
Jul-17	13.0	
Aug-17	3.9	
Sep-17	7.4	
Oct-17	11.9	
Nov-17	3.3	
Dec-17	6.6	6.11



Total Nitrogen (as N) (Effluent), Monthly & Rolling Annual Average January – Dec. 2018

The following information is taken from Monthly Discharge Monitoring Reports.

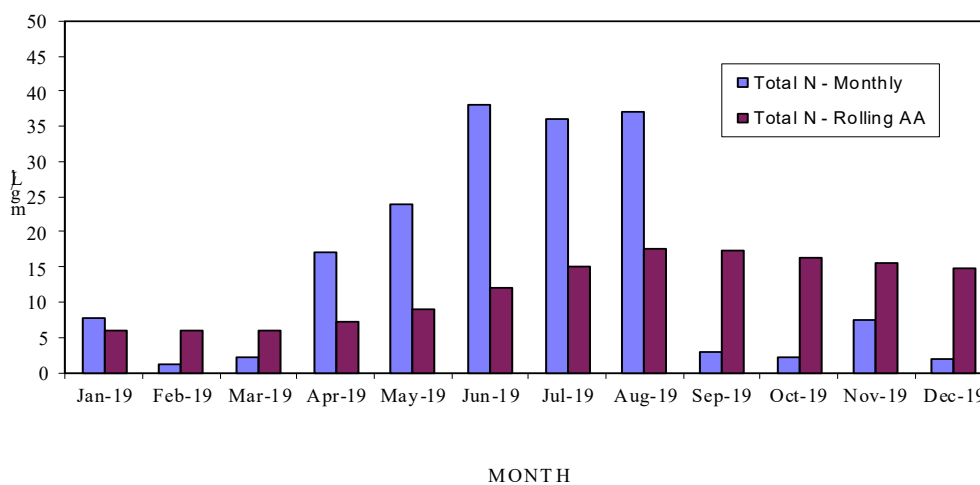
	Monthly	Rolling AA
	Total N mg/L	Total N mg/L
Jan-18	1.8	5.63
Feb-18	2.1	5.27
Mar-18	3.6	5.12
Apr-18	2.0	4.96
May-18	1.4	4.84
Jun-18	1.3	4.84
Jul-18	1.3	3.86
Aug-18	4.1	3.88
Sep-18	6.8	3.83
Oct-18	13.4	3.96
Nov-18	16.3	5.05
Dec-18	12.7	5.55



Total Nitrogen (as N) (Effluent), Monthly & Rolling Annual Average January – Dec. 2019

The following information is taken from Monthly Discharge Monitoring Reports.

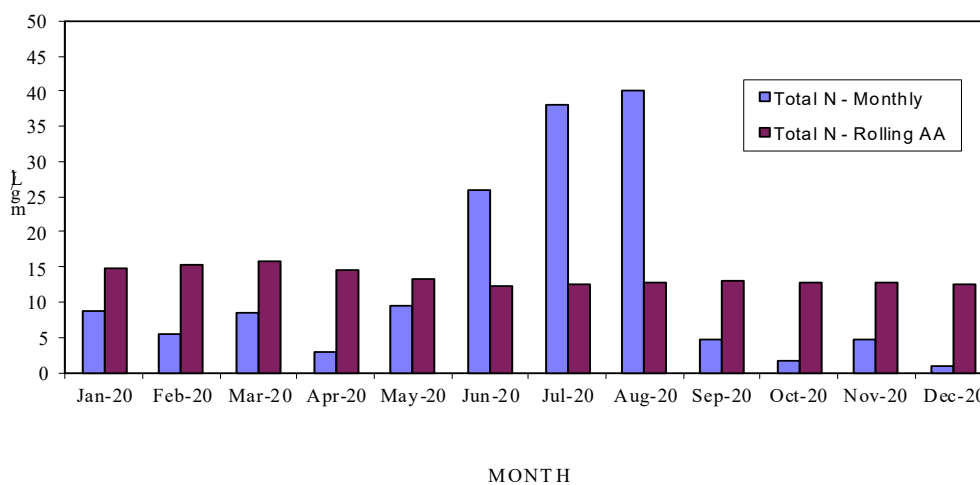
	Monthly	Rolling AA
	Total N mg/L	Total N mg/L
Jan-19	7.74	6.05
Feb-19	1.24	5.98
Mar-19	2.10	5.86
Apr-19	17.00	7.11
May-19	24.00	9.00
Jun-19	38.00	12.06
Jul-19	36.00	14.95
Aug-19	37.00	17.69
Sep-19	2.90	17.37
Oct-19	2.10	16.42
Nov-19	7.40	15.68
Dec-19	1.80	14.77



Total Nitrogen (as N) (Effluent), Monthly & Rolling Annual Average January – Dec. 2020

The following information is taken from Monthly Discharge Monitoring Reports.

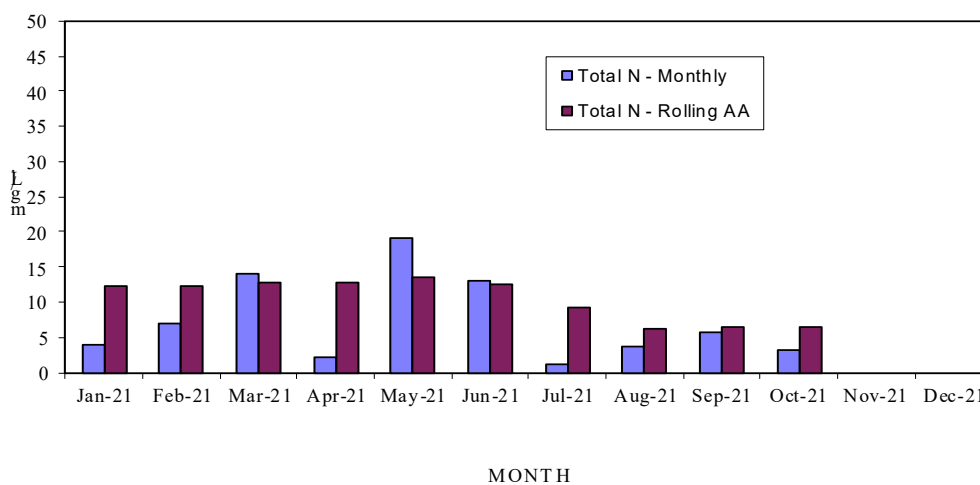
	Monthly	Rolling AA
	Total N mg/L	Total N mg/L
Jan-20	8.70	14.85
Feb-20	5.40	15.20
Mar-20	8.50	15.73
Apr-20	3.00	14.57
May-20	9.50	13.36
Jun-20	26.00	12.36
Jul-20	38.00	12.53
Aug-20	40.00	12.78
Sep-20	4.80	12.93
Oct-20	1.70	12.90
Nov-20	4.60	12.67
Dec-20	0.86	12.59



Total Nitrogen (as N) (Effluent), Monthly & Rolling Annual Average January – Oct. 2021

The following information is taken from Monthly Discharge Monitoring Reports.

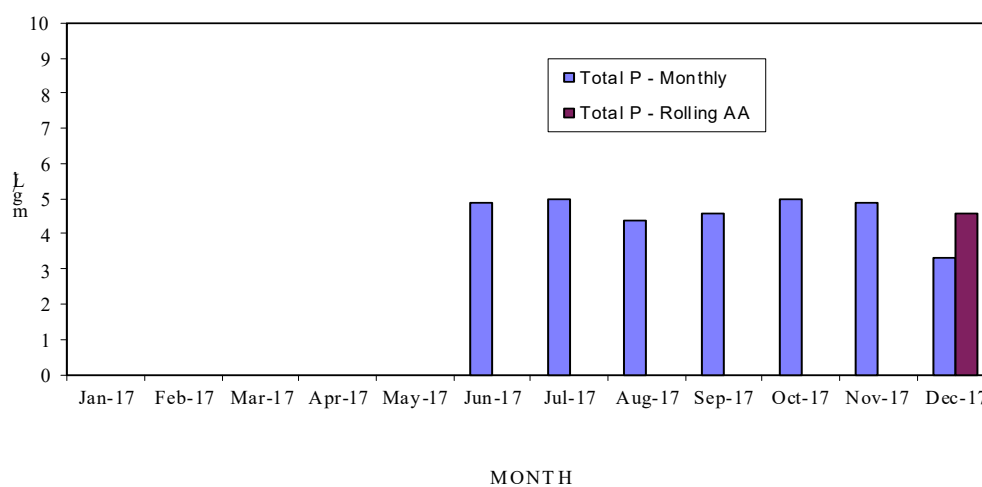
	Monthly	Rolling AA
	Total N mg/L	Total N mg/L
Jan-21	4.00	12.20
Feb-21	6.90	12.32
Mar-21	14.00	12.78
Apr-21	2.27	12.72
May-21	19.00	13.51
Jun-21	13.00	12.43
Jul-21	1.10	9.35
Aug-21	3.70	6.33
Sep-21	5.60	6.39
Oct-21	3.20	6.52
Nov-21		
Dec-21		



Total Phosphorus (as P) (Effluent), Monthly & Rolling Annual Average Jan. – Dec. 2017

The following information is taken from Monthly Discharge Monitoring Reports.

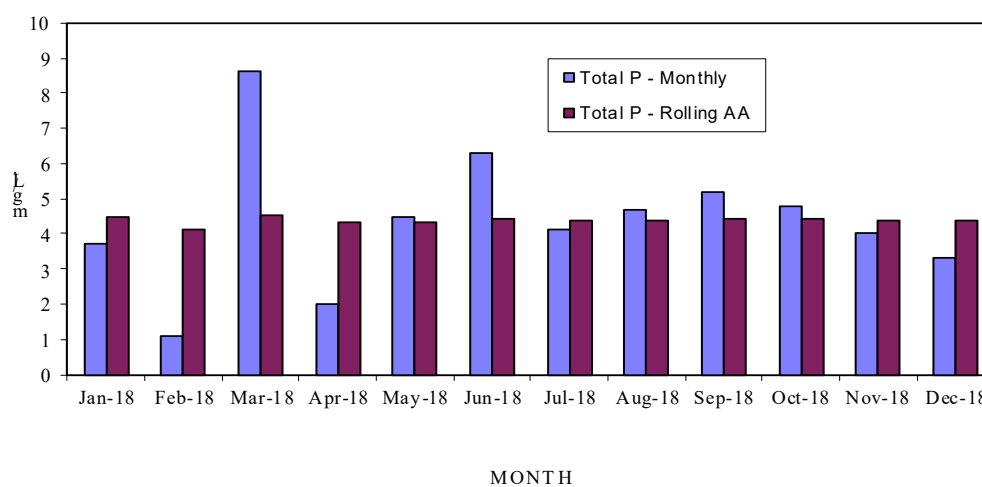
	Monthly	Rolling AA
	Total P mg/L	Total P mg/L
Jan-17		
Feb-17		
Mar-17		
Apr-17		
May-17		
Jun-17	4.90	
Jul-17	5.00	
Aug-17	4.40	
Sep-17	4.60	
Oct-17	5.00	
Nov-17	4.90	
Dec-17	3.30	4.59



Total Phosphorus (as P) (Effluent), Monthly & Rolling Annual Average Jan. – Dec. 2018

The following information is taken from Monthly Discharge Monitoring Reports.

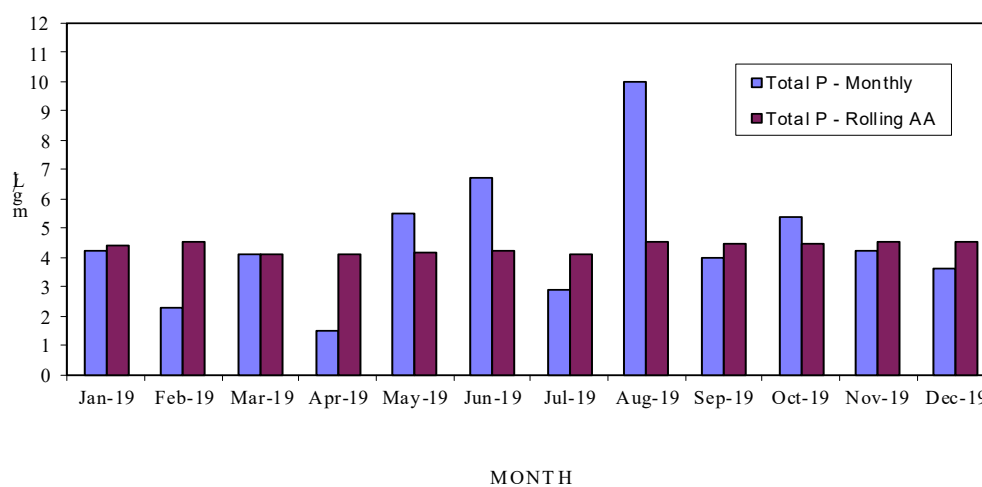
	Monthly	Rolling AA
	Total P mg/L	Total P mg/L
Jan-18	3.70	4.48
Feb-18	1.10	4.10
Mar-18	8.60	4.55
Apr-18	1.99	4.32
May-18	4.50	4.33
Jun-18	6.30	4.45
Jul-18	4.10	4.37
Aug-18	4.70	4.40
Sep-18	5.20	4.45
Oct-18	4.80	4.43
Nov-18	4.00	4.36
Dec-18	3.30	4.36



Total Phosphorus (as P) (Effluent), Monthly & Rolling Annual Average Jan. – Dec. 2019

The following information is taken from Monthly Discharge Monitoring Reports.

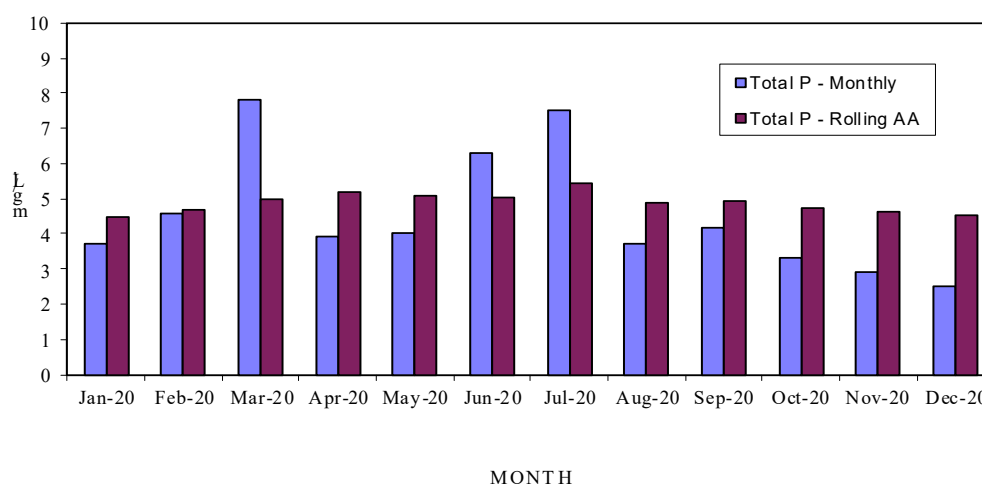
	Monthly	Rolling AA
	Total P mg/L	Total P mg/L
Jan-19	4.20	4.40
Feb-19	2.30	4.50
Mar-19	4.10	4.12
Apr-19	1.50	4.08
May-19	5.50	4.17
Jun-19	6.70	4.20
Jul-19	2.90	4.10
Aug-19	10.00	4.54
Sep-19	4.00	4.44
Oct-19	5.40	4.49
Nov-19	4.20	4.51
Dec-19	3.60	4.53



Total Phosphorus (as P) (Effluent), Monthly & Rolling Annual Average Jan. – Dec. 2020

The following information is taken from Monthly Discharge Monitoring Reports.

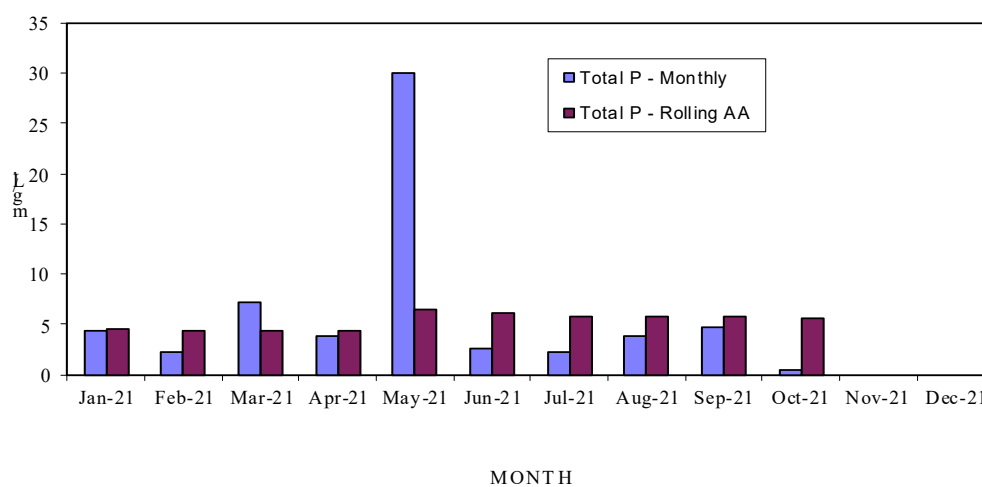
	Monthly	Rolling AA
	Total P mg/L	Total P mg/L
Jan-20	3.70	4.49
Feb-20	4.60	4.68
Mar-20	7.80	4.99
Apr-20	3.90	5.19
May-20	4.00	5.07
Jun-20	6.30	5.03
Jul-20	7.50	5.42
Aug-20	3.70	4.89
Sep-20	4.20	4.91
Oct-20	3.30	4.73
Nov-20	2.90	4.63
Dec-20	2.50	4.53



Total Phosphorus (as P) (Effluent), Monthly & Rolling Annual Average Jan. – Oct. 2021

The following information is taken from Monthly Discharge Monitoring Reports.

	Monthly	Rolling AA
	Total P mg/L	Total P mg/L
Jan-21	4.40	4.59
Feb-21	2.20	4.39
Mar-21	7.10	4.33
Apr-21	3.80	4.33
May-21	30.00	6.49
Jun-21	2.60	6.18
Jul-21	2.20	5.74
Aug-21	3.90	5.76
Sep-21	4.70	5.80
Oct-21	0.50	5.57
Nov-21		
Dec-21		



UPDATED ORGANIC LOADING INFORMATION

Parameter	Design Loading (@ Permitted Capacity)	Current Loading January 2020
CBOD ₅	240 mg/l	257 mg/l
TSS	240 mg/l	236 mg/l

Based upon *Recommended Standards For Wastewater Facilities, 1997 Edition*, the maximum organic loading rate is 15 lb. BOD₅/d/1000 ft³ for extended aeration. For this extended aeration wastewater treatment plant with 124,000+/- gallons in aeration volume, the design loadings are as follows:

$$\text{Maximum Organic Capacity} = 124,000 \text{ gallons/day} \div 7.48 \text{ gal/ft}^3 = 16,577.5 \text{ ft}^3/\text{day} \text{ and } (16,577.5 \text{ ft}^3/\text{day}) \div (1000 \text{ ft}^3 / 15 \text{ lbs./day}) = \underline{248.66 \text{ lbs. @ 124,000 GPD}}$$

CBOD₅ & TSS (@ Maximum Permitted Capacity of 0.099 MGD)

$$\text{Max. Conc. (mg/l)} = 248.66 \text{ lbs.} \div (0.099 \text{ MGD} \times 8.34 \text{ lb/MG}) = \underline{301.2 \text{ mg/l}} \\ \underline{\text{@ 0.099 MGD}}$$

CBOD₅ & TSS (@ July 2021 Annual Average Daily Flow of 0.0532 MGD)

$$\text{Max. Conc. (mg/l)} = 248.66 \text{ lbs.} \div (0.0532 \text{ MGD} \times 8.34 \text{ lb/MG}) = \underline{560.4 \text{ mg/l}} \\ \underline{\text{@ 0.0532 MGD}}$$

Based upon the 2021 Annual Average Daily Flow of 0.0532 MGD, the maximum allowable organic loading rate at the wastewater treatment plant is approximately 560.4 mg/L. The Landfair WWTF is currently achieving CBOD₅ and TSS Percent Removal Efficiencies of 99.2% and 99.2%, respectively, based upon the effluent data reported on the October 2021 DMR and the influent data reported on the January 2020 DMR.

FLOW MEASUREMENT

In accordance with the current facility permit, flow measurements are to be taken from the effluent V-notch weir and totalizer flow meter (FLW-1) located at the chlorine contact chamber of WWTF. The Effluent V-notch Weir and Totalizing Flow Meter are to be calibrated at least annually.

SURFACE WATER QUALITY

Surface water monitoring is not required by the current permit.

GROUND WATER QUALITY

In accordance with Section III of Permit Number FLA010722, the subject facility is required to monitor for the following parameters on a semi-annual basis from the following existing Monitoring Wells:

Meadowsland Villas/M-1 (MWB-1)

Meadowsland Villas/M-2 (MWC-2)

Meadowsland Villas/M-3 (MWC-3)

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	FEET	In-situ	Semi-Annually
Nitrogen, Nitrate, Total (As N)	10	MG/L	Grab	Semi-Annually
Solids, Total Dissolved (TDS)	500	MG/L	Grab	Semi-Annually
Chloride (As Cl)	250	MG/L	Grab	Semi-Annually
Coliform, Fecal	4	#/100 ML	Grab	Semi-Annually
pH	6.5 to 8.5	SU	In-situ	Semi-Annually
Turbidity	Report	NTU	In-situ	Semi-Annually

Water Level: January 2017 – October 2021

The following information is taken from Ground Water Monitoring Well Reports.

Sampling Period	MWB-1 Feet	MWC-2 Feet	MWC-3 Feet
1/1 - 6/30, 2017	DRY	72.35	67.88
7/1 - 12/31, 2017	DRY	68.94	DRY
1/1 - 6/30, 2018	DRY	77.16	68.83
7/1 - 12/31, 2018	DRY	78.04	69.88
1/1 - 6/30, 2019	NSR	NSR	NSR
7/1 - 12/31, 2019	NSR	NSR	NSR
1/1 - 6/30, 2020	NSR	NSR	NSR
7/1 - 12/31, 2020	NSR	NSR	NSR
1/1 - 6/30, 2021	DRY	72.48	60.47
7/1 - 12/31, 2021	DRY	76.91	70.32

*NSR - No Sample Results

Nitrogen, Nitrate, Total (as N): January 2017 – October 2021

The following information is taken from Ground Water Monitoring Well Reports.

Sampling Period	MWB-1 mg/L	MWC-2 mg/L	MWC-3 mg/L
1/1 - 6/30, 2017	DRY	0.17	3.05
7/1 - 12/31, 2017	DRY	0.87	DRY
1/1 - 6/30, 2018	DRY	0.05	1.79
7/1 - 12/31, 2018	DRY	0.07	1.96
1/1 - 6/30, 2019	NSR	NSR	NSR
7/1 - 12/31, 2019	NSR	NSR	NSR
1/1 - 6/30, 2020	NSR	NSR	NSR
7/1 - 12/31, 2020	NSR	NSR	NSR
1/1 - 6/30, 2021	DRY	0.10	3.66
7/1 - 12/31, 2021	DRY	0.50	2.93

*NSR - No Sample Results

Total Dissolved Solids (TDS): January 2017 – October 2021

The following information is taken from Ground Water Monitoring Well Reports.

Sampling Period	MWB-1 mg/L	MWC-2 mg/L	MWC-3 mg/L
1/1 - 6/30, 2017	DRY	20	198
7/1 - 12/31, 2017	DRY	34	DRY
1/1 - 6/30, 2018	DRY	23	133
7/1 - 12/31, 2018	DRY	25	186
1/1 - 6/30, 2019	NSR	NSR	NSR
7/1 - 12/31, 2019	NSR	NSR	NSR
1/1 - 6/30, 2020	NSR	NSR	NSR
7/1 - 12/31, 2020	NSR	NSR	NSR
1/1 - 6/30, 2021	DRY	2.5	150
7/1 - 12/31, 2021	DRY	17.0	160

*NSR - No Sample Results

Chloride (as Cl): January 2017 – October 2021

The following information is taken from Ground Water Monitoring Well Reports.

Sampling Period	MWB-1 mg/L	MWC-2 mg/L	MWC-3 mg/L
1/1 - 6/30, 2017	DRY	3.94	76.70
7/1 - 12/31, 2017	DRY	3.92	DRY
1/1 - 6/30, 2018	DRY	2.78	49.70
7/1 - 12/31, 2018	DRY	3.56	67.80
1/1 - 6/30, 2019	NSR	NSR	NSR
7/1 - 12/31, 2019	NSR	NSR	NSR
1/1 - 6/30, 2020	NSR	NSR	NSR
7/1 - 12/31, 2020	NSR	NSR	NSR
1/1 - 6/30, 2021	DRY	5.20	71.00
7/1 - 12/31, 2021	DRY	4.00	73.00

*NSR - No Sample Results

Fecal Coliform: January 2017 – October 2021

The following information is taken from Ground Water Monitoring Well Reports.

Sampling Period	MWB-1 #/100 mL	MWC-2 #/100 mL	MWC-3 #/100 mL
1/1 - 6/30, 2017	DRY	1.00	1.00
7/1 - 12/31, 2017	DRY	1.00	DRY
1/1 - 6/30, 2018	DRY	1.00	1.00
7/1 - 12/31, 2018	DRY	1.00	1.00
1/1 - 6/30, 2019	NSR	NSR	NSR
7/1 - 12/31, 2019	NSR	NSR	NSR
1/1 - 6/30, 2020	NSR	NSR	NSR
7/1 - 12/31, 2020	NSR	NSR	NSR
1/1 - 6/30, 2021	DRY	1.00	1.00
7/1 - 12/31, 2021	DRY	3.00	1.00

*NSR - No Sample Results

pH: January 2017 – October 2021

The following information is taken from Ground Water Monitoring Well Reports.

Sampling Period	MWB-1 s.u.	MWC-2 s.u.	MWC-3 s.u.
1/1 - 6/30, 2017	DRY	5.00	4.94
7/1 - 12/31, 2017	DRY	4.77	DRY
1/1 - 6/30, 2018	DRY	4.94	4.92
7/1 - 12/31, 2018	DRY	3.63	4.06
1/1 - 6/30, 2019	NSR	NSR	NSR
7/1 - 12/31, 2019	NSR	NSR	NSR
1/1 - 6/30, 2020	NSR	NSR	NSR
7/1 - 12/31, 2020	NSR	NSR	NSR
1/1 - 6/30, 2021	DRY	4.68	4.88
7/1 - 12/31, 2021	DRY	4.76	4.96

*NSR - No Sample Results

Turbidity: January 2017 – October 2021

The following information is taken from Ground Water Monitoring Well Reports.

Sampling Period	MWB-1 NTU	MWC-2 NTU	MWC-3 NTU
1/1 - 6/30, 2017	DRY	4.90	0.75
7/1 - 12/31, 2017	DRY	14.00	DRY
1/1 - 6/30, 2018	DRY	8.10	0.60
7/1 - 12/31, 2018	DRY	1.70	0.65
1/1 - 6/30, 2019	NSR	NSR	NSR
7/1 - 12/31, 2019	NSR	NSR	NSR
1/1 - 6/30, 2020	NSR	NSR	NSR
7/1 - 12/31, 2020	NSR	NSR	NSR
1/1 - 6/30, 2021	DRY	6.80	5.10
7/1 - 12/31, 2021	DRY	5.50	0.65

*NSR - No Sample Results

OPERATION AND MAINTENANCE PROGRAM

GENERAL

Staffing

The facility is adequately staffed with a certified operator in accordance with current Department rules. The operator's certification number is B-12483. The plant is staffed with a Class "C" or higher operator for a minimum of 1/2 hours/day for 5 days/week and one visit each weekend.

Facility Programs

The facility's maintenance, record keeping, and sampling programs are conducted by the operator in accordance with Department rules.

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

Record drawings were not available for review by DNM Engineering & Associates, Inc. at the Florida Department of Environmental Protection – Central District or at the facility.

OPERATION AND MAINTENANCE MANUAL

An *Operation and Maintenance Manual* for the wastewater treatment and effluent disposal facilities was available for review by DNM Engineering & Associates, Inc. at the wastewater treatment facility.

OPERATION AND MAINTENANCE LOG

An up-to-date operation and maintenance log with the entries required by Rule 62-602.650(4), F.A.C. is maintained by the operator and available at the facility within a closed mailbox.

COLLECTION SYSTEM EVALUATION

INFILTRATION AND INFLOW

Collection System

On August 8th, 2021; August 26th, 2021; and December 10, 2021, DNM Engineering & Associates, Inc. was on-site to evaluate the facility's sanitary sewer collection system for indications of infiltration or inflow. As per our discussions with the current facility operator, there appears to be indications of infiltration/inflow as wastewater flows are higher during rain events. However, the elapsed time meters at the lift stations are not operating and unable to determine which lift stations are being affected by infiltration/inflow.

Septic Wastewater

Septic conditions are not present at the wastewater treatment facility. Septic wastewater is not accepted at the wastewater treatment facility.

Industrial Contributions

The wastewater treatment facility does not receive industrial wastewater flows.

DEFICIENCIES AND CORRECTIVE ACTIONS

NOTED CONSIDERATIONS

Items needing immediate attention

During the preparation of this report the following items were noted as needing immediate attention and should be scheduled for evaluation or repair as soon as possible:

1. **The elapsed time meters at the lift stations are not operating and need to be replaced in order to determine what lift stations are being affected by infiltration/inflow during rain events. Once completed, the facility operator will monitor the lift stations to determine which sanitary sewer collection systems need to be evaluated for infiltration/inflow repairs.**
2. **Vegetation and solids within the facility's lined holding pond need to be removed. Currently the lined holding pond is being by-passed to allow the pond to dry which will allow the vegetation and solids to be removed and properly disposed.**
3. **No "Record Drawings" of the Wastewater Treatment Facility were available for review at the facility. Permittee will be contacted to inquire whether record drawings are located elsewhere. If not, then as-built drawings of the facility will need to be prepared in order to comply with the existing operations permit.**
4. **Several effluent sprinkler spray heads located within the rapid-rate infiltration basins need to be evaluated for repair/replacement.**

Items to be scheduled for maintenance

During the preparation of this report the following items were noted to be scheduled for maintenance.

1. Continue to perform regular maintenance of the rapid-rate infiltration basins (percolation/evaporation ponds).

SUMMARY

The Landfair WWTF overall appears to be in good condition and based upon the review of the Monthly Discharge Monitoring Reports from January 2017 through October 2021, the facility has met the flow and effluent requirements under the current operating permit with the exception of the following effluent parameter exceedances:

Effluent Sampling Point (EFA-1):

- May 2017: Fecal Coliform concentration exceeded the single sample maximum concentration of 800/100mL (8,100/100mL).
- May 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- June 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- July 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).

Landfair Wastewater Treatment Facility

- Aug. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Sept. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Oct. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Nov. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.25/100mL).
- Dec. 2017: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.25/100mL).
- Jan. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Feb. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Mar. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Apr. 2018: Fecal Coliform concentration exceeded the annual average maximum concentration of 200/100mL (676.17/100mL).
- Aug. 2018: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (34.0 mg/L).
- Jan. 2019: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- July 2019: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- Jan. 2020: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- Feb. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (36.0 mg/L).
- Mar. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (117.0 mg/L).
- Mar. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.5 mg/L).
- Apr. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.67 mg/L).
- May 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (68.0 mg/L).
- May 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (29.08 mg/L).
- June 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (30.08 mg/L).
- July 2020: Semi-annual sampling results for Groundwater Monitoring Wells MWB-1, MWC-2, & MWC-3 were not reported.
- July 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (36.0 mg/L).

Landfair Wastewater Treatment Facility

- July 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (31.92 mg/L).
- Aug. 2020: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (80.0 mg/L).
- Aug. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.5 mg/L).
- Sept. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (38.08 mg/L).
- Oct. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Nov. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.67 mg/L).
- Nov. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Dec. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.59 mg/L).
- Dec. 2020: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (37.67 mg/L).
- Jan. 2021: Annual influent samples for CBOD₅; TSS; Nitrogen, Nitrate, Total (as N) were not performed.
- Jan. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.20 mg/L).
- Jan. 2021: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (34.0 mg/L).
- Jan. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (40.17 mg/L).
- Feb. 2020: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.32 mg/L).
- Feb. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (38.83 mg/L).
- Mar. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.78 mg/L).
- Mar. 2021: TSS concentration exceeded the single sample maximum concentration of 30 mg/L (53.0 mg/L).
- Mar. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (33.50 mg/L).
- Apr. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.72 mg/L).
- Apr. 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (32.83 mg/L).
- May 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (13.51 mg/L).
- May 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (28.71 mg/L).

- June 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (12.43 mg/L).
- June 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (27.38 mg/L).
- July 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (9.35 mg/L).
- July 2021: TSS concentration exceeded the annual average maximum concentration of 20 mg/L (24.54 mg/L).
- Aug. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.33 mg/L).
- Sept. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.39 mg/L).
- Oct. 2021: Total Nitrogen concentration exceeded the annual average maximum contaminant concentration of 3.0 mg/L (6.52 mg/L).

Fecal Coliform effluent exceedance violation appears to have been from an isolated incidence in May 2017 and has since been in compliance with the effluent requirement.

TSS exceedance violations appear to have been the result of improper solids management/build-up within the WWTF from February 2020 through May 2021 and appears to have been corrected by the current facility operator.

Total Nitrogen exceedance violations since November 2020 will require modification to the facility's existing extended aeration activated sludge process in order to meet the current Total Nitrogen maximum effluent concentration of 3.0 mg/L.

Items listed as noted considerations have been discussed with the permittee and the facility's operator and will be scheduled to be completed as soon as possible.

RECOMMENDATIONS

The following are the recommendations to modify the treatment process of the existing Landfair WWTF from the Extended Aeration Activated Sludge Process to a Modified-Ludscak Ettinger (MLE) Activated Sludge Process in order to meet the current Total Nitrogen Maximum Annual Average Effluent Concentration of 3.0 mg/L:

- Modify the existing 62,000+/- gallon Aeration Basin No.: 1 into a 24,800+/- gallon Anoxic Basin No. 1 and a 37,200+/- gallon Aeration Basin by constructing an interior concrete divider wall within the existing basin. Anoxic Basin No. 1 to be equipped with a 15+/- HP Submersible Mixing Pump, Control Panel, and a Glycerin Solution Feed System.
- Modify the existing 62,000+/- gallon Aeration Basin No.: 2 into a 24,800+/- gallon Anoxic Basin No.2 and a 37,200+/- gallon Re-Aeration Basin by constructing an interior concrete divider wall within the existing basin. Anoxic Basin No. 2 to be equipped with a 15 HP Submersible Mixing Pump, Control Panel, and a Glycerin Solution Feed System. Re-Aeration Basin No. 2 to be equipped with a 10 HP Submersible Nitrogen Recycling Pumps and Duplex Control Panel to recycle mixed liquor from the basin back to Anoxic Zone No. 1.

BIOSOLIDS STORAGE PLAN

BIOSOLIDS STORAGE PLAN

FOR THE

LANDFAIR

WASTEWATER TREATMENT PLANT

MIDPOINT OF N.W. 77th LOOP
OCALA, MARION COUNTY, FLORIDA

Permit Number:	FLA010722
PA File Number:	FLA010722-007-DW3P
Expiration Date:	April 9, 2022

Prepared by:

DNM Engineering & Associates, Inc.
P.O. Box 42
Ocala, Florida 34478

December 28, 2021

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GENERAL

This is the Biosolids Storage Plan for the wastewater treatment facility that serves the following properties located in Ocala, Marion County, Florida:

- 1) **Landfair Multi-Family Subdivision**
Intersection of N.E. 78th Street & N.E. Jacksonville Road

Seventy-six (76) Multi-Family Duplexes (2 Bedroom/2 Bath)
Community Center
- 2) **Hilltop Manor Apartments**
7334 N.E. Jacksonville Road

33 - 2 Bedroom/1 Bath Apartments
4 - 1 Bedroom/1 Bath Apartments
Office, Laundry Facility, Storage
- 3) **Hilltop Manor II Apartments**
7334 N.E. Jacksonville Road

30 - 2 Bedroom/1 Bath Townhouses
15 – 1 Bedroom/1 Bath Townhouses
Laundry Facility
- 4) **Penny Park Estates MHP**
1001 N.E. 77th Street

27 Mobile Home Spaces (20 vacant spaces)
- 5) **Villages of Ocala East MHP**
751 N.E. 77th Lane

105 Mobile Home Spaces (63 vacant spaces)
Recreation Building
Office
- 6) **Villages of Ocala West MHP**
370 N.E. 76th Lane

65 Mobile Homes Spaces (37 vacant spaces)
- 7) **Marathon Convenience Store/Retail Gas Station**
7025 N.E. Jacksonville Road

3,200+/- Square feet Convenience Store

The Landfair Wastewater Treatment Facility is located within the Landfair Multi-Family Subdivision at the midpoint of N.W. 77th Loop which intersects N.E. 22nd Terrace. The current permit expires on April 9, 2022.

In accordance with Chapter 62-640.300(4)(a), F.A.C., the permittee of a domestic wastewater treatment facility which generates, treats, or manages biosolids shall prepare a biosolids storage plan “to demonstrate that storage capacity is available to provide retention of biosolids under adverse weather conditions, harvesting conditions, or other conditions which preclude land application or the use or disposal of the facility’s biosolids.”

DESCRIPTION OF FACILITIES

WASTEWATER TREATMENT PLANT

The domestic wastewater treatment plant (WWTP) consists of a 0.099 MGD concrete modular package plant. The WWTP consists of a flow equalization basin, aeration, secondary clarification, chlorination and aerobic digestion of residuals. The permitted capacity of the WWTP is currently limited to 0.099 MGD Annual Average Daily Flow (AADF). The WWTP is an activated sludge process, which utilizes an extended aeration system. The components of the plant are as follows:

- (1) Influent Bar Screen
- (2) Flow equalization basin with a total volume of 10,000+/- gallons with Flow Splitter Box and duplex submersible equalization pumps and controls.
- (2) 20.0 HP, 3-Phase (208-230V/460V), 1760 RPM Motor and Roots Model 68-URAI blower assemblies for the delivery of air mixing and oxygen requirements.
- (2) Aeration basins with a total volume of 124,000+/- gallons.
- (1) Settling basin with a total volume of 26,000+/- gallons w/ sludge hopper, scum removal and effluent weir.
- (1) Aerobic sludge holding tanks with a total volume of 10,400+/- gallons.
- (1) Chlorine contact basin with a total volume of 5,500+/- gallons for disinfection.
- (1) Stevens Model #61R Effluent Flow Meter & V-Notch Weir.
- (1) Stenner 17 GPD, 115V Chemical Feeder Pump for the delivery of sodium hypochlorite solution for disinfection purposes.

RECLAIMED/REUSE WATER LAND APPLICATION OF EFFLUENT

The treated effluent is applied to the 0.099 MGD AADF on-site rapid rate land application system consisting of the following:

- (2) Percolation/evaporation ponds with total bottom area of 100,188+/- ft² (2.3+/- Acres).

RESIDUALS DISPOSAL

Aerated sludge storage is provided to accommodate daily sludge production. Supernatant from the holding tank is returned to the aeration basin, via portable pump, to increase solids concentration within the tank. As needed, American Pipe and Tank d/b/a/ 412 Biosolids Processing Facility removes residuals from the aerobic sludge holding tank and hauls them off-site to be treated at a permitted Type II Residuals Management Facility (Permit No.: FLA356697-001-DW2S) by lime stabilization and land applied or disposed of in a Class I or II solid waste landfill.

AEROBIC DIGESTER CAPACITY

DESIGN CAPACITY & POPULATION EQUIVALENT (PE)

The design capacity of the Landfair WWTF is 0.099 MGD.

$$\text{Population Equivalent (PE)} = (99,000 \text{ GPD}) / (100 \text{ GPD/PE}) = 990$$

TANK VOLUME CALCULATIONS

$$\text{WWTF's Permitted Capacity (PC)} = \underline{0.099 \text{ MGD (99,000 GPD)}}$$

$$\text{WWTF's Aeration Volume (ft}^3\text{)} = (124,000 \text{ GPD})(1 \text{ ft}^3 / 7.48 \text{ gallons}) = \underline{16,577.5 \text{ ft}^3}$$

$$\text{Design Organic Loading Rate} = \underline{15 \text{ lb BOD}_5 / 1000 \text{ ft}^3\text{-Day}} \text{ (Metcalf \& Eddy, Table 10-5)}$$

$$\text{WWTF's Organic Capacity} = (15 \text{ lb BOD}_5 / 1000 \text{ ft}^3\text{-Day})(16,577.5 \text{ ft}^3) = \underline{248.7 \text{ lb/day}}$$

$$\text{Max. BOD}_5 \text{ Conc. @ PC (mg/L)} = (248.7 \text{ lb/day}) / (0.099 \text{ MGD})(8.34 \text{ lb/MG}) = \underline{301.2 \text{ mg/L}}$$

$$\text{Mean Cell Residence Time (MCRT)(day)} = \underline{25 \text{ Days}} \text{ (Metcalf \& Eddy, Table 10-5)}$$

$$\text{Mixed Liquor Suspended Solids (MLSS) Conc.} = \underline{2,500 \text{ mg/L}} \text{ (Metcalf \& Eddy, Table 10-5)}$$

$$\begin{aligned} \text{Mixed Liquor Volatile Suspended Solids (MLVSS)} &= 80\% \text{ of MLSS} \\ &= (2,500 \text{ mg/L})(0.80) = \underline{2,000 \text{ mg/L}} \end{aligned}$$

$$\text{MLVSS Concentration (lb/day)} = (2,000 \text{ mg/L})(8.34 \text{ lb/MG})(0.099 \text{ MGD}) = \underline{1,651.3 \text{ lb/day}}$$

$$\text{Food/Mass (F/M) Ratio} = \underline{0.10} \text{ (Metcalf \& Eddy, Table 10-5)}$$

$$\text{Waste Activated Sludge (WAS) Concentration} = \underline{6,000 \text{ mg/L}} \text{ (Operation of WWTPs, Volume II)}$$

$$\begin{aligned} \text{WAS to maintain MCRT} &= (\text{MLVSS, lb/day}) / (\text{MCRT, days}) = (1,651.3 \text{ lb/day}) / (25 \text{ days}) \\ &= \underline{66.05 \text{ lbs}} \end{aligned}$$

$$\begin{aligned} \text{WAS Volume} &= [(\text{Aeration Volume, gal.})(\text{MLSS, mg/L}) / (\text{MCRT, day})(\text{WAS Conc., mg/L})] \\ &= [(124,000 \text{ gal})(2500 \text{ mg/L}) / (25 \text{ Days})(6,000 \text{ mg/L})] = \underline{2,066.7 \text{ GPD}} \end{aligned}$$

$$\text{Density of Water } (\gamma_w) = \underline{62.4 \text{ lb/ft}^3}$$

$$\text{Specific Gravity of Sludge (SG)} = \underline{1.015} \text{ (Assumed)}$$

Volume of Solids Produced (assume 2% solids):

$$\begin{aligned} &= [(\text{WAS to maintain MCRT, lb/day})(7.48 \text{ gal/ft}^3) / (\gamma_w)(\text{SG})(\% \text{ solids})] \\ &= [(66.05 \text{ lb/day})(7.48 \text{ gal/ft}^3) / (62.4 \text{ lb/ft}^3)(1.015)(0.02)] = \underline{390.0 \text{ GPD}} \end{aligned}$$

Sludge Storage Production Period = 30 days

Sludge Storage Volume Required for Production Period:

= (Volume of Solids Produced, GPD)(Production Period, days)

= (390.0 GPD)(30 Days) = 11,700.8 Gallons

Additional Sludge Storage Volume Required For Supernatant Separation*:

= (25%) (Sludge Storage Volume Required for Production, gal.)

= (0.25) (11,700.8 gallons) = 2,925 gallons

*Section 85.31 of Recommended Standards For Wastewater Facilities, 1997 Edition)

Total Sludge Storage Volume Required = (11,701 gal.) + (2,925 gal.) = **14,626 Gallons**

Total Sludge Storage Volume Provided = **10,400 gallons**

ADDITIONAL SLUDGE STORAGE VOLUME CALCULATIONS

If the Landfair WWTF was operating at its current permitted capacity of 0.099 MGD then the existing aerobic sludge digester would not have any additional storage capacity available to provide the retention of biosolids under adverse weather conditions or any other condition which may preclude transferring the biosolids to the *412 Biosolids Processing RMF* for stabilization and land application.

In the event where adverse weather conditions are predicted, it is recommended to have the digester pumped out prior to the arrival of the adverse weather conditions in order to provide the necessary volume required until normal operating conditions can be maintained.

SLUDGE DIGESTION AND SOLIDS HANDLING

NEED FOR SLUDGE DIGESTION

The raw sludge and sludges from activated sludge processes are most commonly pumped to a sludge digester for treatment. The Landfair WWTF currently utilizes an aerobic sludge digester treatment system where bacteria decompose the sludges to simpler forms prior to ultimate disposal of the sludges or reuse of the Biosolids. (the word “Biosolids” refers to a primarily organic solid product produced by wastewater treatment processes that can be beneficially recycled. The word Biosolids is replacing the word sludge when referring to treated waste. After sludge is treated, the resulting solids are ready for disposal or recycling and are called “Biosolids.”) The following discusses the operation of aerobic sludge digesters.

AEROBIC SLUDGE DIGESTION

Aerobic digestion of solids occurs, whether intentional or not, in any conventional secondary treatment processes. In the extended aeration process, the aerobic digestion process is continued almost to the maximum obtainable limit of volatile matter reduction. A separate aerobic digester is intended mainly to ensure that residual solids from aerobic biological treatment processes are digested to the extent that they will not cause objectionable odors during disposal. An aerobic digester is commonly used to avoid the problems encountered when a waste aerobic activated sludge with low solids content is placed in an anaerobic digester. For this facility, the aerobic digester is used to treat only waste activated sludge pumped from the final sedimentation basin/secondary clarifier. The aerobic digester is a separate operation following other processes. Its purpose is to extend decomposition of solids and regrowth of organisms to a point where available energy in active cells and storage of waste materials are low enough and the material is stable enough for ultimate disposal.

Advantages of Aerobic Sludge Digestion:

- 1. Has lower equipment costs, but operating costs are higher, mainly because of energy requirements.*
- 2. Tends to produce fewer noxious odors.*
- 3. Produces liquids that usually are easier to treat when returned to the plant.*
- 4. Generates major digestion products consisting of residual solids, carbon dioxide, water, sulfate, and nitrate compounds. Most of these products are close to the final stabilization stage.*

5. *May achieve nitrogen removal by stopping aeration long enough to allow the conversion of nitrate to nitrogen gas. Aeration must be restarted before sulfate compounds are converted to sulfide (H_2S).*
6. *Tends to work better on partially stabilized solids from secondary processes that are difficult to treat by the anaerobic digestion process.*
7. *Produces a sludge that has a higher water content. Aerobic sludges are difficult to concentrate higher than 4 percent solids.*
8. *Uses oxygenation and mixing provided by aeration process equipment.*
9. *Has fewer hazardous cleaning and repairing tasks.*
10. *Works by aerobic decay, which produces fewer odors when operated properly.*

Process Description

The facility's aerobic digestion tank is a partially covered rectangular pre-cast basin. The tank utilizes diffused air from the facility's aeration equipment to maintain aerobic conditions. The tank is equipped with a sludge (WAS) air eductor feed line from the final sedimentation basin/secondary clarifier and located above the high water level of the tank. A portable pump is utilized to draw off supernatant liquid from the upper half of the tank. When necessary, solids are removed from the aerobic sludge digester by American Pipe & Tank and transferred off-site to be treated at a permitted Type II Biosolids Treatment Facility (BTF) (Permit No.: FLA356697-001-DW2S).

Detention time depends on the origin of the sludge being treated. Twenty days will provide sufficient digestion time for sludges from an extended aeration process where sludges are already well digested.

Operation

Aerobic digesters are operated under the principle of extended aeration from the activated sludge process, relying on the mode or region called Endogenous Respiration. Aerobic digestion consists of continuously aerating the sludge without the addition of new food, other than the sludge itself, so the sludge is always in the endogenous region. Aeration continues until the volatile suspended solids are reduced to a level the sludge is reasonably stable, does not create a nuisance or odors, and will readily dewater.

To place the aerobic digester(s) into service, fill the digester with primary effluent to within three feet of the normal water level and start the aeration equipment. Pump to the aerobic digestion process whenever sludge is pumped. Waste aerobic sludge from the final sedimentation

basin/secondary clarifier will provide the seed to start the process. Maintain a dissolved oxygen level near 1.0 mg/L in aerobic digester.

When the aerobic digester has filled to normal water level, turn off aeration equipment and allow the solids to settle to the bottom of the tank. This will leave a supernatant above the solids. Do not leave the aeration equipment off too long because odors will start to develop.

After the solids have settled, draw off a foot or two of water from the upper portion of the tank. Sufficient water should be removed from the digester to accommodate another 24-hour flow of sludges from the final sedimentation basin/secondary clarifier. Restart the aeration equipment when sufficient water has been removed. Water withdrawn from the aerobic digester may be returned to the headworks of the treatment process.

On the next day, repeat the process of stopping aeration, allowing settling, and removing a portion of the supernatant liquor to make room for another day's pumping of sludge. After a week or two, the solids level will build up to occupy approximately 50 percent of the tank volume during the settling period with a suspended solids concentration of 10,000 to 15,000 mg/L. Dissolved oxygen levels in aerobic digester should be maintained between 1.0 and 2.0 mg/L throughout the tank.

Repeat the above process after sludge is withdrawn from the aerobic digester by the MCPS Sludge Hauling Personnel for ultimate disposal.

Operation During Abnormal Conditions

Based upon the variable resident population at the Landfair WWTF Service Area, the existing aerobic sludge digesters should have additional storage capacity available to provide the retention of biosolids under adverse weather conditions or any other condition which may preclude American Pipe & Tank from transferring the biosolids off-site to be treated at a permitted Type II Biosolids Treatment Facility (BTF) (Permit No.: FLA356697-001-DW2S) for stabilization and land application. In order to ensure storage capacity is available during these abnormal conditions, it is recommended to maintain approximately 2 to 2.5 feet of freeboard within the aerobic digester just in case this volume is needed to retain sludge during abnormal events where the sludge cannot be removed from the tank. In the event when severe weather conditions are predicted (tropical depressions, tropical storms, and hurricanes), it is advised to have the sludge within the aerobic digester removed and transferred to the RMF as soon as

possible prior to the event or inspect the facility to ensure adequate volume in the aerobic digester is available.

Operational Records

Successful operation requires the operator to measure and record the following information:

DAILY

1. Volume of raw and secondary sludges transferred to the aerobic digester(s).
2. Volume of supernatant liquor withdrawn from the aerobic digester(s).

WHEN SLUDGE IS WITHDRAWN

1. Volume of sludge withdrawn for dewatering.

Operational Problems

SCUM:

The aerobic digesters will have to be skimmed periodically to remove floating grease and other material that will not digest. This material should be disposed of properly.

ODORS:

Odors should not be a problem in aerobic digestion unless insufficient oxygen is supplied or a shock load reaches the aerobic digestion tank(s).

FLOATING SLUDGE:

Floating sludge may become quite thick in the tank when aeration is stopped during removal of the supernatant. Scum and solids must be removed from the supernatant to prevent interference with other treatment processes and degradation of the plant effluent.

Maintenance Problems

Usually, this process requires very little maintenance. Routinely hose the side walls of open tanks for appearance and fly control.

DIFFUSER MAINTENANCE:

If diffused air is used for aeration, only open orifice or nozzle-type diffusers should be installed because the daily stopping of air flow during supernatant removal tends to increase plugging of other types of diffusers.

REFERENCES

1. Chapter 64E-6, F.A.C., Latest Revision.
2. Chapter 62-640, F.A.C., Latest Revision.
3. U.S. EPA *Process Design Manual for Sludge Treatment and Disposal*, EPA 625/1-79-011, September 1979.
4. Recommended Standards For Wastewater Facilities, 1997 Edition.
5. Metcalf and Eddy, Inc.; *Wastewater Engineering Treatment, Disposal, and Reuse*, Third Edition.
6. California State University, Sacramento; *Operation of Wastewater Treatment Plants, Volume II, Seventh Edition*.

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

ID: FLA010722

FACILITY NAME: Land Fair Homes
FACILITY LOCATION: NE 28th Place and NE 23rd Court

Anthony, Fla. Marion County

PRIMARY DEVICE

V-NOTCH WEIR	PARSHALL FLUME	RECTANGULAR WEIR
DEGREE OF V-NOTCH	WIDTH OF THROAT (IN)	CREST LENGTH (FT)
45	N/A	N/A

Gauge setting comparison using staff gauge:

☒ Satisfactory ☐ Unsatisfactory

Physical inspection of primary device approach, device and discharge:

☒ Satisfactory ☐ Unsatisfactory

SECONDARY DEVICE

TYPE: Flow Recorder

MAKE/MODEL/SERIAL: Stevens Serial # 121518-86

DATE OF LAST CALIBRATION: 5-20-2020

	LOW FLOW	MODERATE FLOW	HIGH FLOW
STAFF GAGE READING (ft)	0.0	.11	.21
ACTUAL FLOW (gpm)	0.0	1.86	9.39
TOTALIZER OR RECORDER READING(gpm)	0.0	1.90	9.58
PERCENT DIFFERENCE (%)	0%	2%	2%

Physical Inspection of Secondary Device:

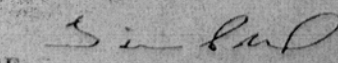
☒ Satisfactory ☐ Unsatisfactory

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: 11-19-2021

Timothy Plymel FRWA 1-800-872-8207

SLUDGE HAULER AGREEMENT

AGREEMENT FOR TRANSPORTATION, TREATMENT AND DISPOSAL OF DOMESTIC WASTEWATER RESIDUALS

This AGREEMENT by and between AMERICAN PIPE & TANK, INC. 418 Cypress Road, Ocala, FL 34472 D/B/A/ 412 BIOSOLIDS PROCESSING FACILITY (hereinafter 412 BPF) and

CFAT/H2O/LANDFAIR whose address is PO BOX 5220, OCALA, FL 34478

(hereinafter referred to as CLIENT).

WITNESSETH THAT

WHEREAS, 412 BPF is the owner and operator of a Type I Residuals Management Facility, File #FLA356697-001-DW2S and Agricultural Use Site, and

WHEREAS, sufficient capacity shall be maintained and

WHEREAS, said treatment and disposal site has been approved and operating under Florida Department of Environmental Protection (FDEP) permit file in compliance with Chapter 62-640 FAC and

WHEREAS, the CLIENT owns and operates the domestic wastewater treatment plant permitted as FLA010722

hereinafter referred to as "SOURCE" and has the need to dispose of the waste residual generated by the "SOURCE" and

WHEREAS, the CLIENT and 412 BPF both operate treatment facilities in compliance with Chapter 62-600 FAC, the degree of treatment at the plants determined according to said Chapter the true identity (treatment plant) referred to as "GENERATOR". For the ease of permitting 412 BPF will be referred to as "GENERATOR".

WHEREAS, as a condition precedent to the obtaining a valid operating permit for the SOURCE, FDEP requires the GENERATOR to file an Agricultural Use Plan whereby the SOURCE certifies that his residuals shall meet the chemical criteria for residuals suitable for land application.

NOW THEREFORE, for and in consideration of the mutual terms, covenants and conditions to be complied with on the part of the respective parties hereto, it is agreed as follows:


1. Nothing in this Agreement shall supersede or take precedence over the obligations and responsibility of each party to operate and maintain his individual plant in compliance with the frequency and schedule stated in Chapter 62-640, FAC.
2. The CLIENT hereby covenants and agrees:
 - A. If the CLIENT stabilizes the residuals to Class "B" or above, none of said residuals can be mixed with unstabilized materials. If mixing has occurred, the entire load will be required to be stabilized at the 412 BPF Plant.
 - B. The CLIENT shall pay for the transportation, treatment and disposal as dictated in the AGREEMENT PAY SCHEDULE "A" attached to this contract.
 - C. The CLIENT warrants that the residuals delivered to the GENERATOR shall not contain any hazardous, toxic or radioactive waste or substances as defined by applicable federal, state and local laws or restrictions.
3. 412 BPF hereby covenants and agrees:
 - A. To maintain, monitor and operate the lime stabilization plant and residuals disposal site in compliance with Chapter 62-640, FAC.
 - B. To accept all responsibility for the proper measurement, stabilization and land application for the proper disposal of the residuals as required by Chapter 62-640, FAC.

- C. To maintain a record of the total quantity of residuals land applied and file with FDEP an annual summary of the total quantity of residuals, heavy metals and nitrogen land applied, in which the CLIENT is a contributor thereof, to meet the GENERATOR'S certification requirements of the Agricultural Use Plan for this 412 BPF.
4. It is further understood by both parties that:
- A. Both parties understand that this Agreement is subject to the rules, regulations and directives of the regulatory agencies and agree that in the event such rules, regulations and directives require modification of the Agreement, they will negotiate in good faith to make such modification.
- B. Upon arrival onsite for treatment, residuals from the CLIENT'S plant, 412 BPF has the right to refuse treatment of said residuals, if it demonstrates properties that are not consistent with Land Application. The CLIENT will be responsible for the removal and proper disposal of material.
5. It is specifically agreed and understood by all parties hereto, that the rate stated in the Agreement Pay Schedule "A" is for the proper treatment, transportation and disposal of residuals delivered by AMERICAN PIPE & TANK, INC. to the 412 BPF site and proper disposal of the same.
6. Payment shall be made by Customer within thirty (30) days after receipt of an Invoice from Contractor. In the event that any payment is not made when due, Contractor at its sole option, may, at any time, terminate this Agreement on notice to Customer and the Department of Environmental Protection. Contractor may impose and Customer agrees to pay a late fee not to exceed the maximum rate allowed by applicable law for all past due payments.
7. Contractor shall not be responsible for damage to CLIENT'S pavement or other driving surface resulting from the weight of Contractor's vehicles servicing the wastewater treatment plant on routes designated by Customer.
8. Changes in the Schedule of Charges, capacity and type of equipment may be agreed to orally or in writing by the parties. Consent to oral changes shall be evidenced by the actions and practices of the parties.
9. Since disposal related charges and fuel costs are a significant portion of the cost of Contractor's services provided hereunder, Contractor may increase the unit price of the Schedule of Charges in an amount equal to any equivalent unit increase in disposal or fuel costs.
10. The term of this Agreement shall be for three (3) years from the effective date of service and shall be automatically renewed for like terms unless either party shall give written notice of termination (Certified Mail) to the other at least sixty (60) days prior to termination of the initial term or any renewal term. In the event the CLIENT terminates this Agreement other than as provided above, CLIENT shall pay to Contractor as liquidated damages, a sum calculated as follows: (a) if the remaining term under this Agreement is six months or more, CLIENT shall pay its most recent monthly charge multiplied by six (6); (b) if the remaining term under this Agreement is less than six months, CLIENT shall pay its most recent charge multiplied by the number of remaining months in the term.
11. That 412 BPF shall assume responsibility for the proper transport and spill contingency for residuals from the CLIENT once loaded into Company owned tankers.
12. In the event of a breach of this Agreement by either party, the breaching party shall pay all reasonable attorney's fees, collection fees and costs of the other party incident to any action brought to enforce this Agreement.

This AGREEMENT shall be binding on the parties and their successors and assigns.

IN WITNESS WHEREOF, the parties have caused these present to be executed this 28th day of OCTOBER, 2021.

Cindy E. Notaro
Witness

By: 
George Conomos/ President
412 BIOSOLIDS PROCESSING FACILITY

Witness

Client Signature/Title

Print Name

RESIDUAL HAULING SUMMARY

CenturyLink Webmail

dnmengineering@embarqmail.com

RE: Landfair WWTF**From :** Cindy Notaro <office@americanpipeandtankinc.com>

Thu, Oct 28, 2021 11:49 AM

Subject : RE: Landfair WWTF 2 attachments**To :** Dnm Engineering assoc inc
<dnmengineering@embarqmail.com>**Cc :** debbie@alternativephone.com

Good morning, Doug,

Attached is the Agreement for Landfair. As always we will need it signed and returned. I am copying Debbie @ CFAT also.

Below is the report.

Oct 28, 2021

11:45 am

AMERICAN PIPE & TANK, INC**Order Entry Invoice Detail Report**

Customers CFAT to CFAT

All invoices

	Inv. #	Customer ID	Name/Invoice Description	Invoice Information
	=====	=====	=====	
Rep:	82769	CFAT	C.F.A.T./H20 INC.	Inv date: 10/22/20
Order #:	113938		7100 G/Landfair	Ord Date: 10/21/20
Rep:	83119	CFAT	C.F.A.T./H20 INC.	Inv date: 12/11/20
Order #:	113387		7100 G/Landfair	Ord Date: 12/10/20
Rep:	83653	CFAT	C.F.A.T./H20 INC.	Inv date: 02/16/21
Order #:	115778		7100 G/Landfair	Ord Date: 02/15/21
Rep:	83885	CFAT	C.F.A.T./H20 INC.	Inv date: 03/12/21
Order #:	113766		7100 G/Landfair	Ord Date: 03/11/21
Rep:	84427	CFAT	C.F.A.T./H20 INC.	Inv date: 05/17/21
Order #:	116232		7100 G/Landfair	Ord Date: 05/14/21
Rep:	84687	CFAT	C.F.A.T./H20 INC.	Inv date: 06/14/21

Order #:	115977	7100 G/Landfair	Ord Date:	06/11/21
Rep:	84877 CFAT	C.F.A.T./H2O INC.	Inv date:	07/02/21
Order #:	116271	7100 G/ Landfair	Ord Date:	07/01/21
Rep:	85087 CFAT	C.F.A.T./H2O INC.	Inv date:	07/26/21
Order #:	116285	7100 G/Landfair	Ord Date:	07/26/21
Rep:	85313 CFAT	C.F.A.T./H2O INC.	Inv date:	08/20/21
Order #:	117525	7100 G/Landfair	Ord Date:	08/19/21
Rep:	85778 CFAT	C.F.A.T./H2O INC.	Inv date:	10/08/21
Order #:	117078	7100 G/Landfair	Ord Date:	10/07/21

Have a great day!

Cindy Notaro

Office Manager
American Pipe & Tank Inc
418 Cypress Road
Ocala, FL 34472
Office: 352-687-4281



From: Dnm Engineering assoc inc <dnmengineering@embarqmail.com>
Sent: Thursday, October 28, 2021 10:20 AM
To: Cindy Notaro <office@americanpipeandtankinc.com>
Subject: Landfair WWTF

Cindy,
Do you emailing an updated sludge hauling agreement and residual hauling summary for the the past 12 months for the Landfair WWTF (FLA010722) located in Ocala, Marion County, Florida?

Thanks and have a great day!
Sincerely,

Douglas A. VanDeursen, P.E.
DNM Engineering & Associates, Inc.

PERMITTEE INFORMATION



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Florida Profit Corporation

C.F.A.T. H2O, INC.

Filing Information

Document Number	P93000075313
FEI/EIN Number	65-0445576
Date Filed	11/01/1993
Effective Date	10/28/1993
State	FL
Status	ACTIVE

Principal Address

1552 SW 7th Rd
OCALA, FL 34471

Changed: 03/21/2013

Mailing Address

P.O BOX 5220
OCALA, FL 34478

Changed: 01/24/2006

Registered Agent Name & Address

DEMENZES, CHARLES
1552 SW 7th Rd
OCALA, FL 34471

Name Changed: 01/09/2004

Address Changed: 03/21/2013

Officer/Director Detail

Name & Address

Title DPS

DEMENZES, CHARLES
PO BOX 5220
OCALA, FL 34478

Title VP

DILLON, DEBORAH
PO BOX 5220
OCALA, FL 34478

Annual Reports

Report Year	Filed Date
2019	02/07/2019
2020	01/18/2020
2021	01/27/2021

Document Images

01/27/2021 -- ANNUAL REPORT	View image in PDF format
01/18/2020 -- ANNUAL REPORT	View image in PDF format
02/07/2019 -- ANNUAL REPORT	View image in PDF format
01/16/2018 -- ANNUAL REPORT	View image in PDF format
02/13/2017 -- ANNUAL REPORT	View image in PDF format
03/01/2016 -- ANNUAL REPORT	View image in PDF format
01/16/2015 -- ANNUAL REPORT	View image in PDF format
02/26/2014 -- ANNUAL REPORT	View image in PDF format
03/21/2013 -- ANNUAL REPORT	View image in PDF format
01/23/2012 -- ANNUAL REPORT	View image in PDF format
03/10/2011 -- ANNUAL REPORT	View image in PDF format
01/28/2010 -- ANNUAL REPORT	View image in PDF format
03/24/2009 -- ANNUAL REPORT	View image in PDF format
01/31/2008 -- ANNUAL REPORT	View image in PDF format
02/12/2007 -- ANNUAL REPORT	View image in PDF format
01/24/2006 -- ANNUAL REPORT	View image in PDF format
03/02/2005 -- ANNUAL REPORT	View image in PDF format
01/09/2004 -- ANNUAL REPORT	View image in PDF format
01/08/2003 -- ANNUAL REPORT	View image in PDF format
03/11/2002 -- ANNUAL REPORT	View image in PDF format
02/03/2001 -- ANNUAL REPORT	View image in PDF format
04/03/2000 -- ANNUAL REPORT	View image in PDF format
07/09/1999 -- ANNUAL REPORT	View image in PDF format
05/13/1998 -- ANNUAL REPORT	View image in PDF format
04/28/1997 -- ANNUAL REPORT	View image in PDF format
04/30/1996 -- ANNUAL REPORT	View image in PDF format
05/01/1995 -- ANNUAL REPORT	View image in PDF format



Jimmy H. Cowan, Jr., CFA

Marion County Property Appraiser

501 SE 25th Avenue, Ocala, FL 34471 Telephone: (352) 368-8300 Fax: (352) 368-8336

2021 Property Record Card

14503-000-03

[GOOGLE Street View](#)

Prime Key: 2255722

[Beta MAP IT+](#)

Current as of 9/16/2021

[Property Information](#)

C F A T H2O INC
PO BOX 5220
OCALA FL 34478-5220

[Taxes / Assessments:](#)

Map ID: 193

[Millage:](#) 9001 - UNINCORPORATED

[M.S.T.U.](#)

[PC:](#) 91

Acres: 1.81

Situs: 7721 NE 22ND TER OCALA

[Current Value](#)

Land Just Value	\$9,919
Buildings	\$36,049
Miscellaneous	\$2,052
Total Just Value	\$48,020
Total Assessed Value	\$48,020
Exemptions	\$0
Total Taxable	\$48,020

[Ex Codes:](#)

[History of Assessed Values](#)

Year	Land Just	Building	Misc Value	Mkt/Just	Assessed Val	Exemptions	Taxable Val
2020	\$7,693	\$37,232	\$2,052	\$46,977	\$46,977	\$0	\$46,977
2019	\$7,693	\$36,515	\$2,052	\$46,260	\$46,260	\$0	\$46,260
2018	\$7,693	\$35,787	\$2,052	\$45,532	\$45,532	\$0	\$45,532

[Property Transfer History](#)

Book/Page	Date	Instrument	Code	Q/U	V/I	Price
2052/0594	07/1994	06 SPECIAL WARRANTY	8 ALLOCATED	U	V	\$23,000
NA92/0569	12/1992	EI E I	0	U	I	\$27,755
1776/1749	10/1991	31 CERT TL	0	U	V	\$100
LL88/0641	02/1989	EI E I	0	U	V	\$55,466
1395/1321	12/1986	07 WARRANTY	0	U	V	\$100

[Property Description](#)

SEC 15 TWP 14 RGE 22
PLAT BOOK Y PAGE 053
LANDFAIR UNIT 1
TRACTS F.G &
COM AT THE SE COR OF TR F LANDFAIR UNIT 1 (Y-53) TH
N 00-15-39 W 60 FT TO THE POB TH CONT N 00-15-39 W 20 FT TH
N 89-44-21 E 15 FT TH S 00-15-39 E 20 FT TH S 89-44-21 W 15
FT TO THE POB

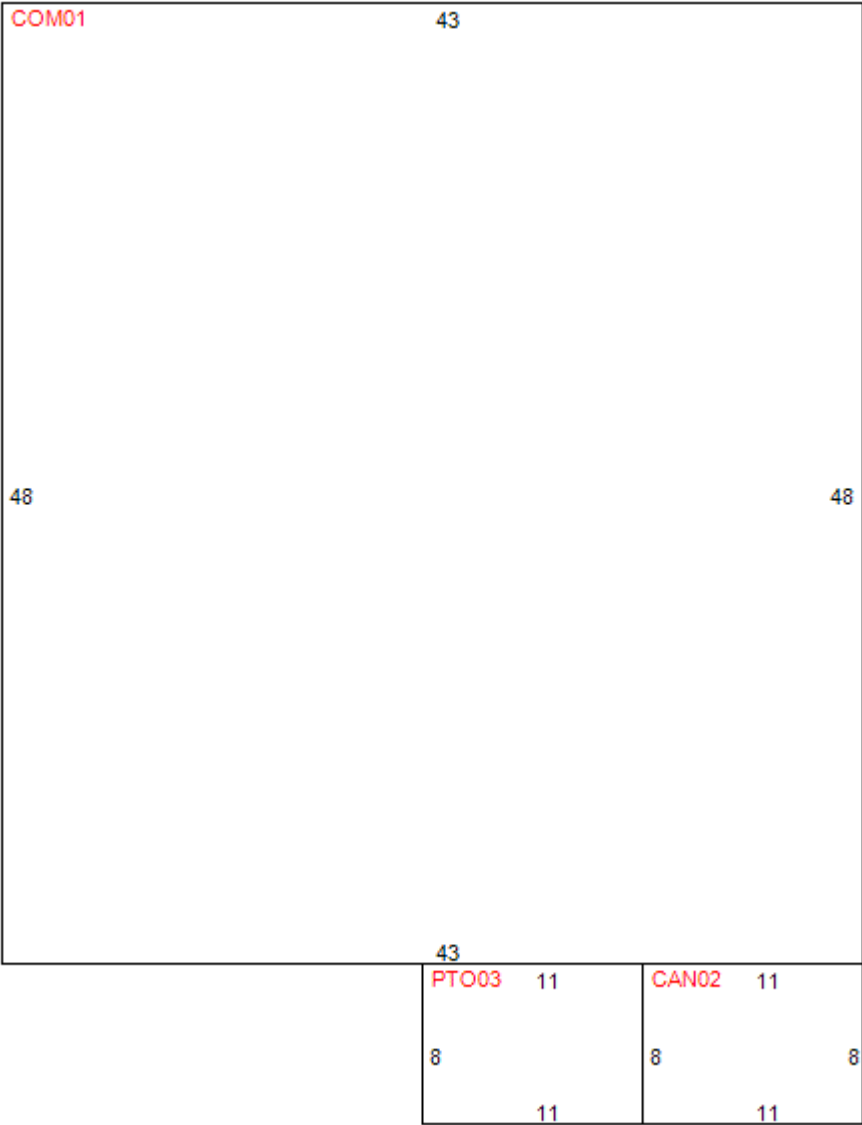
Parent Parcel: 14503-000-00

Land Data - Warning: Verify Zoning

Use	CUse	Front	Depth	Zoning	Units Type		Rate	Loc	Shp	Phy	Class Value	Just Value
0001		125.0	379.0	RPUD	1.11	AC	8,000.0000	1.00	1.37	0.50	6,083	6,083
9155		125.0	244.0	RPUD	.70	AC	8,000.0000	1.00	1.37	0.50	3,836	3,836
Neighborhood 0874 - ACREAGE E OF JAX RD TO RR											Total Land - Class \$9,919	
Mkt: 3 70											Total Land - Just \$9,919	

Traverse

Building 1 of 1
COM01=L43U48R43D48.
CAN02=L11D8R11U8.L11
PTO03=L11D8R11U8.



Building Characteristics

Structure	4 - MASONRY NO PILAST	Year Built	1987
Effective Age	5 - 20-24 YRS	Physical Deterioration	0%

Condition 3
Quality Grade 400 - FAIR
Inspected on 7/28/2016 by 187

Obsolescence: Functional 0%
Obsolescence: Locational 0%
Base Perimeter 182

Exterior Wall 40 PRECAST PANEL

Section	Wall Height	Stories	Year Built	Basement %	Ground Flr Area	Interior Finish	Sprinkler	A/C
1	9.0	1.00	1987	0	2,064	M00 MINIMUM FINISH	100 %	N N
2	9.0	1.00	1987	0		88 CAN CANOPY-ATTACHD	100 %	N N
3	1.0	1.00	1987	0		88 PTO PATIO	100 %	N N

Section: 1

Elevator Shafts: 0 **Aprtments:** 0 **Kitchens:** 0 **4 Fixture Baths:** 0 **2 Fixture Baths:** 0
Elevator Landings: 0 **Escalators:** 0 **Fireplaces:** 0 **3 Fixture Baths:** 0 **Extra Fixtures:** 0

Miscellaneous Improvements

Type	Nbr	Units	Type	Life	Year In	Grade	Length	Width
105 FENCE CHAIN LK	649.00		LF	20	1987	2	0.0	0.0
184 RETAIN WALL	515.00		SF	50	1987	1	0.0	0.0
							Total Value - \$2,052	

Appraiser Notes

TRACT E= LIFT STATION/WRA
TRACT G= WRA BY SEWAGE PLANT
TRACT F= SEWAGE TREATMENT PLANT

Planning and Building** Permit Search **

Permit Number	Amount	Issued Date	Complete Date	Description
MA5441	\$10,200	6/1/1987	10/1/1987	BLDG01=WATER PLANT BLDG.

Cost/Market Summary

Buildings R.C.N.	\$59,098	2/8/2012				
Total Depreciation	(\$23,049)					
Bldg - Just Value	\$36,049					
Misc - Just Value	\$2,052	10/20/2016	Bldg Nbr	1	RCN	\$59,098
Land - Just Value	\$9,919	4/14/2021			Depreciation	(\$23,049)
Total Just Value	\$48,020	.				Depreciated
						\$36,049



Jimmy H. Cowan, Jr., CFA

Marion County Property Appraiser

501 SE 25th Avenue, Ocala, FL 34471 Telephone: (352) 368-8300 Fax: (352) 368-8336

2021 Property Record Card

14503-000-05

Prime Key: 2715286

[Beta MAP IT+](#)

Current as of 9/16/2021

[Property Information](#)

C F A T H2O INC
PO BOX 5220
OCALA FL 34478-5220

[Taxes / Assessments:](#)

Map ID: 193

[Millage:](#) 9001 - UNINCORPORATED

[M.S.T.U.](#)

[PC:](#) 91

Acres: 5.00

[Current Value](#)

Land Just Value	\$250
Buildings	\$0
Miscellaneous	\$0
Total Just Value	\$250
Total Assessed Value	\$250
Exemptions	\$0
Total Taxable	\$250

[Ex Codes:](#)

[History of Assessed Values](#)

Year	Land Just	Building	Misc Value	Mkt/Just	Assessed Val	Exemptions	Taxable Val
2020	\$250	\$0	\$0	\$250	\$250	\$0	\$250
2019	\$250	\$0	\$0	\$250	\$250	\$0	\$250
2018	\$250	\$0	\$0	\$250	\$250	\$0	\$250

[Property Transfer History](#)

Book/Page	Date	Instrument	Code	Q/U	V/I	Price
2052/0594	07/1994	06 SPECIAL WARRANTY	8 ALLOCATED	U	V	\$1,050

[Property Description](#)

SEC 15 TWP 14 RGE 22
COM 630 FT N OF SW COR TH E 330 FT TH N 660 FT TH W
330 FT TH S 660 FT TO POB TOGETHER WITH INGRESS & EGRESS
MAINTENANCE AND UTILITY EASEMENT

Parent Parcel: 14503-000-00

[Land Data - Warning: Verify Zoning](#)

Use	CUse	Front	Depth	Zoning	Units Type	Rate	Loc	Shp	Phy	Class Value	Just Value
9699		.0	.0	RPUD	5.00 AC	50.0000	1.00	1.00	1.00	250	250
Neighborhood 0874 - ACREAGE E OF JAX RD TO RR										Total Land - Class	\$250
Mkt: 3 70										Total Land - Just	\$250

[Miscellaneous Improvements](#)

Type	Nbr Units	Type	Life	Year In	Grade	Length	Width
Total Value - \$0							
Appraiser Notes							
SEWER PERCOLATION POND							
Planning and Building							
** Permit Search **							
Permit Number	Amount	Issued Date	Complete Date	Description			
Cost/Market Summary							
Buildings R.C.N.	\$0	1/1/1800					
Total Depreciation	\$0						
Bldg - Just Value	\$0						
Misc - Just Value	\$0	3/11/2011		Bldg Nbr	RCN	Depreciation	Depreciated
Land - Just Value	\$250	4/14/2021					
Total Just Value	\$250	.					

PRELIMINARY ENGINEERING REPORT

PRELIMINARY ENGINEERING REPORT FOR LANDFAIR WASTEWATER TREATMENT FACILITY

**INTERSECTION OF N.W. 77th LOOP & N.E. 22nd TERRACE
OCALA, MARION COUNTY, FLORIDA**

FDEP File Number:

FLA010722-007-DW3P

Permit Number:

FLA010722

Expiration Date:

April 9, 2022

Prepared By:



Prepared For:

**Mr. Chales DeMenzes, President
CFAT H2O, Inc.
P.O. Box 5220
Ocala, Florida 34478-5220**

December 28, 2021

CERTIFICATIONS

ENGINEER:

Douglas A. VanDeursen, P.E.
DNM Engineering & Associates, Inc.
P.O. Box 42
Ocala, Florida 34478
Office: (352) 624-2068
Fax: (352) 622-6643
Email: dnmengineering@embarqmail.com

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 complies with Chapter 62-600, 62-610, and 62-620, F.A.C. and provides assurance of compliance with Chapter 62-601, F.A.C.

Signature of Engineer: _____

Florida Registration No. 60291

Date: _____



This item has been digitally signed and sealed by Douglas A. VanDeursen, P.E. on 12-31-2021 using a "SHA" Authentication Code.

Printed copies of this document are not considered signed and sealed and the "SHA" Authentication Code must be verified on any electronic copies.

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INTRODUCTION

General

The Landfair Wastewater Treatment Facility (WWTF) currently provides sewer service to the following properties located in Ocala, Marion County, Florida:

- 1) **Landfair Multi-Family Subdivision**
Intersection of N.E. 78th Street & N.E. Jacksonville Road

Seventy-six (76) Multi-Family Duplexes (2 Bedroom/2 Bath)
Community Center
- 2) **Hilltop Manor Apartments**
7334 N.E. Jacksonville Road

33 - 2 Bedroom/1 Bath Apartments
4 - 1 Bedroom/1 Bath Apartments
Office, Laundry Facility, Storage
- 3) **Hilltop Manor II Apartments**
7334 N.E. Jacksonville Road

30 - 2 Bedroom/1 Bath Townhouses
15 – 1 Bedroom/1 Bath Townhouses
Laundry Facility
- 4) **Penny Park Estates MHP**
1001 N.E. 77th Street

27 Mobile Home Spaces (20 vacant spaces)
- 5) **Villages of Ocala East MHP**
751 N.E. 77th Lane

105 Mobile Home Spaces (63 vacant spaces)
Recreation Building
Office
- 6) **Villages of Ocala West MHP**
370 N.E. 76th Lane

65 Mobile Homes Spaces (37 vacant spaces)
- 7) **Marathon Convenience Store/Retail Gas Station**
7025 N.E. Jacksonville Road

3,200+/- Square feet Convenience Store

The Landfair Wastewater Treatment Facility is located within the Landfair Multi-Family Subdivision at the midpoint of N.E. 77th Loop which intersects N.E. 22nd Terrace. The current permit expires on April 9, 2022.

Purpose of Proposed Wastewater Improvements

CFAT H2O, Inc. is proposing to modify the biological treatment process of the existing Landfair Wastewater Treatment Facility (WWTF) from an extended aeration activated sludge treatment process to a Modified Ludzack-Ettinger (MLE) activated sludge treatment process in order to meet the effluent Total Nitrogen requirements of Marion County and the Silver Springs Basin Management Action Plan (BMAP).

Permitting

The proposed modification of the Landfair WWTF will be permitted through the Florida Department of Environmental Protection (FDEP). All Federal, State and local regulations in connection with treatment and reuse of the wastewater will be followed in order to protect the public health and the quality of local water resources used for drinking, aquatic life and recreation.

Antidegradation

The Landfair WWTF currently utilizes a rapid-rate reuse land application system (rapid-rate infiltration basins) to dispose of the reclaimed water treated at the WWTF. In accordance with the Antidegradation Policy (Ch. 62-4 & Ch.62-302, F.A.C.) the project will not discharge to surface waters.

Setbacks & Water Quality

The existing wastewater facility and reuse areas currently meets the appropriate setback requirements from neighboring drinking water wells, property boundaries, sinkholes, wetlands, surface waters, and the 100-year flood plain.

Effluent from the WWTF will continued to be monitored regularly and the results submitted to the Florida Department of Environmental Protection to ensure water quality standards are being met.

The wastewater treatment facility area is currently surrounded by a 6 feet tall chain link fence with a 12 feet wide lockable gate. All sides of the fencing will be equipped with signs displaying “Wastewater Treatment Facilities – Do Not Enter”.

Operation & Maintenance

A State Licensed Operator will continue to perform operation & maintenance functions at the wastewater facility. These functions will include routine inspections of the facility; regular sampling of the treated wastewater and general maintenance. A State Certified Laboratory will continue to analyze the effluent samples. The sample results will be submitted to the Florida Department of Protection to ensure the facility is complying with all rules and regulations.

Component Reliability

The following components of the wastewater treatment facility currently meet Class III reliability through the following:

- Two-cell Rapid-Rate Infiltration Basin capable of handling the design flow.
- Two (2) blower/motor assemblies for the process tanks.
- Two (2) Surge/Equalization Pumps.

Disinfection Level

Basic-level disinfection will continue to be provided and maintain a minimum total residual chlorine level of 0.5 mg/l after at least 15-minutes contact time at the peak hourly flow.

DESCRIPTION OF EXISTING FACILITIES

Existing Wastewater Treatment Plant

The domestic wastewater treatment plant (WWTP) consists of a 0.099 MGD concrete modular package plant. The WWTP consists of a flow equalization basin, aeration, secondary clarification, chlorination and aerobic digestion of residuals. The permitted capacity of the WWTP is currently limited to 0.099 MGD Annual Average Daily Flow (AADF). The WWTP is an activated sludge process, which utilizes an extended aeration system. The components of the plant are as follows:

- (1) Influent Bar Screen
- (2) Flow equalization basin with a total volume of 10,000+/- gallons with Flow Splitter Box and duplex submersible equalization pumps and controls.
- (2) 20.0 HP, 3-Phase (208-230V/460V), 1760 RPM Motor and Roots Model 68-URAI blower assemblies for the delivery of air mixing and oxygen requirements.
- (2) Aeration basins with a total volume of 124,000+/- gallons.
- (1) Settling basin with a total volume of 26,000+/- gallons w/ sludge hopper, scum removal and effluent weir.
- (1) Aerobic sludge holding tanks with a total volume of 10,400+/- gallons.
- (1) Chlorine contact basin with a total volume of 5,500+/- gallons for disinfection.
- (1) Stevens Model #61R Effluent Flow Meter & V-Notch Weir.
- (1) Stenner 17 GPD, 115V Chemical Feeder Pump for the delivery of sodium hypochlorite solution for disinfection purposes.

Reuse Land Application System

The treated effluent is applied to the 0.099 MGD AADF on-site rapid rate land application system consisting of the following:

- (2) Percolation/evaporation ponds with total bottom area of 100,188+/- ft² (2.3+/- Acres).

The average hydraulic loading rate at permitted capacity to the percolation/evaporation ponds is 0.988+/- GPD/ft² or 1.59+/- inches per day (11.10+/- inches per week) over the entire total wetted bottom area.

The percolation/evaporation ponds are enclosed by a chain link fence to prevent trespassing.

The ponds are rested and rotated every seven (7) days. In-line valves allow the operator to accomplish the rotation of the ponds.

DESCRIPTION OF PROPOSED FACILITIES

Proposed Wastewater Treatment Plant

Upon completion of the proposed modifications to the existing WWTF, the components of the WWTF will be as follows:

- (1) Influent Bar Screen
- (2) Flow equalization basin with a total volume of 10,000+/- gallons with Flow Splitter Box and duplex submersible equalization pumps and controls.
- (2) 20.0 HP, 3-Phase (208-230V/460V), 1760 RPM Motor and Roots Model 68-URAI blower assemblies for the delivery of air mixing and oxygen requirements.
- (1) Anoxic basin with a total volume of 24,800+/- gallons with submersible mixing pump.
- (1) Aeration basin with a total volume of 37,300+/- gallons.
- (1) Anoxic basin with a total volume of 24,800+/- gallons with submersible mixing pump.
- (1) Re-Aeration basin with a total volume of 37,300+/- gallons with Nitrogen Recycling Pump.
- (1) Settling basin with a total volume of 26,000+/- gallons w/ sludge hopper, scum removal and effluent weir.
- (1) Aerobic sludge holding tanks with a total volume of 10,400+/- gallons.
- (1) Chlorine contact basin with a total volume of 5,500+/- gallons for disinfection.
- (1) Stevens Model #61R Effluent Flow Meter & V-Notch Weir.
- (1) Stenner 17 GPD, 115V Chemical Feeder Pump for the delivery of sodium hypochlorite solution for disinfection purposes.

Reuse Land Application System

No modifications are proposed for the reuse land application system.

Residual Disposal

Aerated sludge storage is provided to accommodate daily sludge production. Supernatant from the holding tank is returned to the aeration basin, via portable pump, to increase solids concentration within the tank. As needed, American Pipe and Tank d/b/a/ 412 Biosolids Processing Facility removes residuals from the aerobic sludge holding tank and hauls them off-site to be treated at a permitted Type II Residuals Management Facility (Permit No.: FLA356697-001-DW2S) by lime stabilization and land applied or disposed of in a Class I or II solid waste landfill.

WASTEWATER TREATMENT FACILITY DESIGN

General

The modified Landfair Wastewater Treatment Facility (WWTF) will be a 0.099 MGD, Type III domestic wastewater treatment package plant providing Basic-Level Disinfection. The wastewater treatment facility will operate as an activated sludge Modified Ludzack Ettinger (MLE) process. The treatment facilities will consist of a coarse bar rack for influent screening, flow equalization, denitrification (anoxic zone), aeration, denitrification (anoxic zone), re-aeration, secondary clarification, disinfection, and aerobic digestion of residuals. The treated effluent will discharge to the existing rapid-rate land application system consisting of two (2) rapid-rate infiltration basins (percolation/evaporation ponds).

Design Wastewater Flows

The existing wastewater flows will continue to be based upon the **Annual Average Daily Flow (AADF)**.

Please refer the Updated Capacity Analysis Report included with the application for a historical summary of the wastewater flows reviewed from January 2017 through November 2021.

Wastewater Characteristics and Design Treatment Levels

The wastewater characteristic and design treatment levels proposed for the project are as follows:

<u>Parameter</u>	<u>Units</u>	<u>Influent Concentration</u>	<u>Effluent Concentration</u>	<u>Basis</u>	<u>% Removal</u>
pH	Std.	6.0 – 8.5	6.0 – 8.5		
CBOD ₅	mg/l	240	20	Annual Average	90
TSS	mg/l	240	20	Annual Average	98
TN	mg/l	40	3	Annual Average	92.5
TRC	mg/l		0.5	Single Minimum	
Fecal Coliform	#/100ml		200/100mL	Single Maximum	

Landfair Wastewater Treatment Facility

PLANT EQUIPMENT SUMMARY

<u>Component</u>	<u>Existing</u>	<u>Proposed</u>
Flow Equalization Volume = 10,000-Gallons % of Average Flow = 10 % Peak Flow to Plant = 198,000 GPD (137.5 GPM)		
Anoxic Volume = 0 Detention Time = 0		24,800-gallons 6.0 Hours
Aeration Volume = 124,000 gallons Detention Time = 30.1 hours		37,200 gallons 9.02 hours
Anoxic Volume = 0 Detention Time = 0		24,800-gallons 6.0 Hours
Re-Aeration Volume = 0 Detention Time = 0		37,200 gallons 9.02 hours
Clarifier Volume = 26,000 gallons (1 Basin) Surface Area = 285+/- SF Weir Length = 32.5 LF Surface Loading Rate = 694.7+/- GPD/SF @ peak flow Weir Overflow Rate = 6,092 GPD/LF @ peak flow		
Aerobic Digester Volume = 10,400+/- gallons (1 Basin)		
Chlorine Contact Volume = 5,500-gallons (1 Baffled Basin) Contact Time = 40+/- minutes @ peak flow		
Rapid Infiltration Basins Area = 100,188+/- SF (Total Bottom Area) Hydraulic loading Rate = 0.988+/- GPD/SF = 1.59+/- inches per day		
Air Requirements Surge = 15.0 scfm Aeration = 335.4 scfm Digester = 41.7 scfm Skimmers & Eductors = 46.0 scfm		15.0 scfm 335.4 scfm 41.7 scfm 46.0 scfm

TREATMENT UNITS

Flow Equalization

Raw sewage via. force main, will enter the surge/equalization basin where is agitated by diffused air. The surge/equalization basin allows both the waste stream and flow rates to stabilize, thus allowing better operational control of the facility. Once the sewage volume reaches a determined level within the tank it is pumped through a flow splitter box and into the initial anoxic basins.

Anoxic

The equalized influent will enter the anoxic basin where it is mixed with activated sludge returning from the final aeration basin and final settling basin under very low oxygen conditions. Nitrate produced in the activated sludge is reduced in the presence of the incoming wastewater which is used as a carbon source to facilitate removal.

Aeration

The anoxic basin effluent will enter the aeration basin where it is thoroughly agitated by diffused air bubbling up through the liquid, causing it to mix as well as to become nitrified and oxidized. The wastewater treatment process at the facility is the activated sludge process, which utilizes single stage biological treatment for the removal of nitrogen in a suspended growth system. Internal pumps located in the last aeration basin returns MLSS for denitrification.

Secondary Clarification

Mixed liquor suspended solids will enter the settling basins through a port and into a stilling well, allowing solids settle at the bottom of the basins. The clear liquid will rise on the opposite side of the baffle and is further filtered by a layer of biological sludge. Clarified effluent will then overflow the effluent weir, where it is routed to the chlorine contact chambers for disinfection. Concentrated sludge (return activated sludge) is continuously removed from the bottom of the settling basins and returned to the anoxic basin in order to mix with the raw influent. When plant solids need to be reduced, concentrated sludge (waste activated sludge) from the clarifier is manually routed to the aerobic sludge holding tanks.

Disinfection

The clarified effluent flows through the chlorine contact basins where disinfection is provided by sodium hypochlorite solution introduction into the entrance of each basin. Each basin is equipped with baffles to allow the clarified effluent to receive sufficient contact time at peak flow. The disinfected effluent flows through the chlorine contact basins prior to reuse in the rapid-rate land application system.

Reuse Land Application System

The disinfected effluent gravity flows from the chlorine contact chambers directly to the rapid-rate reuse land application system consisting of dual percolation/evaporation ponds.

Sludge Digestion

Waste activated sludge is routed to the aerobic sludge holding tanks to accommodate daily sludge production. When necessary, solids will be removed from and lime stabilized prior to land application at a permitted site.

Residuals Disposal

Aerated sludge storage is provided to accommodate daily sludge production. Supernatant from the holding tank is returned to the aeration basin, via portable pump, to increase solids concentration within the tank. As needed, American Pipe and Tank d/b/a/ 412 Biosolids Processing Facility removes residuals from the aerobic sludge holding tank and hauls them off-site to be treated at a permitted Type II Residuals Management Facility (Permit No.: FLA356697-001-DW2S) by lime stabilization and land applied or disposed of in a Class I or II solid waste landfill.

Flow Measurement

In accordance with the current facility permit, flow measurements are to be taken from the effluent V-notch weir and totalizer flow meter (FLW-1) located at the chlorine contact chamber of WWTF. The Effluent V-notch Weir and Totalizing Flow Meter are to be calibrated at least annually.

Sampling

Influent sampling parameters (INF-1) are taken at the headworks of the plant prior to biological treatment. The samples do not contain digester supernatant or any other plant process recycled water. Effluent sampling parameters (EFA-1) are taken after disinfection and prior to discharge to the rapid-rate infiltration basins (percolation/evaporation ponds).

Backup Power Source

In accordance with Chapter 62-600.300(4), F.A.C., the Landfair WWTF will be required to provide permanent or portable generating equipment as a secondary power source for the proposed modification to the facility.

Supporting Information

Process Schematic and Hydraulic Profile

A process schematic and hydraulic profile prepared by DNM Engineering & Associates, Inc. are included in the “Engineering Plans & Specifications” accompanying this report.

Process Schematic, Drawings and Hydraulic Profile

An existing & proposed process flow diagram, engineered drawings and a hydraulic profile prepared by DNM Engineering & Associates, Inc. are included with this report.

Operation & Control Strategies for the Prevention of Upsets

General

- The wastewater treatment facilities shall be operated under the direct supervision of a certified operator. A lead operator must be available during all periods of operation.
- The facility operator, or a designated representative under the supervision of the operator, shall inspect all treatment facility equipment as often as necessary to ensure proper operation. A record of each inspection shall be recorded in the on-site log book.
- The introduction of storm water or industrial wastewater to the treatment facility is strictly prohibited.
- Treatment facilities shall be kept free of trash and foreign debris.
- Treatment facilities, operational equipment and sampling points shall remain accessible at all times.
- STATE WARNING POINT 800-320-0519.
- Operator shall routinely monitor changes in the microbial populations within the facilities to minimize potential problems.

Landfair Wastewater Treatment Facility

Equalization

- Operator shall regularly inspect and clean barscreen, splitter box and emergency overflow piping to anoxic basins.
- Operator shall regularly check high level audible/visual alarms and weir and float settings.

Anoxic/Aeration

- Operator shall routinely monitor and maintain proper dissolved oxygen levels within aeration basins.
- Basins shall routinely inspect odor and color.
- Air diffusers in aeration basin shall be routinely inspected and cleaned to ensure adequate mixing.

Settling

- Operator shall routinely inspect sludge blanket, clean skimmers, scum baffles and weirs, and ensure proper operation of the RAS and WAS lines.
- Regularly perform settleability test to regulate proper RAS within the treatment facilities.
- Operator shall regularly control WAS to maintain proper solids retention time within the treatment facilities.
- Operator shall regularly inspect and exercise basin isolation valves to ensure proper operation.

Chlorine Contact

- Operator shall routinely inspect and clean chlorine contact chamber.

Aerobic Digester

- Air diffusers in aerobic digesters shall be routinely inspected and cleaned to ensure adequate mixing.
- Operator to routinely have contract hauler remove sludge.

Blowers, Air System and Electrical

- Operator shall inspect belts, fluids and valves.
- Operator shall routinely exercise valves in air distribution system.
- Operator shall inspect timers, wiring, weather-tight housing, breakers and starters regularly.

Emergency Generator

- Operator shall test operation of generator for proper operation on a weekly basis. Test records shall be recorded in the on-site logbook.
- Operator/maintenance personnel shall maintain adequate fuel level at all times.

Rapid-Rate Reuse Land Application System Operating Protocol

- Pesticides, toxic chemicals and petroleum products shall not be disposed of on the land application system.
- Resort management and/or operator shall routinely mow and scarify infiltration basins to maintain percolation rates.

Landfair Wastewater Treatment Facility

- Rapid-Rate Infiltration Basins shall be accessible and surrounding vegetation mowed on a regular basis.
- Rapid-Rate Infiltration Basins shall be kept free of trash and foreign debris.
- Operator shall record daily rainfall amounts indicated by the on-site rain gauge.
- The Rapid-Rate Infiltration Basins shall be rested and rotated every 7 days.
- The plant operator, or a designated representative under the supervision of the operator, shall inspect the land application equipment as often as necessary to ensure proper operation. A record of each inspection shall be recorded in the on-site log book.

APPENDICIES

Location Map

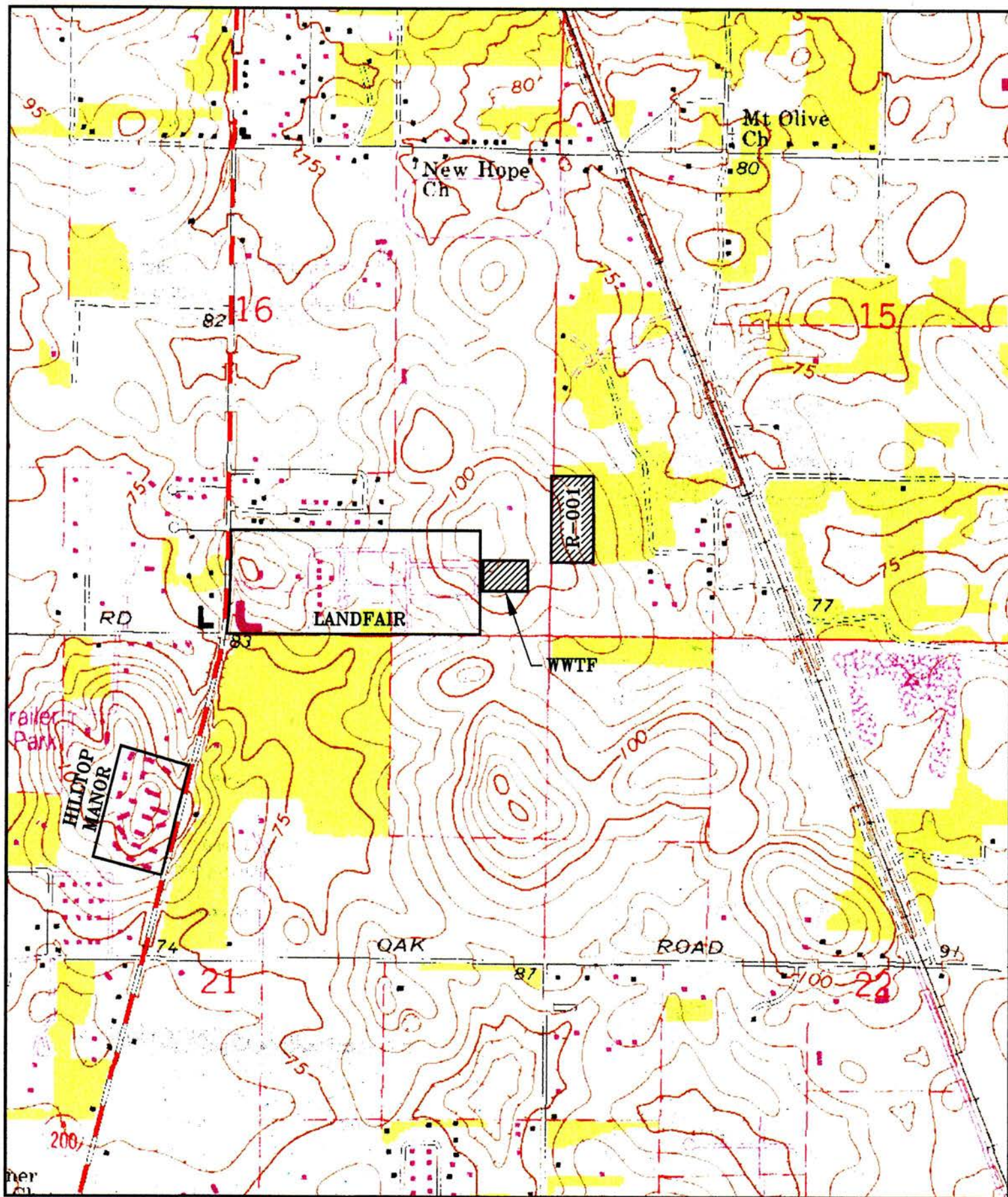
Service Area Map


Process Flow Diagrams (Existing & Proposed)

WWTF Design Parameters

Engineering Plans and Specifications

LOCATION MAP



<p>  LANDFAIR WWTf FLA010722 USGS QUAD-OCALA EAST, FL NORTH 1"=1,000' </p>	<p> DNM ENGINEERING & ASSOCIATES, INC. <hr/> P.O. BOX 42 OCALA, FLORIDA 34478 FAX (352) 629-2988 (352) 624-2068 </p>
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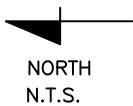
SERVICE AREA MAP

Leg



Untitled Map

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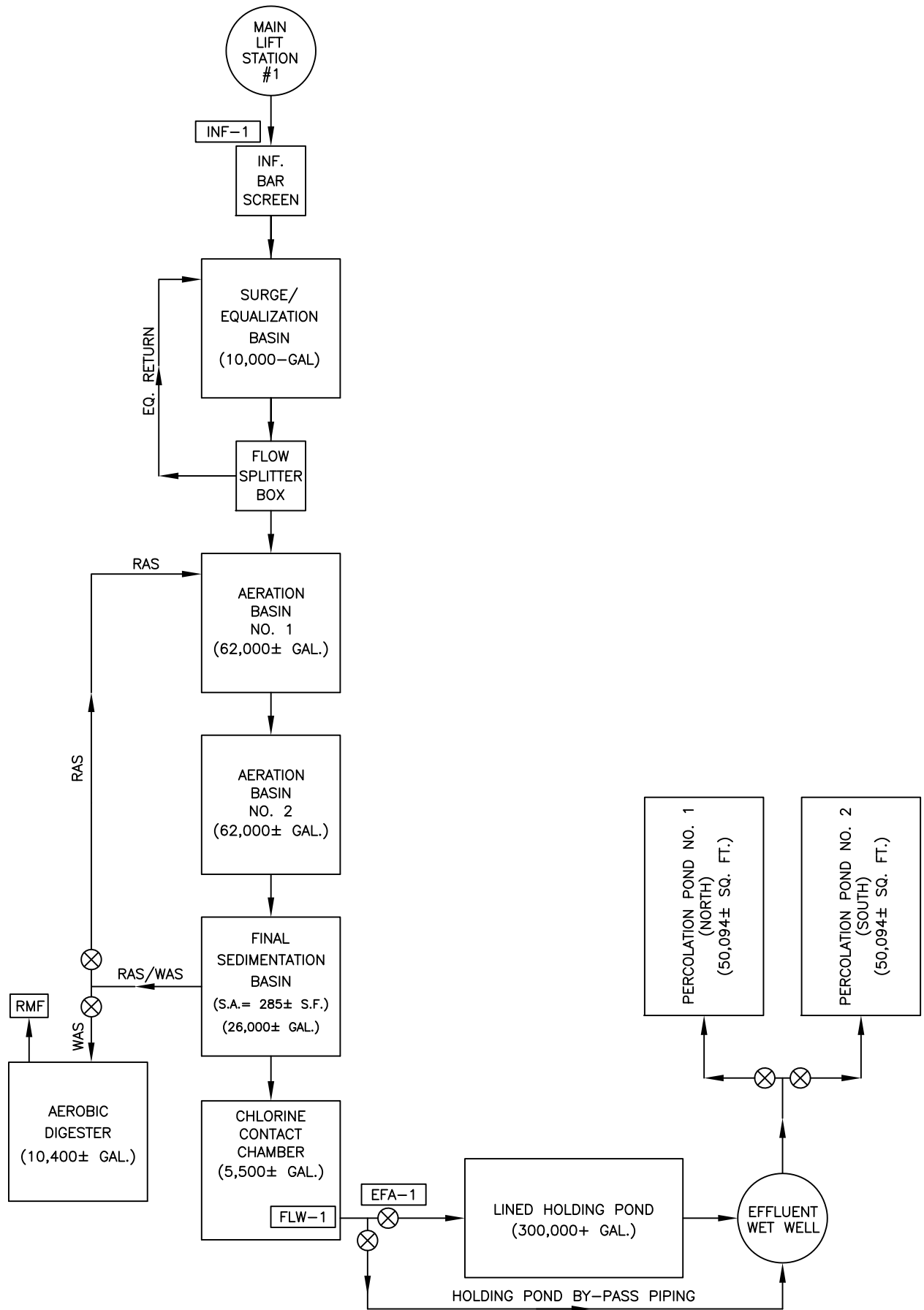
LANDFAIR WWTF
FLA010722
SERVICE AREA MAP

DNM ENGINEERING & ASSOCIATES, INC.

P.O. BOX 42
OCALA, FLORIDA 34478

FAX (352) 629-2988
(352) 624-2068

***EXISTING
PROCESS FLOW DIAGRAM***



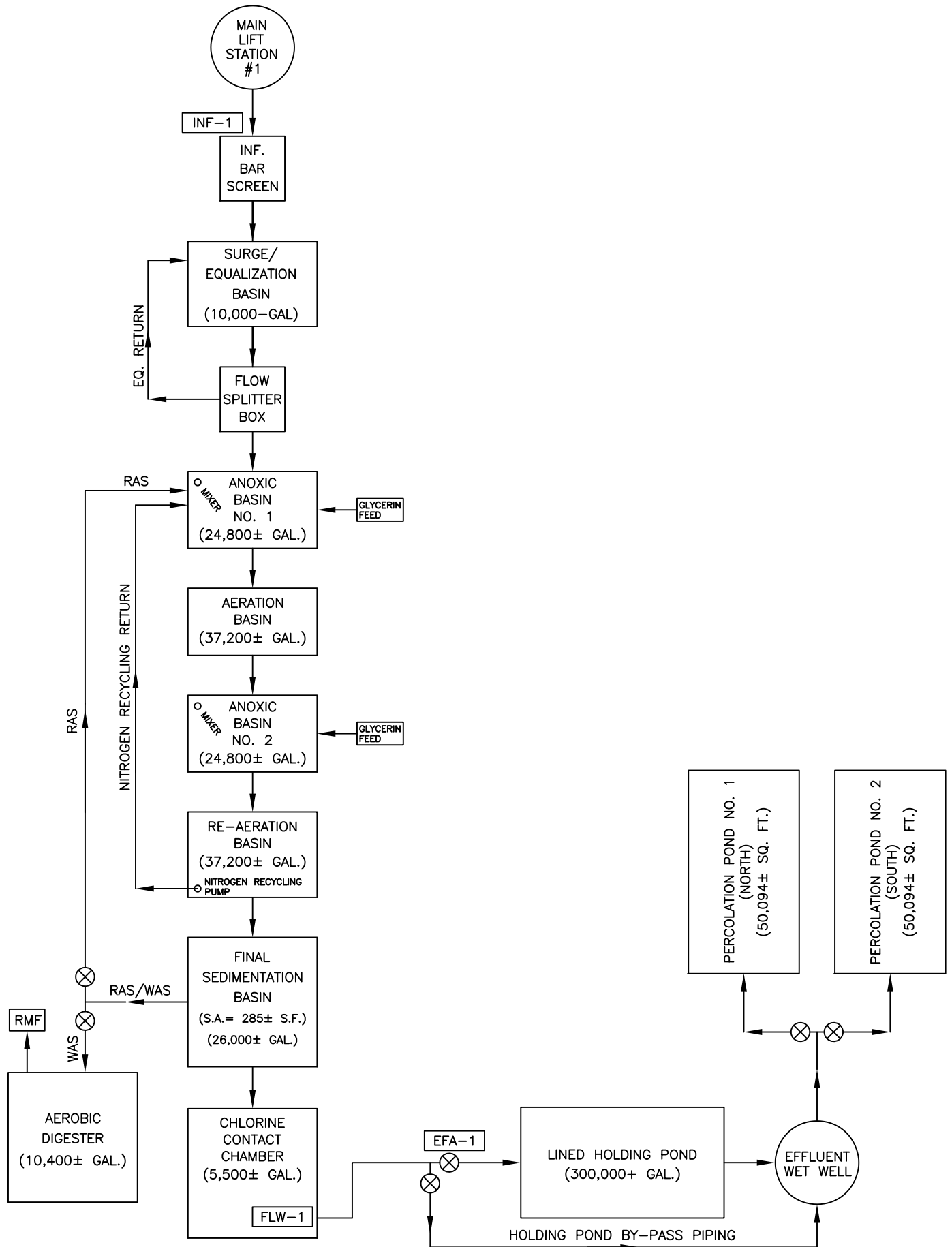
LANDFAIR WWTF
FLA010722
PROCESS FLOW DIAGRAM
(EXISTING)

DNM ENGINEERING & ASSOICATES, INC.

P.O. BOX 42
 Ocala, Florida 34471

FAX (352) 622-6643
 (352) 624-2068

***PROPOSED
PROCESS FLOW DIAGRAM***



LANDFAIR WWTF
FLA010722
PROCESS FLOW DIAGRAM
(PROPOSED)

DNM ENGINEERING & ASSOICATES, INC.

P.O. BOX 42
 OCALA, FLORIDA 34471

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 (352) 624-2068

***WWTF DESIGN PARAMETERS
(EXISTING)***

LANDFAIR WWTF

DESIGN PARAMETERS (EXISTING)

INFLUENT DESIGN PARAMETERS

Flow

Design Plant Influent, GPD	25,000
Design Plant Influent, GPM	17.4
Influent Peak Factor	2.0
Peak Influent, GPD	50,000
Peak Influent, GPM	34.7
Design Equalized Influent, GPM	17.4
Equalized Influent Peak Factor	2.00
Peak Equalized Influent, GPM	34.7

Concentrations

(Metcalf & Eddy, 3rd Ed.)

CBOD ₅ , mg/l	240
TSS, mg/l	240
TKN-N, mg/l	40
NH ₃ , mg/l	25
Organic-N, mg/l	15
NO ₃ , mg/l	0
NO ₂ , mg/l	0
TP, mg/l	8
Alkalinity (as CaCO ₃), mg/l	180

PROCESS PARAMETERS

MLSS Concentration, mg/L	3,250
MLVSS Concentration, mg/L (70% MLSS)	2,275
Mean Cell Residence Time, days	22
Mean Temperature, ° C	20

EFFLUENT DESIGN PARAMETERS

Concentrations

Percent Removal

CBOD ₅ , mg/l	20	92%
TSS, mg/l	20	92%
TN, mg/l	6	85%
TP, mg/l	4	50%
Alkalinity (as CaCO ₃), mg/l	50	

LANDFAIR WWTF DESIGN PARAMETERS (EXISTING)

AERATION

Design Flow, GPD	99,000
BOD ₅ Concentration, mg/l	240
BOD ₅ Loading, lb/day	198.2
BOD ₅ Removal Required (90%), lb/day	178.3
Aeration Volume Provided, gal.	124,000
Detention Time, hrs.	30.0606061
BOD ₅ Loading Rate, lb BOD ₅ /kcf	12.0

CLARIFICATION

Design Average Flow (GPD)	99,000
Design Average Flow (GPM)	68.8
Peak Flow Factor	2.00
Peak Flow, GPD	198,000
Maximum Surface Loading Rate, GPD/SF	1,000 (Metcalf & Eddy, 3rd Ed.)
Minimum Surface Area Required, SF	198
Maximum Weir Overflow Rate, GPD/LF	20,000 (Metcalf & Eddy, 3rd Ed.)
Minimum Weir Length Required, LF	9.9
Minimum Sludge Return Rate, % Avg. Flow	50 (Metcalf & Eddy, 3rd Ed.)
Maximum Sludge Return Rate, % Avg. Flow	150 (Metcalf & Eddy, 3rd Ed.)
Number of Settling Basins Provided	1
Volume of West Settling Basin, gal.	26,000
Volume of East Settling Basin, gal.	0
Total Settling Volume, gal.	26,000
Surface Area West Basin, SF	285
Surface Area East Basin, SF	-
Total Surface Area Provided, SF	285
Weir Length of Each Basin, LF	32.5
Total Weir Length Provided, LF	32.5
Total Surface Loading Rate @ Peak Flow, GPD/SF	695
Total Weir Overflow Rate @ Peak Flow, GPD/LF	6,092
Minimum Sludge Return Rate, GPM	34.4
Maximum Sludge Return Rate, GPM	103.1
Design Flow Capacity With One Basin Off-line, % of Peak Flow (Based on limiting factor of surface loading rate) (Meets Class III Reliability)	0% No

LANDFAIR WWTF DESIGN PARAMETERS (EXISTING)

DISINFECTION

Average Flow, GPD	99,000	
Peak Flow Factor	2.00	
Peak Flow, GPD	198,000	
Peak Flow, GPM	137.5	
Minimum Contact Time Required @ Peak Flow & TRC=0.5mg/L, Min.	15	CH. 62-600.440(5)(c)3
Minimum Chlorine Contact Basin Vol. Required @ TRC =0.5mg/L, gal	2,063	
Design Sodium Hypochlorite Dosage, mg/L	8.0	
Design Sodium Hypochlorite Dosage, lb/day	6.6	
Design peak feed rate (10% solution), GPD	15.8	
Number of Chlorine Contact Basins Provided	1	
Volume of Each Chlorine Contact Basin, gal.	5,500	
Total Chlorine Contact Basin Volume, gal.	5,500	
Total Contact Time @ Peak Flow, min.	40	
Design Flow Capacity With One Basin Off-line, % of Peak Flow	0%	
(Meets Class III Reliability)	No	

AEROBIC DIGESTER

Average Flow, GPD	99,000	
BOD ₅ Concentration, mg/l	240	Metcalf & Eddy
BOD ₅ Loading, lb/day	198.2	
Mean Cell Residence Time, days	25	Metcalf & Eddy
MLSS Concentration, mg/L	2,500	Metcalf & Eddy
MLVSS Concentration, mg/L (70% MLSS)	1,750	
MLVSS Concentration, lb/day	1,444.9	
F/M Ratio	0.14	
WAS Concentration, mg/L	6,000	Metcalf & Eddy
WAS to maintain MCRT, lb/day	57.8	
WAS Volume, GPD	1,650	
Density of Water, lb/CF	62.4	
Specific Gravity of WAS	1.015	
Volume of Solids (2%) Produced, GPD	341	
Sludge Storage Volume for Production, Days	30	
Sludge Storage Volume for Production, Gallons	10,239	
Additional Sludge Storage Vol. for Supernatant Separation (25%)	2,560	Ten States Standards
Total Sludge Storage Volume Required, Gallons	12,798	
Sludge Storage Volume Provided, Gallons	10,400	

LANDFAIR WWTF

DESIGN PARAMETERS (EXISTING)

AIR REQUIREMENTS

Equalization

Equalization Volume, Gallons	10,000
Equalization Volume, CF	1,337
Equalization Air Required (1.5 scfm/ 1,000 gal.), scfm	15.0 (Metcalf & Eddy, 3rd Ed.)

Aeration

Average Flow, MGD	0.099
BOD ₅ Concentration, mg/l	240 (Metcalf & Eddy, 3rd Ed.)
TKN Concentration, mg/l	40 (Metcalf & Eddy, 3rd Ed.)
O ₂ Required for BOD ₅ Reduction-extended air, lbs O ₂ /lbs BOD ₅	1.5
O ₂ Required for TKN Reduction-extended air, lbs O ₂ /lbs TKN	4.57
Safety Factor	1.5
$O_2 = Q(kS_o + 4.57 \text{ TKN}) \times 8.34 \times \text{SF}$	(Metcalf & Eddy, 3rd Ed.)
Oxygen required for aeration, lbs O ₂ /day	672.3
Oxygen Transfer Efficiency, %	8%
Density of air at STP, lbs./CF	0.075
Percent of O ₂ in Air, %	23.2%
$Q_{air} = O_2 \div (\rho_{air} \times OTE \times \%O_2) \div 1440 \text{ minutes/day}$	(Metcalf & Eddy, 3rd Ed.)
Air required for BOD ₅ & TKN reduction, SCFM	335.4

Air Eductors and Skimmers

Number of air eductors	2.0
Air eductor -Air Required (15 scfm/ eductor), scfm	30.0
Number of air skimmers	2.0
Air skimmer -Air Required (8 scfm/ skimmer), scfm	16.0

Aerobic Digester

Aerobic Digester Volume, Gallons	10,400
Aerobic Digester Volume, CF	1390.4
Aerobic Digester Air Required (30 scfm/ 1,000 CF), scfm	41.7 Ten States Standards

Air Diffuser Pressure Requirements

Water Depth Above Diffuser, ft	11.0
Pressure per foot of H ₂ O depth above diffuser, psi	0.54
Minimum Pressure Required, psi	5.94

Total Air Required for Aeration, Eductors, Skimmers, scfm	381.4
Total Air Required for Equalization & Digesters, scfm	56.7

***WWTF DESIGN PARAMETERS
(PROPOSED)***

LANDFAIR WWTF

DESIGN PARAMETERS (PROPOSED)

INFLUENT DESIGN PARAMETERS

Flow

Design Plant Influent, GPD	99,000
Design Plant Influent, GPM	68.8
Influent Peak Factor	2.0
Peak Influent, GPD	198,000
Peak Influent, GPM	137.5
Design Equalized Influent, GPM	68.8
Equalized Influent Peak Factor	2.00
Peak Equalized Influent, GPM	137.5

Concentrations

(Metcalf & Eddy, 3rd Ed.)

CBOD ₅ , mg/l	240
TSS, mg/l	240
TKN-N, mg/l	40
NH ₃ , mg/l	25
Organic-N, mg/l	15
NO ₃ , mg/l	0
NO ₂ , mg/l	0
TP, mg/l	8
Alkalinity (as CaCO ₃), mg/l	180

PROCESS PARAMETERS

MLSS Concentration, mg/L	3,250
MLVSS Concentration, mg/L (70% MLSS)	2,275
Mean Cell Residence Time, days	22
Mean Temperature, ° C	20

EFFLUENT DESIGN PARAMETERS

Concentrations

Percent Removal

CBOD ₅ , mg/l	20	92%
TSS, mg/l	20	92%
TN, mg/l	3	93%
TP, mg/l	4	50%
Alkalinity (as CaCO ₃), mg/l	50	

LANDFAIR WWTF DESIGN PARAMETERS (PROPOSED)

ANOXIC

Anoxic Volume Provided, gal.	49,600
Detention Time, hrs.	12.0242424

AERATION

Design Flow, GPD	99,000
BOD ₅ Concentration, mg/l	240
BOD ₅ Loading, lb/day	198.2
BOD ₅ Removal Required (90%), lb/day	178.3
Aeration Volume Provided, gal.	74,400
Detention Time, hrs.	18.0363636
BOD ₅ Loading Rate, lb BOD ₅ /kcf	19.9

CLARIFICATION

Design Average Flow (GPD)	99,000
Design Average Flow (GPM)	68.8
Peak Flow Factor	2.00
Peak Flow, GPD	198,000
Maximum Surface Loading Rate, GPD/SF	1,000 (Metcalf & Eddy, 3rd Ed.)
Minimum Surface Area Required, SF	198
Maximum Weir Overflow Rate, GPD/LF	20,000 (Metcalf & Eddy, 3rd Ed.)
Minimum Weir Length Required, LF	9.9
Minimum Sludge Return Rate, % Avg. Flow	50 (Metcalf & Eddy, 3rd Ed.)
Maximum Sludge Return Rate, % Avg. Flow	150 (Metcalf & Eddy, 3rd Ed.)
Number of Settling Basins Provided	1
Volume of West Settling Basin, gal.	26,000
Volume of East Settling Basin, gal.	0
Total Settling Volume, gal.	26,000
Surface Area West Basin, SF	285
Surface Area East Basin, SF	-
Total Surface Area Provided, SF	285
Weir Length of Each Basin, LF	32.5
Total Weir Length Provided, LF	32.5
Total Surface Loading Rate @ Peak Flow, GPD/SF	695
Total Weir Overflow Rate @ Peak Flow, GPD/LF	6,092
Minimum Sludge Return Rate, GPM	34.4
Maximum Sludge Return Rate, GPM	103.1

Design Flow Capacity With One Basin Off-line, % of Peak Flow (Based on limiting factor of surface loading rate) (Meets Class III Reliability)	0% No
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LANDFAIR WWTF DESIGN PARAMETERS (PROPOSED)

DISINFECTION

Average Flow, GPD	99,000	
Peak Flow Factor	2.00	
Peak Flow, GPD	198,000	
Peak Flow, GPM	137.5	
Minimum Contact Time Required @ Peak Flow & TRC=0.5mg/L, Min.	15	CH. 62-600.440(5)(c)3
Minimum Chlorine Contact Basin Vol. Required @ TRC =0.5mg/L, gal	2,063	
Design Sodium Hypochlorite Dosage, mg/L	8.0	
Design Sodium Hypochlorite Dosage, lb/day	6.6	
Design peak feed rate (10% solution), GPD	15.8	
Number of Chlorine Contact Basins Provided	1	
Volume of Each Chlorine Contact Basin, gal.	5,500	
Total Chlorine Contact Basin Volume, gal.	5,500	
Total Contact Time @ Peak Flow, min.	40	
Design Flow Capacity With One Basin Off-line, % of Peak Flow	0%	
(Meets Class III Reliability)	No	

AEROBIC DIGESTER

Average Flow, GPD	99,000	
BOD ₅ Concentration, mg/l	240	Metcalf & Eddy
BOD ₅ Loading, lb/day	198.2	
Mean Cell Residence Time, days	25	Metcalf & Eddy
MLSS Concentration, mg/L	2,500	Metcalf & Eddy
MLVSS Concentration, mg/L (70% MLSS)	1,750	
MLVSS Concentration, lb/day	1,444.9	
F/M Ratio	0.14	
WAS Concentration, mg/L	6,000	Metcalf & Eddy
WAS to maintain MCRT, lb/day	57.8	
WAS Volume, GPD	1,650	
Density of Water, lb/CF	62.4	
Specific Gravity of WAS	1.015	
Volume of Solids (2%) Produced, GPD	341	
Sludge Storage Volume for Production, Days	30	
Sludge Storage Volume for Production, Gallons	10,239	
Additional Sludge Storage Vol. for Supernatant Separation (25%)	2,560	Ten States Standards
Total Sludge Storage Volume Required, Gallons	12,798	
Sludge Storage Volume Provided, Gallons	10,400	

LANDFAIR WWTF DESIGN PARAMETERS (PROPOSED)

AIR REQUIREMENTS

Equalization

Equalization Volume, Gallons	10,000
Equalization Volume, CF	1,337
Equalization Air Required (1.5 scfm/ 1,000 gal.), scfm	15.0 (Metcalf & Eddy, 3rd Ed.)

Aeration

Average Flow, MGD	0.099
BOD ₅ Concentration, mg/l	240 (Metcalf & Eddy, 3rd Ed.)
TKN Concentration, mg/l	40 (Metcalf & Eddy, 3rd Ed.)
O ₂ Required for BOD ₅ Reduction-extended air, lbs O ₂ /lbs BOD ₅	1.5
O ₂ Required for TKN Reduction-extended air, lbs O ₂ /lbs TKN	4.57
Safety Factor	1.5
$O_2 = Q(kS_o + 4.57 \text{ TKN}) \times 8.34 \times \text{SF}$	(Metcalf & Eddy, 3rd Ed.)
Oxygen required for aeration, lbs O ₂ /day	672.3
Oxygen Transfer Efficiency, %	8%
Density of air at STP, lbs./CF	0.075
Percent of O ₂ in Air, %	23.2%
$Q_{air} = O_2 \div (\rho_{air} \times OTE \times \%O_2) \div 1440 \text{ minutes/day}$	(Metcalf & Eddy, 3rd Ed.)
Air required for BOD ₅ & TKN reduction, SCFM	335.4

Air Eductors and Skimmers

Number of air eductors	2.0
Air eductor -Air Required (15 scfm/ eductor), scfm	30.0
Number of air skimmers	2.0
Air skimmer -Air Required (8 scfm/ skimmer), scfm	16.0

Aerobic Digester

Aerobic Digester Volume, Gallons	10,400
Aerobic Digester Volume, CF	1390.4
Aerobic Digester Air Required (30 scfm/ 1,000 CF), scfm	41.7 Ten States Standards

Air Diffuser Pressure Requirements

Water Depth Above Diffuser, ft	11.0
Pressure per foot of H ₂ O depth above diffuser, psi	0.54
Minimum Pressure Required, psi	5.94


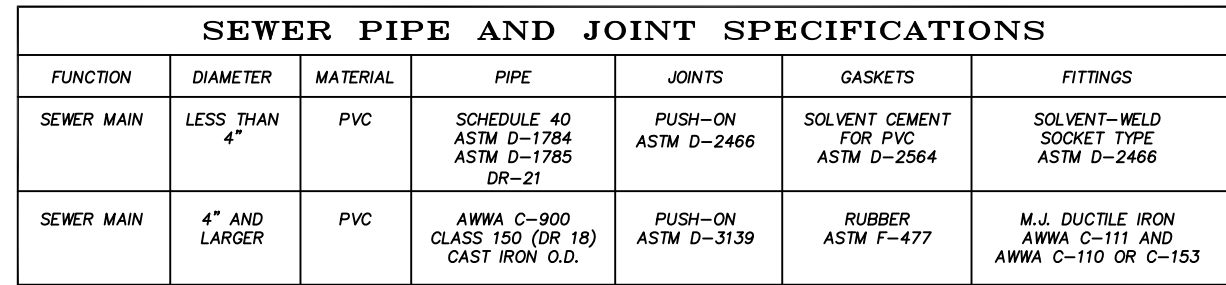
Total Air Required for Aeration, Eductors, Skimmers, scfm	381.4
Total Air Required for Equalization & Digesters, scfm	56.7

ENGINEERING PLANS & SPECIFICATIONS

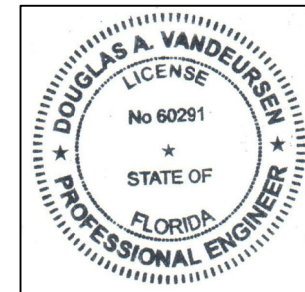
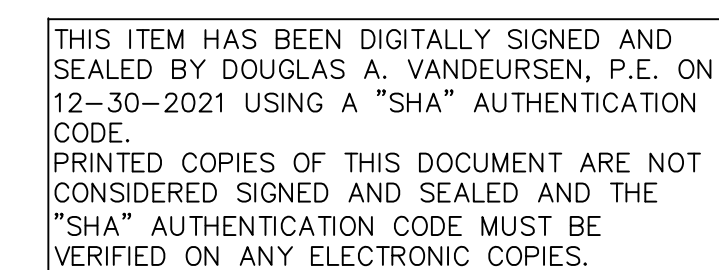
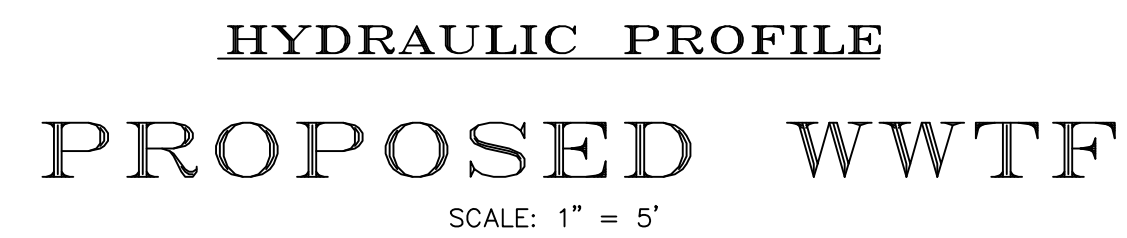


P.O. BOX 42
(352) 624-2068
DOUGLAS A. VANDEURSEN, P.E. #60291
WALTER M. BLACKMAN, P.E. #61617

OCALA, FLORIDA 34478
FAX (352) 622-6643
CAN: 9724



DOUGLAS A. VANDEURSE
LICENSE
No 60291
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



*DNM ENGINEERING &
ASSOCIATES, INC.*

P.O. BOX 42
(352) 624-2068
DOUGLAS A. VANDEURSEN, P.E. #60291
WALTER M. BLACKMAN, P.E. #61617
OCALA, FLORIDA 34478
FAX (352) 622-6643
CAN: 9724

HYDRAULIC PROFILES

LANDFAIR

MIDPOINT OF N.W. 77TH LOOP
OCALA, MARION COUNTY, FLORIDA

[illegible]

Project No. 21-094

WW3

Sheet 3 Of 3

SIGNATURE FILE ENGINEER REPORT/COVER LETTER

ELECTRONIC WW PERMIT APPLICATION SUBMITTAL

PAYMENT WILL BE (MADE ONLINE or BY CHECK)

Professional Engineer's Name: Douglas A. VanDeursen, P.E.

Professional Engineer's Number: 60291

Date of Document Sealing: December 30, 2021

Professional Engineer's Contact Information (Company, Address, Telephone number, and Email address):

DNM Engineering & Associates, Inc.

P.O. Box 42

Ocala, Florida 34478

Office: (352) 624-2068

Email: dnmengineering@embarqmail.com

Name and Description of the Project: Landfair WWTF Permit Renewal & Substantial Modification

PWS ID Number, WW Facility ID Number, or other Facility ID Number, Permit or Application Number, where applicable: Facility I.D. No.: FLA010722

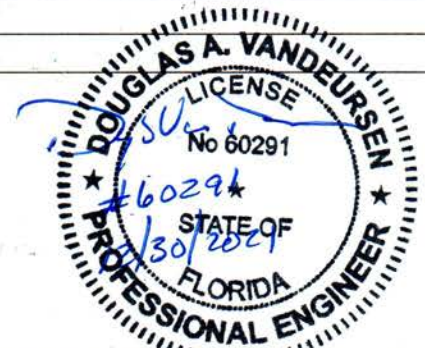
Site Name: Landfair WWTF

Check Number (if known): _____

Brief overall description of the engineering documents in question Permit Renewal & Substantial Modification Request

Name of Document	Number of pages	SHA-1 Authorization Code (Digest)
LF WWTF PR & SM Applications 12-30-2021	170	01 01 99 DB C4 BA 74 79 A8 BB 03 DA 2B 4A C8 20 6B 56 22 EC
LF WWTF PER 12-30-2021	34	"
LF WWTF Engineering Plans 12-30-2021	3	"

Professional Engineer's Certification Statement (Signed, Dated, and Sealed)



This item has been digitally signed and sealed by Douglas A. VanDeursen, P.E. on 12-30-2021 using a "SHA" Authentication Code. Printed copies of this document are not considered signed and sealed and the "SHA" Authentication Code must be verified on any electronic copies.

(Seal)



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

REQUEST FOR ADDITIONAL INFORMATION

January 10, 2022

Charles Demenzes, President
CFAT H2O, Inc
PO Box 5220
Ocala, Florida 34478-5220
Charlie@altfo.com

Re: First Request for Additional Information (RAI)
Marion County – Wastewater
Facility Name: Landfair WWTF
Facility ID: FLA010722
DEP Application No.: FLA010722-008-DW3P/NR

Dear Mr. Demenzes:

Thank you for your application for permit renewal with substantial modifications submitted on January 3, 2022 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.

To continue the processing of your application, the Department must receive a response within 90 days of this letter, April 9, 2022, 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,

A handwritten signature in black ink, reading "Lucas Grantham". The signature is fluid and cursive, with the first name "Lucas" and last name "Grantham" clearly distinguishable.

Lucas Grantham
Environmental Manager
Permitting and Waste Cleanup Program

v. 1.9

cc:

FDEP: Charles LeGros, Lucas Grantham, Alex Courneya, Anil Desai, Carolyn Hall
Douglas A. VanDeursen, PE., DNM Engineering, dnmegineering@embarqmail.com

Attached: List of Requested Information

Attachment: List of Requested Information

CFAT H2O, Inc

Facility Name: Landfair WWTF

Facility ID: FLA010722

DEP Application No.: FLA010722-008-DW3P/NR

1. Please provide any updates to the proposed corrective action items in Operations and Maintenance Performance Report (OMPR) including the evaluation of the collection system. Provide estimated completion date for any items that are not corrected.
2. Provide the operator's signature for page 4 of the OMPR.
3. The facility is required to have a collection system operation and maintenance (O&M) manual. The detail of the operation and maintenance manual shall be consistent with the complexity of the system. The manual shall provide the operator with adequate information and description regarding the design, operation, and maintenance features of the facility involved, including an emergency response plan. The emergency response plan shall assess system security including cybersecurity; water quality monitoring for sanitary sewer overflows affecting surface waters; and, hurricane and severe storm preparedness and response. Please confirm the facility has a collection system O & M manual. If the facility does not, propose an estimated completion date to create one. [62-604.500(4)]
4. The permitting section understands the facility is working jointly with the Department's compliance and permitting sections with the permit renewal and modification submittal. The Department's compliance section will have to be satisfied with the facility plans to meet nutrient levels associated with the Silver Springs BMAPs prior to the permit issuance as well as any proposed modifications to Consent Order 21-0360.
5. The background well MWB-1 has been reported dry for last 5 years or so, which is not acceptable. Monitoring of background well on a regular basis is critical for the compliance evaluation purposed and it must be replaced. Please acknowledge that the existing well MWB-1 will be replaced by well MWB-1R in a close proximity of the existing well. The new well should be installed in such a way as to encounter at least 8 feet of water column in the monitor well (Rule 62-520 FAC).
6. The Department will provide the Well Completion Report Form with the new permit and this form should be submitted incorporating the Top of Casing and Ground Surface elevations in Feet, NGVD, the GPS Coordinates and a boring log (Rule 62-520 FAC).
7. All groundwater monitoring results should be submitted on the groundwater DMR including the laboratory Method Detection Limits and not report NSR (no sample results) per Rule 62-520 FAC.
8. Since a timely submittal (180 days prior to expiration) was not made for the renewal of this permit, which expires on (April 9, 2022), it is imperative that the application be made complete as soon as possible. [62-620.335(1)]



St. Johns River Water Management District
Annual Statement of Continuing Use



PERMIT INFORMATION

CONSUMPTIVE USE PERMIT NUMBER: 3077-3 COMPLIANCE ITEM: 1414181

PERMITTEE NAME: CFAT H2O INC

PROJECT NAME: Landfair

AUTHORIZATION STATEMENT:

--

CONTINUING USE

Do you still own, lease, or control the property on which the permitted withdrawal point(s) is located?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Did you use water for the purposes identified in the authorization statement above during the past calendar year?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If you answered No to either of these questions, please explain below: <hr/>		

SUBMITTER INFORMATION

NAME (Please Print): debbie dillon DATE: 02/02/2022
EMAIL ADDRESS: debbie@alternativephone.com PHONE NUMBER: 3527328759

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.

Please submit online at www.sjrwmd.com/permitting or mail form to St. Johns River Water Management District, PO Box 1429, Palatka, FL 32178-1429

EXHIBIT M

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

August 4, 2021

Mr. Charles deMenzes
C.F.A.T. H2O, Inc.
P.O.Box 5220
Ocala, FL 34478

WS-2021-0065

Re: Application for 2021 Price Index Rate Adjustment for C.F.A.T. H2O, Inc. for water & wastewater in Marion County.

Dear Mr. deMenzes:

The following tariff sheets have been approved effective September 1, 2021:

Water Tariff

Seventh Revised Sheet No. 12.0
Seventh Revised Sheet No. 13.0

Wastewater Tariff

Sixth Revised Sheet No. 12.0
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,

A handwritten signature in cursive script that reads "Judy G. Harlow".
Judy Harlow
Director

JH:hb
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 -

<u>Meter Sizes</u>	<u>Base Facility Charge</u>
5/8" x 3/4"	\$ 12.28
1"	\$ 30.70
1 1/2"	\$ 61.40
2"	\$ 98.24
3"	\$ 196.48
4"	\$ 307.00
Charge per 1,000 gallons	\$ 5.80

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

WS-2021-0065

CHARLES deMENZES
ISSUING OFFICER

PRESIDENT
TITLE

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 –

<u>Meter Sizes</u>	<u>Base Facility Charge</u>
5/8" x 3/4"	\$ 12.28
1"	\$ 30.70
1 1/2"	\$ 61.40
2"	\$ 98.24
3"	\$ 196.48
4"	\$ 307.00
Charge per 1,000 gallons	
0 - 3,000 gallons	\$ 4.20
3,001 – 6,000 gallons	\$ 7.77
Over 6,000 gallons	\$ 11.65

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

WS-2021-0065

CHARLES deMENZES
ISSUING OFFICER

PRESIDENT
TITLE

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 -

<u>Meter Sizes</u>	<u>Base Facility Charge</u>
5/8" x 3/4"	\$ 16.79
1"	\$ 41.98
1 1/2"	\$ 83.95
2"	\$ 134.32
3"	\$ 268.64
4"	\$ 419.75
Charge per 1,000 gallons	\$ 4.61

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

WS-2021-0065

CHARLES deMENZES
ISSUING OFFICER

PRESIDENT
TITLE

RESIDENTIAL SERVICE

RATE SCHEDULE (RS)

<u>AVAILABILITY</u> -	Available throughout the area served by the Company.		
<u>APPLICABILITY</u> -	For wastewater service for all purposes in private residences and individually metered apartment units.		
<u>LIMITATIONS</u> -	Subject to all of the Rules and Regulations of this Tariff and General Rules and Regulations of the Commission.		
<u>BILLING PERIOD</u> -	Monthly		
<u>RATE</u> -			
	<u>Meter Size</u>	<u>Base Facility Charge</u>	
	All Meter Sizes	\$	16.79
	Charge per 1,000 gallons 10,000 gallon cap	\$	4.61
<u>MINIMUM CHARGE</u> -	Base Facility Charge		
<u>TERMS OF PAYMENT</u> -	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

WS-2021-0065

CHARLES deMENZES
ISSUING OFFICER

PRESIDENT
TITLE

EXHIBIT N

Tradewinds Utilities, Inc.

CLASS "A" OR "B"

WATER AND/OR WASTEWATER UTILITIES

(Gross Revenue of More Than \$200,000 Each)

ANNUAL REPORT

OF

WS350-20-AR
Charles de Menzes
Tradewinds Utilities, Inc.
P. O. Box 5220
Ocala, FL 34478-5220

OFFICIAL COPY
Public Service Commission
Do Not Remove From This Office

Submitted To The

STATE OF FLORIDA

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED December 31, 2020

CLASS A / B ANNUAL REPORT	
NAME OF UTILITY:	Tradewinds Utilities, Inc
YEAR OF REPORT:	<u>December 31, 2020</u>

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.

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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.	E-10
Parent / Affiliate Organization Chart	E-5	Part I and II	
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
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Accounts Receivable from Associated Companies	F-12	Accumulated Amortization of CIAC	F-22
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Miscellaneous Current & Accrued Assets	F-12		

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SCHEDULE	PAGE	SCHEDULE	PAGE
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Water Operating Statement	W-3	Water Utility Expense Accounts	W-10
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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
<input checked="checked" type="checkbox"/> | NO
<input type="checkbox"/> | 1. The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission. |
| YES
<input checked="checked" type="checkbox"/> | NO
<input type="checkbox"/> | 2. The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission. |
| YES
<input checked="checked" type="checkbox"/> | NO
<input type="checkbox"/> | 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. |
| YES
<input checked="checked" type="checkbox"/> | NO
<input type="checkbox"/> | 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 Menzes

(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

(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

☐

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

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 treatment and distribution services to customers in its certificated area.
- C. The primary goal of the Company is to continue rendering quality service to its existing customers.
- D. The Company provides water treatment 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

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.

[illegible]

* 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.

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 water. This would include any business which requires the use of utility land and facilities. Examples of these types of businesses would be orange processing, fertilizer manufacturing, etc. This would not include any business for which the assets are properly included in Account 121 - Nonutility Property, Plant, and Equipment. Revenue and expenses segregated out as nonutility also.

[illegible]

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List each contract, agreement, or other business transaction exceeding a cumulative amount of \$500 in any one 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.

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

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 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 10)
 - (f) Enter the fair market value for each item reported. In space provided on reverse side of schedule, describe the basis used to calculate fair market value.

[illegible]

FINANCIAL SECTION

UTILITY NAME: Tradewinds Utilities, Inc

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**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 Provision for Uncollectible Accounts	F-11	(264.83) 42,365.51	(264.83) 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
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**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

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**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

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**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

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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)

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.

F-3(b)

UTILITY NAME: Tradewinds Utilities, Inc

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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)
415	OTHER INCOME AND DEDUCTIONS 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			\$ -	\$ -
408.20	TAXES APPLICABLE TO OTHER INCOME 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			\$ -	\$ -
427	INTEREST EXPENSE 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	\$ -
433	EXTRAORDINARY ITEMS 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

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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
	Plus or Minus:			
114	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.

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UTILITY NAME: Tradewinds Utilities, Inc

**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)	AT
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

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**UTILITY PLANT
ACCOUNTS 101 - 106**

ACCT. NO. (a)	DESCRIPTION (b)	WATER (c)	WASTEWATER (d)	OTHER THAN REPORTING SYSTEMS (e)	TOTAL (f)
101	Plant Accounts: 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

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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

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**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

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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

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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):		
<u>Water & Wastewater</u>	\$ <u>33,453</u>	
<u>Other</u>	<u> </u>	
Total Customer Accounts Receivable		\$ 33,453
OTHER ACCOUNTS RECEIVABLE (Account 142):		
<u>Employee accounts receivable</u>	\$ <u> </u>	
Total Other Accounts Receivable		\$ -
NOTES RECEIVABLE (Account 144):		
<u>None</u>	\$ <u> </u>	
Total Notes Receivable		\$ -
Total Accounts and Notes Receivable		\$ <u>33,453</u>
ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (Account 143)		
Balance first of year	\$	
Add: <u>Provision for uncollectibles for current year</u>	\$ <u> </u>	
<u>Collection of accounts previously written off</u>	<u> </u>	
<u>Utility Accounts</u>	<u> </u>	
<u>Others</u>	<u> </u>	
Total Additions	\$ -	
Deduct accounts written off during year:		
<u>Utility Accounts</u>	<u> </u>	
<u>Others</u>	<u> </u>	
Total accounts written off	\$ -	
Balance end of year		\$ -
TOTAL ACCOUNTS AND NOTES RECEIVABLE - NET		\$ <u><u>33,453</u></u>

UTILITY NAME: Tradewinds Utilities, Inc

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**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

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**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
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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	\$ -
437	Dividends Declared: 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
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**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			\$ <u>418,340</u>

* 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)			\$ _____ -	

YEAR OF REPORT
December 31, 2020

DESCRIPTION - Provide itemized listing (a)	BALANCE END OF YEAR (b)
Refund Checks Returned	\$ 581
Total Miscellaneous Current and Accrued Liabilities	\$ 581

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	\$ _____ -		\$ _____ -	\$ _____ -	\$ _____ -

F-20

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
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**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, therefore 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

UTILITY NAME:

Tradewinds Utilities, Inc

YEAR OF REPORT

December 31, 2020

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
114	Plus or Minus: 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.

W-4(a)
GROUP 1

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

W-4(b)
GROUP 1

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.

W-6(a)
GROUP 1

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	\$

W-6(b)
GROUP 1

UTILITY NAME:

Tradewinds Utilities, Inc

YEAR OF REPORT

December 31, 2020

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		\$ <u>332,247</u>
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		\$ <u>0</u>
Less debits charged during the year (All debits charged during the year must be explained below)		\$ _____
Total Contributions In Aid of Construction		\$ <u>332,247</u>

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)
460	Water Sales: Unmetered Water Revenue			\$
461.1	Metered Water Revenue: 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
462.1	Fire Protection Revenue: 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
469	Other Water Revenues: 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.

W-9

GROUP 1

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

W-10(a)
GROUP 1

Tradewinds Utilities, Inc**Tradewinds Utilities, Inc / Marion County**

W-10(b)
GROUP 1

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, IncSYSTEM 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): 108,500Location of measurement of capacity
(i.e. Wellhead, Storage Tank): Flow MeterType 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:

- 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.
- If no historical flow data are available, use:

$$ERC = (\text{Total SFR gallons sold (Omit 000)} / 365 \text{ days} / 350 \text{ gallons per day})$$

ERC Calculation:

21,170,000 gallons sold / 470 average SFR Customers / 365 days

218

UTILITY NAME: Tradewinds Utilities, IncSYSTEM 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

December 31, 2020

Tradewinds Utilities, Inc

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 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.

[illegible]

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 Distribution System	0 0			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.

S-4(a)
GROUP _____

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 Distribution System	0 0			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					
392	Stores Equipment	0					
393	Tools, Shop and Garage Equipment	1,135					1,135
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	\$ 6,432

NOTE: Any adjustments made to reclassify property from one account to another must be footnoted.

S-4(b)

GROUP _____

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT

December 31, 2020

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.

S-6(b)
GROUP _____

UTILITY NAME: Tradewinds Utilities, Inc

YEAR OF REPORT
December 31, 2020

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		\$ <u>549,840</u>
Add credits during year:		
Contributions received from Capacity, Main Extension and Customer Connection Charges	S-8(a)	\$ <u>0</u>
Contributions received from Developer or Contractor Agreements in cash or property	S-8(a)	<u> </u>
Total Credits		\$ <u>0</u>
Less debits charged during the year (All debits charged during the year must be explained below)		\$ <u> </u>
Total Contributions In Aid of Construction		\$ <u>549,840</u>

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

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

[illegible]

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				
540.1	Flat Rate Reuse Revenues: 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
541.1	Measured Reuse Revenues: 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	\$	\$	\$

S-10(a)
GROUP _____

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

S-10(b)
GROUP _____

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:

$$ERC = (\text{Total SFR gallons treated (Omit 000)} / 365 \text{ days} / 280 \text{ gallons per day})$$

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.

S-12

GROUP _____

SYSTEM _____

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.

S-13

GROUP _____

SYSTEM _____

**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).

BFF Corp.

CLASS "C"

WATER AND/OR WASTEWATER UTILITIES

(Gross Revenue of Less Than \$200,000 Each)

ANNUAL REPORT

OF

SU595-20-AR
Charles de Menzes
BFF Corp.
P. O. Box 5220
Ocala, FL 34478-5220

OFFICIAL COPY
Public Service Commission
Do Not Remove From This Office

Submitted To The

STATE OF FLORIDA

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED
December 31, 2020

**Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Wastewater Operations
Class C**

Company: BFF Corp

For the Year Ended December 31, 2013

(a)	(b)	(c)	(d)
Accounts	Gross Wastewater Revenues Per Sch. F-3	Gross Wastewater Revenues Per RAF Return	Difference (b) - (c)
Gross Revenue:			
Residential	87,565.50	87,565.50	\$ _____
Commercial	_____	_____	_____
Industrial	_____	_____	_____
Multiple Family	_____	_____	_____
Guaranteed Revenues	_____	_____	_____
Other	533.42	533.42	_____
Total Wastewater Operating Revenue	88,098.92	88,098.92	\$ _____
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility	25,958.00	25,958.00	_____
Net Wastewater Operating Revenues	62,140.92	62,140.92	\$ _____

Explanations:

Instructions:

For the current year, reconcile the gross wastewater revenues reported on Schedule F-3 with the gross wastewater revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

UTILITY NAME **BFF CORP.**

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Verification	V-1

REPORT OF

**BFF CORP.
PO BOX 5220
OCALA, FL 34478-5220**

1552 SW 7th Road MARION COUNTY

Telephone Number 352-622-4949

Date Utility First Organized Sep-83

Fax Number 352-732-4366

E-Mail Address **charlie@altfo.com**

Sunshine State One-Call of Florida, Inc. Member No. **MIR598**

Filed with the Internal Revenue Service as 1120S Corporation

Name, Address and phone where records are located 1552 SW 7th Road Ocala, FL 34471
(352) 622-4949

Subdivision where service is provided: Sandlin Woods, Village of Ascot Heath, Forrest Villas I & II

CONTACTS

Name	Title	Principal Business Address	Salary Charged
Person to send Correspondence Charles deMenzes	President	PO Box 5220 Ocala, FL 34478	
Person who prepared this report Charles deMenzes	President	PO Box 5220 Ocala, FL 34478	18,000
Officers and Managers			
Charles deMenzes	President	PO Box 5220 Ocala, FL 34478	18,000
Deborah Dillon	VP/Manager	Same	

Report every Corporation or person owning or holding directly or indirectly 5 percent or more of the voting securities of the reporting utility.

Name	Percent of Ownership in Utility	Principal Business Address	Salary Charged
Charles deMenzes Revocable Trust	100%	PO Box 5220 Ocala, FL 34478	

BFF CORP.

FINANCIAL SECTION

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

INCOME STATEMENT

ACCOUNT NAME	REF Page	WATER N/A	WASTEWATER	OTHER	TOTAL COMPANY
Gross Revenue					
Residential			87,566		87,566
Commercial					-
Other (Write offs)					-
Turn on Charges			533		533
Total Gross Revenue			88,099		88,099
Operation Expense (Must tie to Pages W-3 & S-3)	W-3 S-3		94,284		94,284
Depreciation Expense	F-5		8,412		8,412
CIAC Amortization Expense	F-8		(1,287)		(1,287)
Plant Abandonment Amortization					-
Taxes other than Income	F-7		2,795		2,795
Total Operating Expenses			104,204		104,204
Net Operating Income (Loss)			(16,105)		(16,105)
Other Income: Non Utility Income					
Other Deductions:					
Interest Expense			209		209
Other Expenses			120		120
Loan Cost Amortization					-
Net Income (Loss)			(16,434)		(16,434)

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31, 2020
--

REVISED
COMPARATIVE BALANCE SHEET

Account Name	Reference Page	Current Year	Previous Year
Assets:			
Utility Plant in Service (101-105)	F-5,W-1,S-1	271,771	264,621
Accumulated Depreciation and Amortization (108)	F-5,W-2,S-2	(204,909)	(196,497)
Net Utility Plant:		66,862	68,124
Cash		2,562	1,115
Customer Accts Receivable (141)		8,224	7,957
Other Assets			407
Utility Deposit			
Unamortized Debt Discount		-	
Retired Assets, Net of Amortization			
Total Assets		77,648	77,603
Liabilities & Capital			
Common Stock Issued (201)	F-6	1,000	1,000
Stockholder Loan			
Other Paid in Capital (211)		392,105	395,105
Retained Earnings (215)	F-6	(357,280)	(340,846)
Total Capital		35,825	55,259
Long Term Debt (224)	F-6	12,500	
Accounts Payable (231)		7,415	
Notes Payable (232)			
Customer Deposits (235)		6,360	5,400
Accrued Taxes (236)		124	2,575
Other Liabilities (Specify)			164
Stockholder Loan			120
Contributions in Aid of Construction-Net (271-272)	F-8	15,244	14,085
Total Liabilities & Capital		77,468	77,603

UTILITY NAME BFF CORP.

<p>YEAR OF REPORT</p> <p>December 31, 2020</p>
--

GROSS UTILITY PLANT

Plant Accounts (101-107) Inclusive	Water N/A	Wastewater	Total
Utility Plant in Service (101)		264,621	264,621
Additions to Plant		7,150	7,150
Total Utility Plant		271,771	271,771

ACCUMULATED DEPRECIATION AND AMORTIZATION OF UTILITY PLANT

Account (108)	Water N/A	Wastewater	Total
Balance first of Year		196,497	196,497
Add Credits During Year			
Accruals charged to Depreciation Account		8,412	8,412
Total Credits		8,412	8,412
Deduct Debits During Year			
Balance End of year		204,909	204,909

UTILITY NAME **BFF CORP.**

YEAR OF REPORT
December 31,2020

CAPITAL STOCK (201-204)

	Common Stock	Preferred Stock
Par or stated value per share	1.00	
Shares authorized	1,000	
Shares issued and outstanding	1,000	
Total par value of stock issued	1,000	
Dividends declared per share for year	-	

RETAINED EARNINGS (215)

	Appropriated	Un-Appropriated
Balance first of year		(340,846)
Changes during the year (specify)		
Less Current Year operating profit		(16,434)
Balance End of year		(357,280)

LONG TERM DEBT (224)

Description of Obligation (Including Nominal Date of Issue and Date of Maturity)	Interest Rate Pymts	Principal per Balance Sheet Date
		-
Total		-

UTILITY NAME **BFF CORP.**

YEAR OF REPORT
December 31, 2020

TAXES PAID

	Water N/A (b)	Wastewater ©	Other (d)	Total (e)
Income Taxes:				-
Federal income tax _____				-
State income Tax _____				-
Taxes Other Than Income:				-
State ad valorem tax _____				-
Payroll Tax Expense _____				-
Other tax _____				-
Regulatory assessment fee _____		2,795		2,795
Other (Specify) _____				-
_____				-
_____				-
Total Tax Expense _____	0	2,795	-	2,795

PAYMENTS FOR SERVICES RENDERED BY OTHER THAN EMPLOYEES

Report all information concerning rate, management, construction, advertising, labor relations, public relations, or other similar professional services rendered the respondent for which aggregate payments during the year to any corporation, partnership, individual, or organization of any kind whatever, amounting to \$500 or more.

Name of Recipient	Water Amount N/A	Wastewater Amount	Description of Service
MIRA International, Inc.		9,000	Management & Maintenance Accounting Fees

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

CONTRIBUTIONS IN AID OF CONSTRUCTION (271)

(a)	Water (b)	Wastewater ©	Total (d)
1) Balance first of year		39,416	39,416
2) Add Credits during year			
3) Total		39,416	39,416
5) Balance end of year		41,036	41,036
6) Less Accumulated Amortization		(15,372)	(15,372)
7) Net CIAC		25,664	25,664

ACCUMULATED AMORTIZATION OF CIAC

	Water N/A	Wastewater	Total
Balance First of Year		14,085	14,085
Add Credits During Year		1,287	1,287
Deduct Debits During Year			
Balance End of Year (must agree with line #6 above)		15,372	15,372

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

Schedule "A"

Schedule of Cost of Capital used for AFUDC Calculation

N/A

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31, 2020

Schedule "B"

Schedule of Capital Structure Adjustments

N/A

UTILITY NAME BFF Corp.

WATER OPERATING SECTION N/A

BFF CORP.

WASTEWATER OPERATING SECTION

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

WASTEWATER UTILITY PLANT ACCOUNTS

ACCT NO. (a)	ACCOUNT DESCRIPTION (b)	PREVIOUS YEAR ©	ADDITIONS (d)	DELETIONS (e)	CURRENT YEAR (f)
350	UNAMORTIZED DEBT DISCOUNT	-			-
351	ORGANIZATION	2,411			2,411
352	FRANCHISES	-			-
353	LAND AND LAND RIGHTS	1,579			1,579
354	STRUCTURES & IMPROVEMENTS	8,240			8,240
360	FORCE MAIN COLLECTION LINES	117,528			117,528
361	GRAVITY FEED COLLECTION LINES	77,795			77,795
362	SPECIAL COLLECTION STRUCTURES	18,168			18,168
363	SERVICES	6,219			6,219
365	FLOW MEASURING DEVICE	383	7,150		7,533
370	RECEIVING WELLS (MANHOLES & LIFT STATIONS)	32,298			32,298
380	TREATMENT & DISPOSAL EQUIP	-			-
382	OUTFALL SEWER LINES	-			-
389	OTHER PLANT & MISC EQUIPMENT				
398	PSC ADJUSTMENT				
	TOTALS	264,621	7,150	-	271,771

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

ANALYSIS OF ACCUMULATED DEPRECIATION BY PRIMARY ACCOUNT - WASTEWATER

ACCT NO.	ACCOUNT DESCRIPTION	AVERAGE SERVICE LIFE	DEPR RATE APPLIED	ACCUM BALANCE PREV YR	DEBITS	CREDITS	ACCUM DEPR BALANCE
(a)	(b)	©	(d)	(e)	(f)	(g)	(h)
351	ORGANIZATION	40	2.5000	1,593		60	1,653
354	STRUCTURES & IMPROV	27	3.7037	4,830		305	5,135
360	FORCE MAIN COLL LINES	27	3.7037	80,586		4,352	84,938
361	GRAVITY FEED COLL LINES	40	2.5000	75,683		1,944	77,627
362	SPECIAL COLL STRUCTURES	37	2.7027	9,019		491	9,510
363	SERVICES	35	2.8571	4,117		177	4,294
365	FLOW MEASURING DEVICE	35	2.8751	209		11	220
370	RECEIVING WELLS MH & LIFT STATIONS)	25	4.0000	20,460		1,072	21,532
380	TREATMENT & DISP EQUIP	18	5.5556	-			-
382	OUTFALL SEWER LINES	18	5.5556	-			-
398	PSC AUDIT ADJUSTMENT			-			-
	TOTALS			196,497		8,412	204,909

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

WASTEWATER OPERATION AND MAINTENANCE EXPENSE

ACCT NO.	ACCOUNT NAME	AMOUNT
701	SALARIES & WAGES EMPLOYEES	18,000
703	SALARIES & WAGES OFFICERS	18,000
710	PURCHASE WASTEWATER TREATMENT Utilities Inc.	25,958
711	SLUDGE REMOVAL EXPENSE	6,620
715	PURCHASED POWER	2,278
720	MATERIALS AND SUPPLIES	540
731	CONTRACTUAL SERVICES - PROFESSIONAL	1,445
735	CONTRACTUAL SERVICES - TESTING	
736	CONTRACTUAL SERVICES - MIRA	9,000
755	INSURANCE	120
770	BAD DEBT EXPENSE	120
770	BANK SERVICE CHARGES	2,721
775	MISCELLANEOUS EXPENSE	3,602
775	MAINTENANCE EXPENSE	5,880
	TOTAL OPERATION AND MAINTENANCE EXPENSE	94,284

WASTEWATER CUSTOMERS

DESCRIPTION (a)	TYPE OF METER (b)	EQUIVALENT FACTOR ©	NUM OF ACTIVE CUSTOMERS START OF YR (d)	END OF YR (e)	TOT NUMER OF EQUIVALENT (c x e)
5/8"	D	1.0	108	108	108
3/4"	D	1.5			0
1"	D	2.5			0
2"	D	8.0			0
		TOTAL	108	108	108

UTILITY NAME **BFF CORP.**

YEAR OF REPORT
December 31,2020

PUMPING EQUIPMENT

Lift Station Number	1	2	3
Name or Type and Nameplate data of pump	Peabody Barnes	Peabody Barnes	Peabody Barnes
Year Installed			
Rated Capacity			
Size			
Power	Electric	Electric	Electric
Nameplate Data of Motor			

SERVICE CONNECTIONS

Size (inches)	
Type	
Average Length	
Number of Active	
Service Connections	
Beginning of Year	
Added during Year	
Retired during Year	
End of Year	

COLLECTING AND FORCE MAINS

	Collecting Mains	Force Mains
Size (inches)	8"	4"
Type of Main	PVC	PVC
Length of Main (nearest foot)		
Beginning of Year	8189	9563
Added during Year	0	0
Retired during Year	0	0
End of Year	8189	9563
Age	30 years	avg 15 years

MANHOLES

Size (inches)	48"	30 years old
Number of Manholes	Concrete	
Beginning of Year	32	
Added during Year	0	
Retired during Year	0	
End of Year	32	

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31, 2020

TREATMENT PLANT

Manufacturer Type Total Capacity Average Daily flow Total Gallons of Sewage treated

MASTER LIFT STATION PUMPS

Manufacturer Capacity Motor: Mfr Horsepower Power (Electric or Mechanical)	7.5 HP Electric
--	--------------------

PUMPING WASTEWATER STATISTICS

Months	Gallons of Treated Wastewater	Effluent Reuse Gallons to Customers	Effluent Gallons Disposed of on site
January	475,326	0	475,326
February	575,960	0	575,960
March	551,710	0	551,710
April	557,760	0	557,760
May	458,870	0	458,870
June	570,340	0	570,340
July	580,120	0	580,120
August	446,375	0	446,375
September	627,610	0	627,610
October	599,865	0	599,865
November	452,720	0	452,720
December	484,070	0	484,070
Total for Year	6,380,726	0	6,380,726

If Wastewater is Purchased, indicate the vendor	<u>Utilities Inc of Florida</u>
---	---------------------------------

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

GENERAL WASTEWATER SYSTEM INFORMATION

1. Present Number of ERC's * being served 101
2. Maximum ERC's ** that system can efficiently serve 150
3. Present system connection capacity (in ERC'S) using existing lines. 150
4. Future connection capacity (in ERC'S) upon service area buildout. 49
5. Estimates annual increase in ERC'S * 1
6. Discribe any plans and estimated completion date for any enlargements of this system. None at this time
7. If the utility uses reuse as a means of effluent disposal, provide a list of the reuse end users and the amount of reuse provided to each, if known.
8. If the utility does not engage in reuse, has the 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
10. When did the company last file a capacity analysis report with DEP? 1999
11. If present systems do not meet the requirements of DEP rules, submit the following:
 - 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
12. Department of Environmental Protection I.D. # FLA 012678

* ERC = (Total Gallons Treated / 365 days / 280 Gallons per Day

Note: Total Gallons Treated includes both sewage treated and purchased sewage treatment.

** Total plant capacity/280 gallons

UTILITY NAME **BFF CORP.**

YEAR OF REPORT December 31,2020

CERTIFICATION OF ANNUAL REPORT

I HEREBY CERTIFY, to the best of my knowledge and belief:

YES NO

☒ ☐ 1. The utility is in substantial compliance with the Uniform System of Accounts prescribed by the Florida Public Service Commission in Rule 25-30.115 (1), Florida Administrative Code.

YES NO

☒ ☐ 2. The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.

YES NO

☒ ☐ 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 financial statement of the utility.

YES NO

☒ ☐ 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 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. *Charles de Meneses*

☒ ☒ ☒ ☒ (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.

C.F.A.T. H₂O, Inc.

CLASS "C"

WATER AND/OR WASTEWATER UTILITIES

(Gross Revenue of Less Than \$200,000 Each)

ANNUAL REPORT

OF

WS719-20-AR
Charles de Menzes
C.F.A.T. H2O, Inc.
P. O. Box 5220
Ocala, FL 34478-5220

OFFICIAL COPY
Public Service Commission
Do Not Remove From This Office

Submitted To The

STATE OF FLORIDA

PUBLIC SERVICE COMMISSION

FOR THE

YEAR ENDED

12/31/2020

**Reconciliation of Revenue to
Regulatory Assessment Fee Revenue
Water Operations
Class C**

Company: CFAT H2O, Inc

For the Year Ended December 31 2018

(a)	(b)	(c)	(d)
Accounts	Gross Water Revenues Per Sch. F-3	Gross Water Revenues Per RAF Return	Difference (b) - (c)
Gross Revenue:			
Residential	87,581	87,581	\$ _____
Commercial	6,237	6,237	_____
Industrial	_____	_____	_____
Multiple Family	_____	_____	_____
Guaranteed Revenues	_____	_____	_____
Other	6,251	6,251	_____
Total Water Operating Revenue	100,069	100,069	\$ _____
LESS: Expense for Purchased Water from FPSC-Regulated Utility	_____	_____	_____
Net Water Operating Revenues	100,069	100,069	\$ _____

Explanations:

Instructions:

For the current year, reconcile the gross water revenues reported on Schedule F-3 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 C**

Company: CFAT H2O, Inc

For the Year Ended December 31 2018

(a)	(b)	(c)	(d)
Accounts	Gross Wastewater Revenues Per Sch. F-3	Gross Wastewater Revenues Per RAF Return	Difference (b) - (c)
Gross Revenue:			
Residential	87,601	87,601	\$ _____
Commercial	27,186	27,186	_____
Industrial	_____	_____	_____
Multiple Family	_____	_____	_____
Guaranteed Revenues	_____	_____	_____
Other	_____	_____	_____
Total Wastewater Operating Revenue	114,787	114,787	\$ _____
LESS: Expense for Purchased Wastewater from FPSC-Regulated Utility	_____	_____	_____
Net Wastewater Operating Revenues	114,787	114,787	\$ _____

Explanations:

Instructions:

For the current year, reconcile the gross wastewater revenues reported on Schedule F-3 with the gross wastewater revenues reported on the company's regulatory assessment fee return. Explain any differences reported in column (d).

C.F.A.T. H2O, INC.

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REPORT OF

CFAT H2O, INC.
PO BOX 5220
OCALA, FL 34478-5220

1552 SW 7th Road MARION COUNTY

Sunshine State One-Call of Florida, Inc. Member No. **MIR598**

Telephone Number 352-622-4949

Date Utility First Organized

10/28/2003

Filed with the Internal Revenue Service as 1120S Corporation

Name, Address and phone where records are located 1552 SW 7th Road Ocala, FL 34471

Florida (352) 622-4949 c/o Tradewinds Utilities, Inc.

Subdivision where service is provided: **Landfair and Hilltop Manor**

CONTACTS

Name	Title	Principal Business Address	Salary Charged
Person to send Correspondence Charles deMenzes	President	P.O. Box 5220 Ocala, FL 34478	0
Person who prepared this report Charles deMenzes	President	P.O. Box 5220 Ocala, FL 34478	20,000
Officers and Managers			
Charles deMenzes	President	P.O. Box 5220 Ocala, FL 34478	25,000
Deborah Dillon	Vice Pres	P.O. Box 5220 Ocala, FL 34478	20,000

Report every Corporation or person owning or holding directly or indirectly 5 percent or more of the voting securities of the reporting utility.

Name	Percent of Ownership in Utility	Principal Business Address	Salary Charged
Charles deMenzes Revocable Trust	100	P.O. Box 5220 Ocala, FL 34478	0

C.F.A.T.H₂O, INC.

FINANCIAL SECTION

UTILITY NAME **CFAT H2O, INC**

YEAR OF REPORT
December 31, 2020

INCOME STATEMENT

ACCOUNT NAME	REF Page	WATER	WASTEWATER	OTHER	TOTAL COMPANY
Gross Revenue					
Residential		87,581	87,601		175,182
Commercial		6,237	27,186		33,423
Other (specify)		6,251			6,251
Turn on Charges					
Total Gross Revenue		100,069	114,787		214,856
Operation Expense (Must tie to Pages W-3 & S-3)	W-3 S-3	68,340	109,385		177,725
Depreciation Expense	F-5	24,702	15,139		39,841
Amortization Expense	F-8	(5,568)	(9,000)		(14,568)
Taxes other than Income	F-7	1,200	1,572		2,772
Reg Assessment Fees	F-7	4,506	5,244		9,750
Total Operating Expenses		93,180	122,340		215,520
Net Operating Income (Loss)		6,889	(7,553)		(664)
Other Income: Non Utility Income					
Other Deductions:					
Interest Expense			1,886		1,886
Amort of Loan Costs					-
Amort of Rate Case Exp					-
Net Income (Loss)		6,889	(9,439)		(2,550)

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT

December 31, 2020

COMPARATIVE BALANCE SHEET

Account Name	Reference Page	Current Year	Previous Year
Assets:			
Utility Plant in Service (101-105)	F-5,W-1,S-1	1,008,218	993,562
Accumulated Depreciation and Amortization (108)	F-5,W-2,S-2	(692,597)	(652,756)
Net Utility Plant:		315,621	340,806
Cash		2,350	1,393
Customer Accts Receivable (141)		24,429	21,965
Other Assets			1,054
Utility Deposit		2,040	2,040
Prepaid Rate Cse Expense			
Plant Held for Future Use		4,250	4,250
Acquisition Adjustment, net		30,520	33,921
Total Assets		379,210	405,429
Liabilities & Capital			
Common Stock Issued (201)	F-6	200	200
Preferred Stock Issued (204)	F-6		
Other Paid in Capital (211)		564,882	581,482
Retained Earnings (215)	F-6	(358,228)	(353,494)
Total Capital		206,854	228,188
Long Term Debt (224)	F-6	39,800	50,000
Accounts Payable (231)			31,672
Notes Payable (232)			
Customer Deposits (235)		33,529	34,099
Accrued Taxes (236)		(198)	
Other Liabilities (Specify) PSC Fee		9,669	9,341
Refund Checks Returned		1,522	1,520
FFB Credit Line			-
Management Fee Payable		51,993	
Contributions in Aid of Construction-Net (271-272)	F-8	36,041	50,609
Total Liabilities & Capital		379,210	405,429

UTILITY NAME **CFAT H2O, INC**

YEAR OF REPORT
December 31, 2020

GROSS UTILITY PLANT

Plant Accounts (101-107) Inclusive	Water	Wastewater	Total
Utility Plant in Service (101)	577,251	411,633	988,884
ADDITIONS	12,120	7,214	19,334
			-
			-
			-
			-
Total Utility Plant	589,371	418,847	1,008,218

ACCUMULATED DEPRECIATION AND AMORTIZATION OF UTILITY PLANT

Account (108)	Water	Wastewater	Total
Balance first of Year	352,137	300,619	652,756
Add Credits During Year	24,702	15,139	39,841
Accruals charged to Depreciation Account			-
Total Credits	376,839	315,758	692,597
Deduct Debits During Year			-
			-
Balance End of year	376,839	315,758	692,597

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT
December 31, 2020

CAPITAL STOCK (201-204)

	Common Stock	Preferred Stock
Par or stated value per share	1.00	
Shares authorized	200	
Shares issued and outstanding	200	
Total par value of stock issued	200	
Dividends declared per share for year	-	

RETAINED EARNINGS (215)

	Appropriated	Un-Appropriated
Balance first of year		(353,494)
Changes during the year (specify) per Auditor Report		
Less Current Year operating profit		(4,734)
Accounting transfer to Capital Acct		
Balance End of year		(358,228)

LONG TERM DEBT (224)

Description of Obligation (Including Nominal Date of Issue and Date of Maturity)	Interest Rate Pymts	Principal per Balance Sheet Date
First Federal Bank (Credit Line)	6%	24,800
CEP Grant		15,000
Total		39,800

UTILITY NAME CFAT H2O, INC.

YEAR OF REPORT
December 31, 2020

TAX EXPENSE

	Water (b)	Wastewater (c)	Other (d)	Total (e)
Income Taxes:				-
Federal income tax_____				
State income Tax_____				
Taxes Other Than Income:				-
County ad valorem tax_____	1,200	1,572		2,772
Payroll Tax Expense_____				-
Other tax_____				-
Regulatory assessment fee____	4,506	5,165		9,671
Other (Specify)_____				

Total Tax Expense	5,706	6,737		12,443

PAYMENTS FOR SERVICES RENDERED BY OTHER THAN EMPLOYEES

Report all information concerning rate, management, construction, advertising, labor relations, public relations, or other similar professional services rendered the respondent for which aggregate payments during the year to any corporation, partnership, individual, or organization of any kind whatever, amounting to \$500 or more.

Name of Recipient	Water Amount	Wastewater Amount	Description of Service
MIRA International, Inc.	24,000	24,000	Management & Maintenance
Steve GS	3220	7,220	Plant operation
CVPA	1006	1,006	Accounting Fees

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

CONTRIBUTIONS IN AID OF CONSTRUCTION (271)

(a)	Water (b)	Wastewater ©	Total (d)
1) Balance first of year	132,796	262,882	395,678
2) Add Credits during year			-
3) Total	132,796	262,882	395,678
4) Deduct charges during year			
5) Balance end of year	132,796	262,882	395,678
6) Less Accumulated Amortization	(115,407)	(244,230)	(359,637)
7) Net CIAC	17,389	18,652	36,041

ACCUMULATED AMORTIZATION OF CIAC

	Water	Wastewater	Total
Balance First of Year	(109,839)	(235,230)	(345,069)
Add Credits During Year	(5,568)	(9,000)	(14,568)
Deduct Debits During Year			
Balance End of Year (must agree with line #6 above)	(115,407)	(244,230)	(359,637)

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

Schedule "A"

Schedule of Cost of Capital used for AFUDC Calculation

N/A

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

Schedule "B"

Schedule of Capital Structure Adjustments

N/A

C.F.A.T.H₂O, INC.

WATER OPERATING SECTION

UTILITY NAME **CFAT H2O, INC.**

<p>YEAR OF REPORT December 31, 2020</p>

WATER UTILITY PLANT ACCOUNTS

ACCT NO. (a)	ACCOUNT DESCRIPTION (b)	PREVIOUS YEAR ©	ADDITIONS (d)	DELETIONS (e)	CURRENT YEAR (f)
300	Fixed Assets	4,548	2,814		7,362
302	FRANCHISES	-			-
303	LAND AND LAND RIGHTS	19,500			19,500
304	STRUCTURE AND IMPROVEMENTS	3,154			3,154
307	WELL AND SPRINGS	38,888			38,888
310	POWER GENERATION EQUIPMENT	22,587			22,587
311	PUMPING EQUIPMENT	116,510	6,855		123,365
320	WATER TREATMENT EQUIPMENT	13,314			13,314
330	DIST RESERVOIR & STANDPIPES	201,106			201,106
331	TRANSMISSION & DISTRIBUTION MAINS	83,968			83,968
333	SERVICES	15,635			15,635
334	METER AND METER INSTALLATIONS	55,813	2,451		58,264
339	OTHER PLANT AND MISC EQUIPMENT	2,021			2,021
343	TOOL SHOP AND GARAGE EQUIPMENT	207			207
	TOTALS	577,251	12,120	-	589,371

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

ANALYSIS OF ACCUMULATED DEPRECIATION BY PRIMARY ACCOUNT - WATER

ACCT NO.	ACCOUNT DESCRIPTION	AVERAGE SERVICE LIFE	DEPR RATE APPLIED	ACCUM BALANCE PREV YR	DEBITS	CREDITS	ACCUM DEPR BALANCE
(a)	(b)	©	(d)	(e)	(f)	(g)	(h)
301	ORGANIZATIONAL	5	20.0000				-
302	FRANCHISES	29	3.4483				-
304	STRUCTURES & IMPROV	27	3.7037	990		117	1,107
307	WELL PUMPS (15HP)	27	3.7037	25,167		1,440	26,607
310	POWER GENERATION EQ	15	6.6667	21,160		1,506	22,666
311	PUMPING EQUIPMENT	15	6.6667	100,798		8,224	109,022
320	WATER TREATMENT EQ	11	9.0909	12,678		1,210	13,888
330	DISTRIBUTION RESERVOIR	30	3.3333	97,789		6,703	104,492
331	TRANS & DIST MAINS	40	2.5000	47,333		2,099	49,432
333	SERVICES	35	2.8571	13,382			13,382
334	METERS & METER INSTAL	17	5.8824	32,632		3,427	36,059
335	HYDRANTS	40	2.5000	-			-
339	OTHER PLANT & MISC EQ	20	5.0000				-
340	OFFICE FURNITURE & EQ	6	16.6667	-			-
341	TRANSPORTATION EQ	5	20.0000	-		(26)	(26)
343	TOOL,SHOP & GARAGE	15	6.6667	207			207
	TOTALS			352,136	-	24,702	376,838

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

WATER OPERATION AND MAINTENANCE EXPENSE

ACCT NO.	ACCOUNT NAME	AMOUNT
603	SALARIES & WAGES OFFICERS	27,000
615	PURCHASED POWER	3,543
616	FUEL FOR POWER PRODUCTION	109
618	CHEMICALS	500
631	CONTRACTUAL EXPENSE (ENGINEERING, ACCOUNTING)	
630	CONTRACTUAL EXPENSE BILLING	24,000
635	CONTRACTUAL SERVICES - OPERATIONS	3,385
635	CONTRACTUAL SERVICES - TESTING	175
655	OFFICE SUPPLIES	1,027
670	BAD DEBT EXPENSE	426
675	BANK SERVICE CHARGES	3,009
675	MAINTENANCE EXPENSE	2,049
675	MISCELLANEOUS EXPENSE	2,117
675	Dep Exp	1,000
	TOTAL OPERATION AND MAINTENANCE EXPENSE	68,340

WATER CUSTOMERS

DESCRIPTION (a)	TYPE OF METER (b)	EQUIVALENT FACTOR ©	NUM OF ACTIVE CUSTOMERS START OF YR (d)	CUSTOMERS END OF YR (e)	TOT NUMER OF EQUIVALENT (c x e)
5/8"	D	1.0	217	232	232
3/4"	D	1.5		3	
1"	D	2.5	4	4	10
2"	D	8.0			
		TOTAL	221	239	242

PUMPING AND PURCHASED WATER STATISTICS

(a)	Water Purchased for Resale (omit 000) (b)	Finished water from Wells (omit 000) ©	Accounted for loss thru line flushing etc. (omit 000) (d)	Total Water Pumped and Purchased (omit 000) (e)	Water sold to Customers (omit 000) (f)
January	None	818	-	818	818
February	"	748	-	748	748
March	"	798	-	798	798
April	"	836	-	836	836
May	"	821	-	821	821
June	"	901	-	901	901
July	"	949	-	949	949
August	"	749	-	749	749
September	"	831	-	831	831
October	"	816	-	816	816
November	"	897	-	897	897
December	"	775	-	775	775
Total for Year	None	9,939	-	9,939	9,939

MAINS (Feet)

Kind of Pipe	Diameter of Pipe	First of Year	Added	Removed or Abandoned	End of Year
PVC - 16 years	6"	4270	0	0	4270
PVC - 16 years	4"	4210	0	0	4210
PVC - 16 years	8"	13360	0	0	13360

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

WELLS AND WELL PUMPS

(a)	(b)	©	(d)
Year Constructed	1989	2006	
Type fo well construction and casing.	Steel Grouted	Steel Grouted	
Depth of Wells	160'	160'	
Diameters of Wells	8"	8"	
Pump GPM	250	250	
Motor HP	10	10	
Yields of Wells in GPD	15,000	15,000	
Auxiliary Power	Diesel Gen	Diesel Gen	

RESERVOIRS

(a)	(b)	©	
Description	Steel	Steel	
Capacity of Tank	20,000	200,000	
Ground or Elevated	Ground	Ground	

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT

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SOURCE OF SUPPLY

List for each source of supply:

Gals. per day of source 100,000

Type of Source Well

WATER TREATMENT FACILITIES

List for each water treatment facility:

Type Liquid Chlorinated

Make VT 100

Gals per day 100,000

Method of Measurement Flow meter

OTHER WATER SYSTEMS INFORMATION

Furnish information below for each system not physically connected with another facility.

1. Present ERC's * now being served **227**
2. Maximum ERC's * that system can efficiently serve **250**
3. Present system connection capacity (in ERC's) using existing lines **250**
4. Future connection capacity (in ERC's) upon service area buildout **350**
5. Estimated annual increase in ERC's **2**
6. List fire fighting facilities and capacities **200,000 Gal Ground Storage Tank & Triplex Pumps**
7. Attach a description of the fire fighting facilities = **one (1) Hydrant at a gas station.**
8. What is the current need for system upgrading and/or expansion? **NONE**
9. When did the company last file a capacity analysis report with the DEP? **Unknown**
10. If the present system does not meet the requirements of DEP rules, submit the following:
 - a. Attach a description of the Plant upgrade necessary to meet DEP rules.
 - b. Have these plans been approved by DEP
 - c. When will construction begin
 - d. Attach plans for funding the required upgrades
 - e. Is this system under a Consent Order with DEP **NO**
11. Department of Environmental Protection ID # **3424620**
12. Water Management District ID # **2-83-0220AN**
 - 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

* ERC = (Total Gallons Sold / 365 days / 350 Gallons per Day

** TOTAL PLANT CAPACITY / 350

C.F.A.T.H₂O, INC.

SEWER OPERATING SECTION

UTILITY NAME **CFAT H2O, INC.**

<p>YEAR OF REPORT December 31, 2020</p>

SEWER UTILITY PLANT ACCOUNTS

ACCT NO. (a)	ACCOUNT DESCRIPTION (b)	PREVIOUS YEAR ©	ADDITIONS (d)	DELETIONS (e)	CURRENT YEAR (f)
350	FIXED ASSETS	2,500			2,500
352	FRANCHISES	2,062			2,062
353	LAND & LAND RIGHTS	39,000			39,000
354	STRUCTURES AND IMPROVEMENTS	36,667	802		37,469
360	FORCE MAIN COLL LINES	81,058			81,058
361	GRAVITY FEED COLL LINES	45,657			45,657
362	SPECIAL COLL STRUCTURES	17,856			17,856
363	SERVICES TO CUSTOMERS	8,500			8,500
364	FLOW MEASURING DEVICES	90			90
365	FLOW MEASURING INSTALLATIONS	5,610			5,610
370	RECEIVING WELL - MANHOLES, LIFT STATIONS	150,086	6,412		156,498
380	TREATMENT AND DISPOSAL EQ	22,547			22,547
389	OTHER PLANT & MISC EQUIP	-			-
390	OFFICE FURNITURE & EQUIP	-			-
393	TOOLS, SHOP & GARAGE EQUIP	-			-
	TOTALS	411,633	7,214		418,847

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

ANALYSIS OF ACCUMULATED DEPRECIATION BY PRIMARY ACCOUNT -SEWER

ACCT NO.	ACCOUNT DESCRIPTION	AVERAGE SERVICE LIFE	DEPR RATE APPLIED	ACCUM BALANCE PREV YR	DEBITS	CREDITS	ACCUM DEPR BALANCE
(a)	(b)	©	(d)	(e)	(f)	(g)	(h)
351	ORGANIZATIONAL	5	20.0000	2,500			2,500
352	FRANCHISES	3	33.3333	2,062			2,062
354	STRUCTURES AND IMPROV	27	3.7037	9,821		1,388	11,209
360	FORCE MAIN COLL LINES	27	3.7037	61,479		3,002	64,481
361	GRAVITY FEED COLL LINES	40	2.5000	36,301		1,141	37,442
362	SPECIAL COLL STRUCTURES	35	2.8571	14,943		510	15,453
363	SERVICES TO CUSTOMERS	35	2.8571	7,996		243	8,239
364	FLOW MEASURING DEVICES	5	20.0000	90			90
365	FLOW MEASURING INSTAL	35	2.8571	5,247		160	5,407
370	RECEIVING WELL - MANHOLES LIFT STATIONS	18	5.5556	137,632		8,694	146,326
380	TREATMENT AND DISPOSAL EQ	15	6.6667	22,548			22,548
389	OTHER PLANT & MISC EQUIP	15	6.6667				
390	OFFICE FURNITURE & EQUIP	6	16.6667				
393	TOOLS, SHOP & GARAGE EQUIP	15	6.6667				
	TOTALS			300,619	0	15,139	315,758

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

SEWER OPERATION AND MAINTENANCE EXPENSE

ACCT NO.	ACCOUNT NAME	AMOUNT
703	SALARIES & WAGES OFFICERS	27,000
711	SLUDGE REMOVAL EXPENSE	14,005
715	PURCHASED POWER	13,445
718	CHEMICALS	4,194
731	PROFESSIONAL FEES (ENGINEERING - ACCOUNTING)	1,885
730	CONTRACTUAL SERVICES SEWER	24,000
735	CONTRACTUAL EXPENSE - PROFESSIONAL	8,094
735	TESTING - SEWER	250
775	BANK SERVICE CHARGES	3,009
775	OFFICE SUPPLIES	1,027
775	DEP Permit Fees	150
775	Misc EXPENSE	12,326
	TOTAL OPERATION AND MAINTENANCE EXPENCE	109,385

WASTEWATER CUSTOMERS

DESCRIPTION (a)	TYPE OF METER (b)	EQUIVALENT FACTOR ©	NUM OF ACTIVE CUSTOMERS START OF YR (d)	CUSTOMERS END OF YR (e)	TOT NUMER OF EQUIVALENT (c x e)
5/8"	D	1.0	238	244	244
3/4"	D	1.5			
1"	D	2.5	3	4	10
2"	D	8.0			
		TOTAL	241	248	254

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT
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PUMPING EQUIPMENT

Lift Station Number	1	2	3&4
Name or Type and Nameplate data of pump	STA-RITE	STA-RITE	STA-RITE
Year Installed	1990	1990	2000
Rated Capacity	100 GPM	100 GPM	80 GPM
Size	4"	4"	4"
Power	Electric	Electric	Electric
Nameplate Data of Motor	2.8 HP 12.6 AMP	2.8 HP 12.6 AMP	5 HP

SERVICE CONNECTIONS

Size (inches)	4"
Type	PVC
Average Length	30'
Number of Active Service Connections	
Beginning of Year	120
Added during Year	0
Retired during Year	
End of Year	120
Age	16 years

COLLECTING AND FORCE MAINS

	Collecting Mains	Collecting Mains	Force Mains
Size (inches)	8"	6"	4"
Type of Main	PVC	PVC	PVC
Length of Main (nearest foot)			
Beginning of Year	9287	803	3912
Added during Year	0	0	7600
Retired during Year	0	0	0
End of Year	9287	803	11512
Age	16 years	16 years	16 years

MANHOLES

Size (inches)	48"	16 years
Number of Manholes	Concrete	
Beginning of Year	22	
Added during Year	0	
Retired during Year	0	
End of Year	22	

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

TREATMENT PLANT

Manufacturer	Marlof
Type	Concrete
Total Capacity - Gal Per Day	125,000
Average Daily flow	23,563
Total Gallons of Sewage treated	8,600,368

MASTER LIFT STATION PUMPS

Manufacturer	
Capacity	
Motor: Mfr	
Horsepower	7.5 HP
Power (Electric or Mechanical)	Electric

PUMPING WASTEWATER STATISTICS

Months	Gallons of Treated Wastewater	Effluent Reuse Gallons to Customers	Effluent Gallons
January	711,552	0	711,552
February	663,328	0	663,328
March	690,671		690,671
April	702,952	0	702,952
May	746,765	0	746,765
June	751,758	0	751,758
July	729,401	0	729,401
August	774,585	0	774,585
September	764,291	0	764,291
October	693,126	0	693,126
November	716,450	0	716,450
December	655,489	0	655,489
Total for Year	8,600,368	0	8,600,368

UTILITY NAME **CFAT H2O, INC.**

YEAR OF REPORT December 31, 2020

OTHER WASTEWATER SYSTEM INFORMATION

1. Present ERC's * being served 165
2. Maximum ERC's ** that system can efficiently serve **410**
3. Present system connection capacity (in ERC'S) using existing lines. **250**
4. Future connection capacity (in ERC'S) upon service area buildout. 125
5. Estimates annual increase in ERC'S * **2**
6. State any plans and estimated completion date for any enlargements of this system. No plans at this time
7. In what percent of your certificated area have service connections been installed? **68%**
8. If present systems do not meet the requirements of DEP rule 62-4, Florida Administrative Code, submit the following
 - a. Evaluation of the present plant or plants in regard to meeting the DEP'S rules.
 - b. Plans for funding and construction of the required upgrading.
 - c. Have these plans been coordinated with the DEP?
 - d. Do they concur?
 - e. When will construction begin?
9. Do you discharge effluent to surface waters? **No__**
10. Department of Environmental Protection I.D. #**3042P01551**
and Water Management District I.D. # **2-083-0220ANF**

* ERC = (Total Gallons Treated / 365 days / 280 Gallons per Day

Note: Total Gallons Treated includes both sewage treated and purchased sewage treatment.

** Total plant capacity/115,000 gpd

UTILITY NAME **CFAT H2O, 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.

YES NO

(X) () 2. The utility is in substantial compliance with all applicable rules and orders of the Florida Public Service Commission.

YES NO

(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 financial statement of the utility.

YES NO

(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 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. *Charles de Menzes*

(X) (X) (X) (X) (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.

EXHIBIT O

**NOTICE OF APPLICATION FOR AUTHORITY TO TRANSFER WATER AND WASTEWATER
CERTIFICATES OF AUTHORIZATION TO ANOTHER REGULATED UTILITY**

DOCKET NO. 2021_____

**APPLICATION FOR TRANSFER OF WATER AND WASTEWATER SYSTEMS OF C.F.A.T H2O,
INC., WATER CERTIFICATE NO. 552-W, AND WASTEWATER CERTIFICATE NO. 481-S TO
CSWR- FLORIDA UTILITY OPERATING COMPANY, LLC, IN MARION COUNTY**

DATE OF CUSTOMER NOTICE — ____ / ____ / ____

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 C.F.A.T. H2O, 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 C.F.A.T. H2O, Inc. water and wastewater systems provide service to Landfair and Hilltop Manor 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

The following described lands located in portions of Sections 16 and 21, Township 14 South, Range 22 East, Marion County, Florida:

Section 16: Southwest $\frac{1}{4}$ Southeast $\frac{1}{4}$, except the North 475 feet; Southeast $\frac{1}{4}$ of Southeast $\frac{1}{4}$; South 3 chains of Northeast $\frac{1}{4}$ of Southeast $\frac{1}{4}$.

Section 21: East $\frac{1}{2}$ of Northeast $\frac{1}{4}$

Common Street Names Affected by Transfer: NE 77th Court, NE 7th Court, NE 79th Street Road, NE 7th Circle, NE 78th Place, NE 77th Lane, NE 9th Avenue, NE 77th Street, NE 78th Street, NE 78th Lane, NE 21 Avenue, NE 22nd Terrace, NE 77th Loop, NE 20th Court, NE Jacksonville Road (Old US Hwy 301)

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.