

State of Florida



## Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FLORIDA 32399-0850

### -M-E-M-O-R-A-N-D-U-M-

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**DATE:** July 21, 2014  
**TO:** Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk  
**FROM:** Stanley D. Rieger, Utilities System/Engineering Specialist, Division of Engineering  
**RE:** Docket No. 130209-SU -- Application for expansion of certificate (CIAC) (new wastewater line extension charge) by North Peninsula Utilities Corp.

---

Please include the attached two letters, with attachments, from Robert Hillman to Stanley Rieger into the above referenced docket file. Thank You.

RECEIVED-FPSC  
14 JUL 21 PM 3:27  
COMMISSION  
CLERK

# North Peninsula Utilities Corp.

P.O. Box 2803  
Ormond Beach, FL 32175  
386-677-7847 phone  
386-677-8146 fax  
developershw@gmail.com

July 8, 2014

Stanley Rieger, P.E.  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399



RE: Approval to Connect Capri Drive existing Dry Lines and new low pressure sewer connections and certain John Anderson Drive failed septic tanks.

Dear Mr. Rieger,

This letter requests that the Mr. John Ledbetter, Builder lots be connected to NPUC. These two (2) lots are shown on attachment A and are within the proposed and settled service area. These lots are adjacent to our existing force main and can be manifolded into NPUC service.

There are additional two (2) lots (i.e. Mr. and Mrs. French at 3662 John Anderson Drive and Ron Godfrey at 3120 John Anderson Drive). See attachment B.

Finally, the Oceanaire package plant WWTP at 3390 Ocean Shore Blvd. which is adjacent to our facilities. See Attachment C.

As you know from John Wharton both the City of Ormond Beach and Volusia County support these services. See Attachment D.

Since each represent sources of environmental pollution, the only effective manner of resolution is the connection to NPUC. Note that the State of Florida's Department of Health septic tank report for Volusia County have these properties ranked as the some of the most urgent measures necessary.



July 8, 2014

We would like to connect these potential customers at the earliest possible time for the benefit of the public health safety and welfare.

Thank you for your consideration.

Sincerely,



Robert L. Hillman  
North Peninsula Utilities Corp.

Cc: John Wharton - Dean Mead  
800 North Magnolia Ave. Suite 1500  
Orlando, FL 32803

Gerald Hartman- Hartman Consultants, LLC  
2107 Water Key Dr.  
Windermere, FL 34786

## Attachment A

Hillman Wilson Development Offices <developershw@gmail.com>  
Fwd: Fw: Sewer Capri Drive Special Assessment  
March 12, 2014 8:35 AM

---

----- Forwarded message -----

From: <jclcllc@yahoo.com>  
Date: Tue, Mar 11, 2014 at 10:52 AM  
Subject: Fw: Sewer Capri Drive Special Assessment  
To: "developershw@gmail.com" <developershw@gmail.com>

Sent from Windows Mail

**From:** [rnljlaw1@bellsouth.net](mailto:rnljlaw1@bellsouth.net)  
**Sent:** Tuesday, March 11, 2014 10:39 AM  
**To:** [doug@danielslegal.com](mailto:doug@danielslegal.com), [mulrich@volusia.org](mailto:mulrich@volusia.org)  
**Cc:** [jclcllc@yahoo.com](mailto:jclcllc@yahoo.com)

Mr. Ulrich and Mr. Daniels

Mr. Ledbetter has inquired with me about the sewer hookup on the Capri lots that he is building several homes. Mr. Ulrich I am currently dealing with you in a different capacity as the Vice President of the Village of Pine Run Utility Corporation. However, I also work for Johnson & Johnson law firm.

Mr. Ledbetter and I have had many conversations regarding the Capri special assessment, particularly the fact that you have yet to respond to his inquiry. Please find the recorded special assessment lien on the said properties for the purpose of installing water lines, sewer lines and paving within said district. Mr. Ledbetter is currently building 3 homes in this district and he has yet to been able to hook up to the sewer lines.

Please advise as to how and when he would be able to do this or at the very least hook into the North Peninsula Utilities with all hook up fees paid by the County. The Capri assessment clearly states water and sewer and this should allow for sewer just as they were hooked into water. However, at this time I am told that the sewer lines are dry. Can you please explain why all the lot/ home owners were charged a large assessment only to receive water and still have to install separate sewer?

This issue is of great concern not only for the Capri district but also for the Lakes of Pine Run district who are also dealing with you in regard to hookup with the City of Ormond Beach. Please see attached Ormond Beach Memorandum page 20 wherein you met with the City and discussed feasibility of connecting to the City water and sewer system. Would this be something the Lakes of Pine Run would also be facing? Furthermore, it is also noted that at the January 2013 meeting with the City the Kingston Shores condo discussed water service and per the attached memorandum dated March 7, 2014 they still have yet to hook in. Mr. Ledbetter can not face this kind of long delay as he would need sewer hook in as soon as the home is at that stage.

I look forward to your reply to Mr. Ledbetter and hope that this is only a misunderstanding on our part.

Thank you,



Joanne Marchese  
Johnson & Johnson  
Attorneys and Counselors at Law  
150 S. Palmetto Ave., 103  
Daytona Beach, FL 32114

Phone: [386-252-3694](tel:386-252-3694)

Fax: [386-252-3960](tel:386-252-3960)

----- Original Message -----

**From:** [jclcllc@yahoo.com](mailto:jclcllc@yahoo.com)

**To:** [rnlaw1@bellsouth.net](mailto:rnlaw1@bellsouth.net)

**Sent:** Monday, March 10, 2014 8:42 PM

**Subject:** Fw: Sewer line question

Joanne, I wrote to Doug Daniels, the County Councilman for this area. Doug wrote to MIKE. I have received nothing , evn tho I wrote to Mr Daniels last week again.

Sent from Windows Mail

---

**From:** [doug@danielslegal.com](mailto:doug@danielslegal.com)

**Sent:** Tuesday, February 25, 2014 7:38 AM

**To:** [mulrich@volusia.org](mailto:mulrich@volusia.org)

**Cc:** [jclcllc@yahoo.com](mailto:jclcllc@yahoo.com)

Mike,

What is the story here?

Thanks.

Doug

---

**From:** [jclcllc@yahoo.com](mailto:jclcllc@yahoo.com) [mailto:[jclcllc@yahoo.com](mailto:jclcllc@yahoo.com)]

**Sent:** Wednesday, February 19, 2014 4:14 PM

**To:** [doug@danielslegal.com](mailto:doug@danielslegal.com)

**Subject:**

Hillman Wilson Development Offices <developershw@gmail.com>  
Fwd: Fw: Capri Drive  
March 27, 2014 1:09 PM

---

----- Forwarded message -----

From: **John Ledbetter** <jclcllc@yahoo.com>  
Date: Wed, Mar 26, 2014 at 8:33 PM  
Subject: Fw: Capri Drive  
To: "developershw@gmail.com" <developershw@gmail.com>

GET BACK TO ME .....john

On Wednesday, March 26, 2014 5:36 PM, John Angiulli <jangiulli@volusia.org> wrote:  
John,

Have you asked North Penn Utilities if they would serve Capri Drive?

As the closet wastewater service provider with a force main, they could install the appropriately sized lift station to serve all the lots on Capri. I do not think the County would object to this.

Let me know.

John V. Angiulli  
Public Works Director  
County of Volusia  
123 West Indiana Ave  
DeLand, FL 32720-4262  
Phone: [386-736-5965](tel:386-736-5965) ext 12712  
Email: [jangiulli@volusia.org](mailto:jangiulli@volusia.org)

Hillman Wilson Development Offices <developershw@gmail.com>  
Capri Dr.  
April 3, 2014 12:08 PM

---

John,

Per your request, be advised that NPUC has the capacity to serve your lots on Capri Dr.

We are in the application process with the Florida Public Service Commission to expand our service/tariff area to include your property. However at this time we are advised that Volusia County staff is suggesting that they object to our application, so we are trying to work through that as we have many requests like yours to provide service.

We're working as quickly as we can and are trying to serve the needs of central sewer service to residents of the North section of the north peninsula.

We'll keep in touch.

Robert L. Hillman  
NPUC





Leeward Winds WWTP  
2860 Ocean Shore Blvd

## Attachment B

August 21, 2013

REF: 3120 John Anderson Drive  
Ormond Beach, FL 32176

Good Afternoon:

I am the owner of the above property.

The drain field is in need of repair and I would prefer to connect to your sewer services as soon as possible.

I kindly request permission from all governmental agencies to allow this to happen.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ron Godfrey', written over the printed name.

Ron Godfrey

561-702-1210



**William T & Marilyn A French**

3662 John Anderson Dr.

Ormond Beach FL 32176

Phone 386 441 9243

e mail - [wfrenchjr@cfl.rr.com](mailto:wfrenchjr@cfl.rr.com)

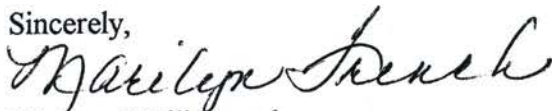
TO: North Peninsula Utilities Corp.

4/02/2014

As you can see by our address, we live just north of the last street in Seabridge Development, and would be very happy to be included in the proposed addition of territory of the North Peninsula Utilities Corp. We currently have a septic tank and would welcome the opportunity to consider sewer hook up because we live directly on the Halifax River. We have always had concerns about the effect of pollutants on our beautiful river.

Thank you for your consideration of our request.

Sincerely,

A handwritten signature in cursive script that reads "Marilyn French".

Marilyn & Bill French

## Attachment C

*Oceanaire Condominium of Ormond By The Sea, Inc.*

---

May 8, 2014

Mr. Bob Hillman  
North Peninsula Utilities Corp.  
115 E. Granada Blvd. # 12  
Ormond Beach, FL 32176

RE: Possible sewer connection for Oceanaire Condominium 3390 Ocean Shore Blvd.

Dear Bob,

I enjoyed talking with you the other day concerning the possibility of connecting the 17 units at Oceanaire Condominium to your sewer system at North Peninsula Utilities.

As I mentioned on the phone, we currently have an onsite treatment facility that is thirty plus years old and is continually in need of maintenance. I am very much in favor of connecting to your central system if you have adequate capacity available, and the costs are not excessive.

Please let me know if this is a possibility, and what the costs and timeline might be. Feel free to call me if you need anything further.

Sincerely,

Douglas Piatt, President  
Oceanaire Condominium Association  
386-871-6660





Pelican Dunes WWTP  
149 Pelican Dunes Dr



## Attachment D

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE:

DOCKET NO. 130209-SU

Application for expansion of certificate (CIAC)  
(new wastewater line extension Charge) by  
North Peninsula Utilities Corp.  
\_\_\_\_\_ /

NOTICE OF WITHDRAWAL OF  
UNOPPOSED SECOND MOTION FOR EXTENSION OF TIME

PLEASE TAKE NOTICE that the COUNTY OF VOLUSIA, by and through its undersigned counsel, hereby voluntarily withdraws its Unopposed Second Motion for Extension of Time, filed on May 30, 2014. The County of Volusia will not be filing an objection to the proposed expansion.

Respectfully submitted,

s/Mary G. Jolley  
MARY G. JOLLEY, ESQUIRE  
Assistant County Attorney  
Fla. Bar No.: 080454  
[mjolley@volusia.org](mailto:mjolley@volusia.org)  
COUNTY OF VOLUSIA  
123 W. Indiana Avenue, Ste. 301  
DeLand, FL 32720  
(386) 736-5950  
(386) 736-5990 (Fax)  
COUNSEL FOR COUNTY OF VOLUSIA

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the foregoing Notice has been furnished by electronic mail to John L. Wharton, Esq., counsel for North Peninsula Utilities Corporation, [jwharton@deanmead.com](mailto:jwharton@deanmead.com), Dean Mean Law Firm, 215 S. Monroe Street, Suite 815, Tallahassee, Florida, 32301, and Clay Henderson, Holland & Knight, 200 South Orange Avenue, Suite 2600, Orlando, Florida 32801, on this 5th day of June, 2014.

*s/Mary G. Jolley*

MARY G. JOLLEY, ESQUIRE

Assistant County Attorney

Fla. Bar No.: 080454

[mjolley@volusia.org](mailto:mjolley@volusia.org)

COUNTY OF VOLUSIA

123 W. Indiana Avenue, Ste. 301

DeLand, FL 32720

(386) 736-5950

(386) 736-5990 (Fax)

COUNSEL FOR COUNTY OF VOLUSIA





# CITY OF ORMOND BEACH

City Manager • 22 S. Beach Street • Ormond Beach • Florida • 32174 • (386) 676-3200 • Fax (386) 676-3384

## **CITY MANAGER MEMORANDUM**

**To:** The Honorable Mayor Kelley and City Commissioners

**Through:** Joyce A. Shanahan, City Manager

**From:** Dave Ponitz, Utilities Manager

**Date:** February 18, 2014

**Subject:** North Peninsula Utilities Corp. - Request to Amend Wastewater  
Certificated Area

### **Introduction**

This is an item presented for City Commission awareness of the North Peninsula Utilities Corporation's (NPUC) plan for pursuing application to the Florida Public Utilities Commission (FPUC) to amend their current wastewater certificate service area in the North Peninsula area - Volusia County.

### **Background**

As a result of recent discussions between NPUC, City and Volusia County concerning NPUC's proposal to amend their Wastewater Utility Certificate to add territory in the North Peninsula area, NPUC has provided updated service area exhibits for City and County consideration. NPUC desires to obtain acceptance from the City and Volusia County of their planned territory expansion configuration prior to making application to the FPUC. NPUC is also attempting to avoid cumbersome and expensive administrative hearing activities related to formal objections voiced by either agency associated with NPUC's application notice for their request for expanded service area boundary.

Attached is a letter dated December 6, 2013 from Clay Henderson, Attorney representing NPUC, recapping several items of interest discussed at a meeting between NPUC, County and City staff regarding the basis for the boundary configurations illustrated on Figures 1, 2 and Appendix B also attached. The proposed NPUC service area boundaries (existing and proposed) and southerly demarcation line along with existing Volusia County Utilities Department (VCUD) wastewater treatment service area boundaries (Pelican Dunes area) are illustrated in the Figures.

### **Discussion**

Over the past year, Volusia County has commissioned plans in preparation for a force main extension project along A1A from a connection to the City's force main at Spanish Waters Drive to Ocean Grove Drive and adjacent to several Volusia County operated



wastewater plants. Previous joint project collaborations between the City and Volusia County include completion of two (2) force main extension projects along A1A in the North Peninsula area north to Spanish Waters Drive. The City has provided Volusia County utilities staff with current impact fee and billing rates to include actual billing records for several condominium facilities along A1A to assist their review and comparison of NPUC's proposal and financial impacts to affected customers in the NPUC area. The County has also expressed an interest for City support of potential cooperative funding and/ or reimbursement opportunities for capital expenditures related to a force main extension project currently proposed along A1A in the area.

It is our understanding the County has made no formal determination regarding NPUC's proposed service area expansion depicted as County staff continues to assess the condition of the existing treatment facility operated by NPUC as well as impacts to customers in the affected area to include considerations for NPUC's request to include Kingston Shores facility in their expanded service area which is located immediately north and adjacent to the County's Pelican Dunes Treatment Facility service area.

The City of Ormond Beach has completed several capital projects with the goal of serving future wastewater flows from the North Peninsula area. Wastewater treatment and collection system projects recently completed include expansion and rehabilitation of the City's 8 MGD wastewater treatment facility, replacement and upgrades to the City's Ormond Mall Lift Station and extension of a 16 inch sanitary sewer force main along John Anderson Drive between Dormont Drive and Amsden Road.

The City's current Utility Master Plan - Wastewater System identifies two (2) additional future projects, currently unfunded, described as WW-10 North Peninsula Force Main (Spanish Water to Pelican Dunes) and WW-16 North Peninsula Residential Retrofit Force Main to serve wastewater collection system needs in the north peninsula area.

NPUC's illustrations provided for their proposed service area expansion appear to be consistent with recent staff discussions with the exception of the inclusion of Kingston Shores. Staff intends to continue collaborations with Volusia County and NPUC regarding modification of wastewater certificated areas in the North Peninsula - Volusia County area and additional joint project funding opportunities for the County's proposed force main project along A1A.

### **Budget Impact**

Budget implications are unknown at present time. The proposed NPUC service area boundary does not appear to significantly diminish future benefits of previous City wastewater collection system capital expenditures for serving the North Peninsula area.

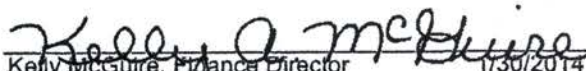
### **Recommendation**

The Commission is requested to authorize staff to respond with a letter of no objection to the NPUC proposal.

**Attachments:**

- Letter to Connors and Shanahan\_12\_06\_2013\_16\_21\_10\_426 (PDF)
- Figure 1 Proposed Cert Area & New South Line (PDF)
- Figure 2 VCUD - NPUC Service Boundary Designations(PDF)
- Appendix B-1 NPUC - VCDU Expanded Cert Area (PDF)

**REVIEWED BY:**

  
Kelly McGuire, Finance Director 1/30/2014

  
Theodore MacLeod, Assistant City Manager 2/12/2014

**APPROVED BY:**

  
Joyce A. Shanahan, City Manager 2/12/2014



**Fw: NPUC**

clay.henderson@hklaw.com <clay.henderson@hklaw.com>  
To: developershw@gmail.com, g.hartman@gaiconsultants.com

Wed, Feb 19, 2014 at 12:55 PM

WhooHoo!

Sent from my BlackBerry 10 smartphone.  
From: Hayes, Randy  
Sent: Wednesday, February 19, 2014 12:16 PM  
To: Henderson, Clay (ORL - X21103)  
Subject: NPUC

Hi Clay – just a quick note to let you know the Ormond Beach city commission authorized and directed the city manager to send a letter of “no objection” regarding NPUC’s application to expand its service area. Good luck to you and your client. Thank you. Randy

Notice:

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clay.henderson@hklaw.com <clay.henderson@hklaw.com>  
To: Randy.Hayes@ormondbeach.org  
Cc: developershw@gmail.com

Wed, Feb 19, 2014 at 2:34 PM

Randy,

This made my day! Thanks!

We are in the process of preparing a new application with a revised legal description for the territory north of the demarcation line shown on the maps. The PSC staff has approved the legal description and my understanding is that we will re-file next week. The County informed us they are not interested in acquiring NPUC so we will proceed accordingly to seek amendment to the certificate area. We appreciate the time that you and Joyce and staff gave to meet with us and appreciate the recommendation and action by the city commission consistent with our understandings from that meeting. I can speak for NPUC in saying that they are always willing to cooperate with the City now and in the future.

Regards

clay

**Clay Henderson | Holland & Knight**

Senior Counsel

200 South Orange Avenue, Suite 2600 | Orlando FL 32801

Phone 407.244.1103 | Fax 407.244.5288 | Cell 407.810.3860

clay.henderson@hklaw.com | www.hklaw.com

---

**From:** Hayes, Randy [mailto:[Randy.Hayes@ormondbeach.org](mailto:Randy.Hayes@ormondbeach.org)]

**Sent:** Wednesday, February 19, 2014 12:17 PM

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]



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## Ormond Beach

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clay.henderson@hklaw.com <clay.henderson@hklaw.com>  
To: developershw@gmail.com, g.hartman@gaiconsultants.com

Wed, Feb 19, 2014 at 2:36 PM

Attached is the agenda item from last night. The City Commission approved the letter of "no objection." I copied you on my response to Randy.

This makes my day!

Clay

### **Clay Henderson | Holland & Knight**

Senior Counsel

200 South Orange Avenue, Suite 2600 | Orlando FL 32801

Phone 407.244.1103 | Fax 407.244.5288 | Cell 407.810.3860

clay.henderson@hklaw.com | www.hklaw.com

---

**From:** Sherrouse, Wanda (ORL - X25279)  
**Sent:** Wednesday, February 19, 2014 2:31 PM  
**To:** Henderson, Clay (ORL - X21103)  
**Subject:**

### **Wanda G. Sherrouse | Holland & Knight**

Sr Legal Secretary

200 South Orange Avenue, Suite 2600 | Orlando FL 32801

Phone 407.244.5279 | Fax 407.244.5288

wanda.sherrouse@hklaw.com | www.hklaw.com



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 **City Manager Memorandum\_02\_19\_2014\_14\_30\_02\_916.pdf**  
171K



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## Utilities company seeks to expand sewer service

Excellent!  Rating: ★★☆☆☆ 2.86 / 5 (7 votes) [ShareThis](#)

Posted: 2013 Nov 29 - 06:09

By Richard Mundy

For Hometown News

A private utilities company wants to expand its territory in Ormond-by-the-Sea.

North Peninsula Utilities Corp. applied to the Florida Public Service Commission, according to its president and owner Tyree F. Wilson Jr.

"Basically North Peninsula Utilities is a waste water treatment plant that's run for the last 23 years and it's only at about 25 percent capacity," Mr. Wilson said. "We service about 600 [homes](#) in the Northern Peninsula."

"We started to get some calls from some of the seaside . . . particularly some of the [condominiums](#)," he said.

He pointed out the cost to connect to his service is small compared to if a local government was doing it.

"If the city or county arranges the hookup, they usually hit the consumer with a heavy impact fee (for installing the infrastructure)," Mr. Wilson said. "We're not allowed to charge one. We're allowed to charge for some construction, but we're not allowed to charge an impact fee."

He did not give any exact figures as to the total cost of running the pipes to the individual [condos](#) and homes except to say, "We think we can handle it."

NPUC anticipates the monthly fee will be sufficient to eventually recover the installation costs. Mr. Wilson said, "Our fee right now is around \$32 a month."

The application for Expansion of Certificate also calls for a flat [rate](#) adjustment of 3 percent per year for five years starting April 1, 2015.

NPUC is the only FPSC certified wastewater utility in the Northern Peninsula portion of Volusia. Twenty-four oceanside small package plants (Self-contained waste water treatment plants) serve the area as well as several commercial and residential septic tanks.

"At one point the city required the developer to give the deed the package plant, and now the package plants . . . need to be replaced. And some of them are in really bad shape," Mr. Wilson said.

"We are working with the county and the city, trying to eliminate some of the septic tanks," he said. "If we expand and offer it (waste water service) the

12/5/2013  
01:15 PM

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8 9 10 11 12 13 14



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[Treasure Coast](#)

Courtesy of  
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Public Service Commission ... out of Tallahassee requires that we give service to everybody. However, the connection, any of our connections, are not required. So if you're happy (with your service) and you don't want to pay whatever fee it is ... you don't have to.

"In the short run, mid term, we anticipated that basically there's no problem (with the current package plants handling the additional anticipated hookups.)

The expanded territory runs from 2220 Ocean Shore Blvd. at Sunlight Drive to 5500 Ocean Shore at Kingston Shores, and bordered by the Halifax River on the west and the Atlantic Ocean on the east.

According to the application, NPUC has been approached by a number of condos showing interest in the availability of service to replace the respective condos' aging individual treatment facilities. The requests are all signed by Debbie Kreinest, the licensed community association manager of all the condos.

Responses to the requests from NPUC outline conceptual cost estimates for each condo. The estimates run from \$32,000 for a 14-unit condo to \$60,000 for a 40-unit condo, or an average cost for 192 condos of \$1,682. All of the condos in question are owned by individuals.

The total number of potential multi-unit new customers is 907. There are also hundreds of individual houses in the territory area.

A postcard was sent to residents in the proposed territory dated Oct. 24, 2013, stating NPUC has applied for added territory in Volusia County, and gives the website of the PSC and Docket No 130209 for the 189 page application.

The card also stated, "Any objection to the application must be made in writing and filed with the Florida Public Service Commission by Nov. 24."

There was an item on the Nov. 19 Ormond Beach City Commission meeting to approve the sending of a letter of objection regarding the NPUC Application. It was pulled and not voted on.

"That was removed from the agenda," according to Ormond Beach City Manager Joyce Shanahan. "We're not sending a letter of objection at this time, because they have a notice provision that they have to meet with the Public Utilities Commission, and (NPUC) didn't meet that, so they're going to re-advertise (their application.) So, we still have our period to object. So we did not vote on it tonight and expect it to be back in a future agenda."

Residents' reaction to the plan is mixed.

Alma More of Oakview Circle said, "I have lived in this house for 50 years, and I like the way things are now. I also don't like the cost of doing this and the cost that will be afterwards."

While Ray Parkhurst of Avalon Drive said, "If (NPUC) is trying to get condos off private septic tanks that environmentally makes sense. I don't have a problem with it as long as the taxpayer doesn't have to pay the brunt of it. We're on a septic here at the house. If he's trying to improve his business by getting more customers at the same time it's [helping the environment](#) and those people are willing to pay for it, then I'm for it.

"I would like to get off of the septic, but I'm not capable of paying that kind of cost," Mr. Parkhurst said. "There's a background on this street. About five or seven years ago we voted down hooking up to storm sewer and septic because they wanted to assess each home owner, each lot owner, \$13,000. So. I would not support hooking up to the system."

Cindy Muir, director of the Office of Public Information at the Florida Public Service commission, said the staff, "is still working on the (NPUC) application. There will be a (public) hearing (on the application) and customer meetings in the area, but I have no [idea](#) when to tell you when they will be held. Our staff

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 29 30 31

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has not seen the card (sent by NPUC), and they had nothing to do with it."

"At this point in time they haven't said anything about building any plants," she said. "(The application) is about adding to the territory."

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# North Peninsula Utilities Corp.

P.O. Box 2803  
Ormond Beach, FL 32175  
386-677-7847 phone  
386-677-8146 fax  
developershw@gmail.com

July 18, 2014

Stanley Rieger, P.E.  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399



RE: Docket No. 130209-SU  
Application for expansion of certificate (CIAC) (New Wastewater  
Line extension charge) by NPUC.

Dear Mr. Rieger:

From the previous information that John Wharton forwarded to you, we have settled with both Volusia County and the City of Ormond Beach.

This letter transmits the 17 items requested by you for the continued processing of the request by NPUC for (a) the service area expansion and (b) the new CIAC fee for the utility line extensions.

The attached items are:

1. Notice documentation
2. Proposed lines, treatment facilities, and territory maps
3. Additional filing fee
4. Newspaper notice
5. Original Cost
6. Accumulated depreciation
7. Number of active customer
8. Capacity
9. Developer agreements
10. CIAC
11. Accumulated Amortization of CIAC
12. Permits for construction

13. Construction Cost---By uniform system of accounts and timetable
14. Statement by Engineer
15. Projected Growth
16. Service Availability Charge
17. Capital Structure

We believe the above is responsive to your requests.

Sincerely,



Robert L. Hillman  
North Peninsula Utilities Corp.

Cc: John Wharton, esq. - Dean Mead  
800 North Magnolia Ave. Suite 1500  
Orlando, FL 32803

Gerald Hartman, P.E.- Hartman Consultants, LLC  
2107 Water Key Dr.  
Windermere, FL 34786

Attachment #1  
NPUC Notice Documentation

(by NPUC)

PONCE INLET	FL	32127-6904
ASTOR	FL	32102-0077
PALATKA	FL	32178-1429
TALLAHASSEE	FL	32399-6588
TALLAHASSEE	FL	32399-7019
LADY LAKE	FL	32158-2480
ATLANTA	GA	30328-6128
OSTEEN	FL	32764-9632
OSTEEN	FL	32764-9632
ORMOND BEACH	FL	32175-2803
DAYTONA BEACH	FL	32119-8720
ORMOND BEACH	FL	32174-6740
DELAND	FL	32720-4615
ORLANDO	FL	32803-3767
ALTAMONTE SPRINGS	FL	32701-3422
DAYTONA BEACH SHORES	FL	32118-6159
DAYTONA BEACH	FL	32115-2451
DELAND	FL	32720-5422
DELTONA	FL	32725-1806
EDGEWATER	FL	32132-0100
HOLLY HILL	FL	32117-2807
LAKE HELEN	FL	32744-0039
NEW SMYRNA BEACH	FL	32168-7040
ORMOND BEACH	FL	32176-3613
DAYTONA BEACH	FL	32117-5105

MAYOR	TOWN OF PONCE INLET	4300 S ATLANTIC AVE
	ST JOHNS RIVER UTILITY, INC	PO BOX 77
	ST JOHNS RIVER UTILITY, INC WTR MANAGEMENT DI	PO BOX 1429
	OFFICE OF PUBLIC COUNSEL	111 W MADISON ST STE 812
OFFICE OF COMMISSION CLERK	FLORIDA PUBLIC SERVICE COMMISSION	2540 SHUMARD OAK BLVD
TERRY RAKOCY	AQUA UTILITIES FLORIDA, INC (WS887)	PO BOX 2480
D. BRUCE MAY, JR	D & E WATER RESOURCES LLC (WS905)	1 CONCOURSE PKWY STE 755
MIKE BROWN	FARMTON WATER RESOURCES LLC (WU859)	1625 OSTEEN MAYTOWN RD
MIKE BROWN	FARMTON WATER RESOURCES LLC (SU952)	1625 OSTEEN MAYTOWN RD
ROBERT HILLMAN	NORTH PENINSULA UTILITIES CORPORATION (SU615)	PO BOX 2803
DOUG ROSS	PLANTATION BAY UTILITY CO (WS479)	2379 BEVILLE RD
J STANLEY SHIRAH	TYMBER CREEK UTILITIES INCORPORATED (WS246)	1951 W GRANADA BLVD
	COUNTY MANAGER/CLERK, VOLUSIA COUNTY	123 W INDIANA AVE
	DEP CENTRAL DISTRICT	3319 MAGUIRE BLVD STE 232
	EAST CENTRAL FLORIDA PLANNING COUNCIL	309 CRANES ROOST BLVD STE 2000
MAYOR	CITY OF DAYTONA BEACH SHORES	3050 S ATLANTIC AVE
MAYOR	CITY OF DAYTONA BEACH	PO BOX 2451
MAYOR	CITY OF DELAND % CITY HALL	120 S FLORIDA AVE
MAYOR	CITY OF DELTONA - DELTONA MUNICIPAL COMPLEX	2345 PROVIDENCE BLVD
MAYOR	CITY OF EDGEWATER	PO BOX 100
MAYOR	CITY OF HOLLY HILL	1065 RIDGEWOOD AVE
MAYOR	CITY OF LAKE HELEN	PO BOX 39
MAYOR	CITY OF NEW SMYRNA BEACH	210 SAMS AVE
BOB HILLMAN	HILLMAN WILSON	1460 OCEAN SHORE BLVD
BZ MAILING SERVICES		1901 MASON AVE STE 103



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ORMOND BEACH	FL	32176-2144	6 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2132	60 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-3107	61 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-8905	7 ELOISE CIR	ORMOND BEACH	FL	32176-8905
ORMOND BEACH	FL	32176-2195	7 FAIRWINDS CIR	ORMOND BEACH	FL	32176-2195
ORMOND BEACH	FL	32176-8904	7 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2218	7 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
ST PETERSBURG	FL	33705-0505	7 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2106	8 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
PORT ORANGE	FL	32127-6754	8 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2193	8 ELOISE CIR	ORMOND BEACH	FL	32176-2193
ORMOND BEACH	FL	32176-2195	8 FAIRWINDS CIR	ORMOND BEACH	FL	32176-2195
ORMOND BEACH	FL	32176-2194	8 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-4154	8 SEAFARERS DR	ORMOND BEACH	FL	32176-2235
ORMOND BEACH	FL	32174-8020	8 SMUGGLERS CV	ORMOND BEACH	FL	32176-2220
ORMOND BEACH	FL	32176-3686	8 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2107	9 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-8905	9 ELOISE CIR	ORMOND BEACH	FL	32176-8905
ORMOND BEACH	FL	32176-2195	9 FAIRWINDS CIR	ORMOND BEACH	FL	32176-2195
ORMOND BEACH	FL	32176-8904	9 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2126	9 SEA GRAPE TER	ORMOND BEACH	FL	32176-2126
CENTERVILLE	OH	45459-6642	9 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
DELAND	FL	32724-4431	9 TARPON AVE	ORMOND BEACH	FL	32176-2143
ARLINGTON	VA	22203-1016	98 MARLIN DR	ORMOND BEACH	FL	32176-2212
APOPKA	FL	32703-7815	99 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
OAK HILL	FL	32759-9647				
ORMOND BEACH	FL	32175-0277				
PORT ORANGE	FL	32129-4144				
SOUTH DAYTONA	FL	32121-4960				
ORANGE CITY	FL	32763-5213				
PIERSON	FL	32180				

JOHNSON CHARLES		6 TARPON AVE
SNODERLY MAUREEN JTRS &		24 SEA HAWK DR
WILLIAMSON JAMES W & DONNA K		2126 JOHN ANDERSON DR
CABABE PHILIP M & CAROL		7 ELOISE CIR
PEBURN ERIC & GIOVANNA C		7 FAIRWINDS CIR
ZNOROWSKI JOHN J		7 JULIE DR
COLELLO LORI ANN		7 SEAFARERS DR
NICOLAS ALEXANDER		PO BOX 35257
ELLERY JOHN M & DONNA E		8 CAPISTRANO DR
POWDERLY BRYAN & LAURA		6111 ZION CIR
MARINELLI RICHARD A		8 ELOISE CIR
PUGH HOLLAN &		8 FAIRWINDS CIR
WARD MICHAEL G & SANDRA E		8 JULIE DR
EIGHT SEAFARERS LLC		1250 RIVERBREEZE BLVD
ARMSTRONG GARY A		204 CONIFER LN
THOMAS CAROL F		1239 OCEAN SHORE BLVD APT 11B
BENKEN JOANNE &		9 DOLPHIN AVE
KISSELOFF ALAN S & NANCY		9 ELOISE CIR
ROWGALO BERNARD TRS	BERNARD ROWGALO REV LIVIING TR	9 FAIRWINDS CIR
GMERNICKI JAN & JANE		9 JULIE DR
ROVINS JANICE		9 SEA GRAPE TER
JEFFRIES STACY PATTERSON ETAL		2415 BRIGGS RD
EDWARDS RUTH		606 E WISCONSIN AVE
RODDY FRANCIS TR &		6045 6TH ST N
PHILLIPS ALBERT L TR		3165 CECELIA DR
MAYOR	CITY OF OAK HILL	234 S US HIGHWAY 1
MAYOR	CITY OF ORMOND BEACH	PO BOX 277
MAYOR	CITY OF PORT ORANGE	1000 CITY CENTER CIR
MAYOR	CITY OF SOUTH DAYTONA	PO BOX 214960
MAYOR	TOWN OF ORANGE CITY	205 E GRAVES AVE
MAYOR	TOWN OF PIERSON	106 N CENTER ST

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ORMOND BEACH	FL	32176-2194	4 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-2219	4 SEAFARERS DR	ORMOND BEACH	FL	32176-2219
NAZARETH	PA	18064-9353	4 SMUGGLERS CV	ORMOND BEACH	FL	32176-2220
ORMOND BEACH	FL	32176-2144	4 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2106	40 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2105	41 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
WILMINGTON	DE	19810-3424	42 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2105	43 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2106	44 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2105	45 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2106	46 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2106	48 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2105	49 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2107	5 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
BRIARCLIFF MANOR	NY	10510-2552	5 ELOISE CIR	ORMOND BEACH	FL	32176-8905
ORMOND BEACH	FL	32176-2195	5 FAIRWINDS CIR	ORMOND BEACH	FL	32176-2195
ORMOND BEACH	FL	32176-2217	5 PIRATES CV	ORMOND BEACH	FL	32176-2217
ALTAMONTE SPRINGS	FL	32701-6210	5 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
ORMOND BEACH	FL	32176-2143	5 TARPON AVE	ORMOND BEACH	FL	32176-2143
WILLOWICK	OH	44095-3306	51 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176	53 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ST AUGUSTINE	FL	32080-7349	54 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORLANDO	FL	32814-6757	55 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
MIAMI	FL	33186-2530	57 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2106	58 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
MIAMI	FL	33173-2956	59 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2108	6 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32175-1794	6 ELOISE CIR	ORMOND BEACH	FL	32176-2193
ORMOND BEACH	FL	32176-2195	6 FAIRWINDS CIR	ORMOND BEACH	FL	32176-2195
ORMOND BEACH	FL	32174-3820	6 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-2220	6 SMUGGLERS CV	ORMOND BEACH	FL	32176-2220

AURIGEMMA VICTOR M & JANICE C		4 JULIE DR
HEBERT WILFRED P & ELIZABETH M		4 SEAFARERS DR
COZZE FRANK & JANICE		1185 BANGOR RD
GROCHMAL JUNE L TRUST		4 TARPON AVE
DIETZ WILLIAM E & ELIZABETH A		40 CAPISTRANO DR
GOSCH RICHARD A & SANDRA K		41 CAPISTRANO DR
JANUSZ EDWARD		3022 MAPLE SHADE LN
LA SALLE JOHN J & ARLENE		43 CAPISTRANO DR
GELATKA ANNE M LIFE ESTATE		44 CAPISTRANO DR
STONER JOHN R & DEBORAH R		45 CAPISTRANO DR
DEJULIO SANDRA L		46 CAPISTRANO DR
REILLY JOHN J & KIM E JR		48 CAPISTRANO DR
MAGRATH WILLABELLE		49 CAPISTRANO DR
LAICHE TROY ANDREW & NANCY D T		5 DOLPHIN AVE
DANESHVAR DIANA		66 HOLLOW TREE RD
MALDONADO MIRIAM		5 FAIRWINDS CIR
FORTNER AMBER D & JOHN T		5 PIRATES CV
POOR ROBERT C & JACQUELINE		810 LINDENWALD LN
LUKAC RICHARD & GALE		5 TARPON AVE
BALAZIC JOSEPH P		460 E 329TH ST
LUPOLI LAWRENCE AND LAURI		553 CAPISTRANO DR
SHAPIRO STANLEY H EST &	% ROBIN NORDAN	5489 2ND ST
HYDE SAMUEL E III & ALBERTA L		2863 DORELL AVE
ALONSO MICHAEL A & MARIA O		12200 SW 98TH ST
MARTINSON PAUL A & DEBRA		58 CAPISTRANO DR
MUXO ANA M &	HECTOR L MIR	7619 SW 105TH AVE
HOPKIN HAROLD W JR		6 DOLPHIN AVE
SANGHI AJAY K & SUNANDA		PO BOX 1794
POWELL CHARLES E & MILDRED C		6 FAIRWINDS CIR
PETER CAPPADONNA & VERA M	CAPPADONNA REVOC TRUST	25 PINE VALLEY CIR
HARRIS LEE GEORGE SR & LYNDAL		6 SMUGGLERS CV

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ORMOND BEACH	FL	32176-2197	3661 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2197
ORMOND BEACH	FL	32176-2116	3662 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2116
ORMOND BEACH	FL	32176-2116	3664 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2116
ORMOND BEACH	FL	32176-2107	3665 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2172
ORMOND BEACH	FL	32176-2116	3666 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2116
BARDONIA	NY	10954-2150	3668 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
CONTOOCOOK	NH	03229-0415	3670 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2116
ORMOND BEACH	FL	32176-2116	3672 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2116
ORMOND BEACH	FL	32176-2172	3675 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2172
ORMOND BEACH	FL	32176-2115	3679 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2115
ORMOND BEACH	FL	32176-3602	3680 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
NEW SMYRNA BEACH	FL	32168-8735	3681 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2115	3685 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2115
ORMOND BEACH	FL	32176-8160	3690 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2243	3695 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2105	37 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-8925	3700 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8925
LIZELLA	GA	31052-3830	3710 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8925
ORMOND BEACH	FL	32176-8924	3711 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8924
ORMOND BEACH	FL	32176-8924	3725 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8924
MCDONOUGH	GA	30252-3917	3735 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8924
ORMOND BEACH	FL	32176-8924	3745 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8924
ORMOND BEACH	FL	32176-8924	3765 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8924
ORMOND BEACH	FL	32176-8924	3775 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-8924
ORMOND BEACH	FL	32176-2108	38 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
MONTGOMERY	NY	12549-1813	39 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
LAKE WORTH	FL	33449-8031	4 BASS DR	ORMOND BEACH	FL	32176-2104
ORMOND BEACH	FL	32176-2221	4 BUCCANEER CV	ORMOND BEACH	FL	32176-2221
ORMOND BEACH	FL	32176-2108	4 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2193	4 ELOISE CIR	ORMOND BEACH	FL	32176-2193
ORMOND BEACH	FL	32176-2195	4 FAIRWINDS CIR	ORMOND BEACH	FL	32176-2195



GRUBIC ROGER A		3661 JOHN ANDERSON DR
FRENCH W T & M A		3662 JOHN ANDERSON DR
VAN WERT WILLIAM W & JOAN		3664 JOHN ANDERSON DR
HAUCH ANGEL		33 DOLPHIN AVE
ADAMS GREGORY T &	LINDA S CHADWICK H&W	3666 JOHN ANDERSON DR
KRAMER ARTHUR TR		4 SAYMOR DR
BROWN GEORGE H & SHEILA E		PO BOX 415
CHEN WEI & JANE		3672 JOHN ANDERSON DR
BALOGH JOHN E & VIRGINIA M		3675 JOHN ANDERSON DR
MOONEY TOM & BARBARA		3679 JOHN ANDERSON DR
MESRI JANET		1293 OCEAN SHORE BLVD
DICKINSON CONSTRUCTION CO INC		190 N CUCUMBER LN
DANA FRANKLIN & ALICIA B		3685 JOHN ANDERSON DR
LOMBARDO ANTHONY S		395 S ATLANTIC AVE APT 703
DINORSCE MARK V		131 BARRIER ISLE DR
BOLLENBACK LOIS		37 CAPISTRANO DR
GANSEN MICHAEL LENARD		3700 JOHN ANDERSON DR
TIDWELL RANDALL W & ANN C		9398 HOPEWELL RD
FRENCH BRUCE R & ANNA MAE L / E	THOMAS & SHERRY H FRENCH	3711 JOHN ANDERSON DR
COMBS WALLACE M & KRISTI A		3725 JOHN ANDERSON DR
GARCIA GERTRUDES M TR		532 KIBBEE RD
SANDERS GREGORY E & MARILYN K		3745 JOHN ANDERSON DR
PAWSON THOMAS A & DEBORAH		3765 JOHN ANDERSON DR
HANTEN RICHARD S & PAMELA S		3775 JOHN ANDERSON DR
TYLER DONALD F & TOMMIE W		38 DOLPHIN AVE
TUNNARD SCOTT J & REGINA M		73 BULLVILLE RD
PEREZ RAFAEL & KELLY		10067 FREESIAN WAY
MICKLE PATRICK & DEBRA A		4 BUCCANEER CV
LOKITZ DOROTHY SMOCK &	ALVIN L LOKITZ	4 DOLPHIN AVE
MYERS JEFFERY		4 ELOISE CIR
FOX MARY B TR	MARY B FOX REVOC TRUST	4 FAIRWINDS CIR

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LAKE CLARKE SHORES	FL	33406-8437	3390 OCEAN SHORE BLVD APT 302	ORMOND BEACH	FL	32176-2141
ORMOND BEACH	FL	32176-2189	3393 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2189
ORMOND BEACH	FL	32176-2110	3394 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2110
ORMOND BEACH	FL	32176-2374	34 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2108	34 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
GROVE CITY	OH	43123-9708	3400 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2112
PORT ORANGE	FL	32128-6869	3401 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2111
WILLIAMSBURG	VA	23188-6436	3402 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2112
ORMOND BEACH	FL	32176-2112	3404 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2112
ORMOND BEACH	FL	32176-2111	3405 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2111
ORMOND BEACH	FL	32176-2112	3412 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2112
ORMOND BEACH	FL	32176-2105	35 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2114	3544 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2114
GOODRICH	MI	48438-9246	3550 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2114
ORMOND BEACH	FL	32176-2145	3550 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2145
ORMOND BEACH	FL	32176-2114	3554 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2114
ORMOND BEACH	FL	32176-2114	3556 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2114
MAITLAND	FL	32751-4773	3558 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2114
ORMOND BEACH	FL	32176-2114	3560 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2114
ORMOND BEACH	FL	32176-2114	3562 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2114
DELAND	FL	32720-4615	3570 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2178	3580 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2178
ORMOND BEACH	FL	32176-2106	36 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2108	36 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
PALATKA	FL	32177-6919	3600 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2146
RICHLAND	MI	49083-8522	3608 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176
DAYTONA BEACH	FL	32118-4018	3612 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2146
ORMOND BEACH	FL	32174-2916	3622 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2177
LAKE HELEN	FL	32744-0577	3628 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2177
OCEAN CITY	MD	21843-4347	3638 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2116	3660 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2116



LOONEY MARY C TR		8130 SEDGEWICK CT APT C
DEJOY ROBERT A & ROSALIE A		3393 JOHN ANDERSON DR
SCHNEIDERS MICHAEL A & MARIE D		3394 JOHN ANDERSON DR
PETERSON VERNON RICHARD JR TRS		2900 OCEAN SHORE BLVD APT 201
SYPIAN MICHAEL M & LINDA A		34 DOLPHIN AVE
RAUCK JAMES O & PATRICE A		1111 LONDON GROVEPORT RD
BALDWIN ALFRED DECOZEN		1948 SPRUCE CREEK LNDG
REPLOGLE THOMAS & NAOMI		2 HAMLIN CT
JOHNSON FRANK R & CAROL M		3404 JOHN ANDERSON DR
KLONARIS PETE W & FAY		3405 JOHN ANDERSON DR
WALSH MICHAEL D & SUSAN C		3412 JOHN ANDERSON DR
CACCHILLO JANE A		35 CAPISTRANO DR
REGAN EDWARD R & AGATHA M		3544 JOHN ANDERSON DR
CUMMINGS DAVID &	KIMBERLY J WEBER H&W	10105 PINE MEADOWS CT
STAFFORD JOHN D & NANCY R		3550 OCEAN SHORE BLVD
MILES DANIEL THOMAS & LINDA E		3554 JOHN ANDERSON DR
PHILLIPP JAMES G		3556 JOHN ANDERSON DR
RYAN DENNIS M & CAROL T		100 E SYBELIA AVE STE 130
PERRY RICHARD L & LAURIE W		3560 JOHN ANDERSON DR
SEUFER OTTO A & HELGA		3562 JOHN ANDERSON DR
COUNTY OF VOLUSIA		123 W INDIANA AVE
BLACK TIP GRAPHICS INC		3580 OCEAN SHORE BLVD
KUSZIK TROY		36 CAPISTRANO DR
TOWLE JOHN G JR & MARY ANN A		36 DOLPHIN AVE
STRICKLAND JACK W & BOBBIE J		524 CEDAR CREEK RD
SHARP MICHAEL P		10638 WILDWOOD DR
KEATING GAIL L		528 N HALIFAX AVE
BLEDSON RICHARD C		307 AIRPORT RD
MOSS TAMMY		PO BOX 577
COFFIN KEITH A		PO BOX 4347
JOHNSON DONALD C &	LISA A FARRAR JTWROS	3660 JOHN ANDERSON DR





ORMOND BEACH	FL	32176-2208	3116 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2208
ORMOND BEACH	FL	32176-2207	3119 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2207
ORMOND BEACH	FL	32176-2208	3120 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2208
DAYTONA BEACH	FL	32117-5500	3123 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2207
ORMOND BEACH	FL	32176-2208	3124 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2208
WOODSTOCK	CT	06281-2226	3125 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2207
ORMOND BEACH	FL	32176-2207	3129 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2207
ORMOND BEACH	FL	32175-0221	3132 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2208
ORMOND BEACH	FL	32176-2259	3135 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2259
GAINESVILLE	FL	32653-3311	32 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
DAYTONA BEACH	FL	32118-5511	3200 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2105	33 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2107	33 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-2110	3300 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2110
DAYTONA BEACH	FL	32118-5511	3300 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2209	3301 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2209
ORMOND BEACH	FL	32176-2109	3305 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2109
ORMOND BEACH	FL	32176-2110	3310 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2110
ORMOND BEACH	FL	32176-2121	3310 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2121
ORMOND BEACH	FL	32176-2121	3320 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2121
ORMOND BEACH	FL	32176-2110	3324 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2110
ORMOND BEACH	FL	32176-2109	3357 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2109
ORMOND BEACH	FL	32176-2185	3360 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2185
ORMOND BEACH	FL	32176-8926	3370 OCEAN SHORE BLVD APT 102	ORMOND BEACH	FL	32176-8902
ORMOND BEACH	FL	32176-2189	3373 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2189
ORMOND BEACH	FL	32176-2189	3377 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2189
ORMOND BEACH	FL	32176-2195	3382 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2110	3384 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2110
ORMOND BEACH	FL	32176-2110	3386 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2110
VIRGINIA BEACH	VA	23451-7149	3390 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2110
ORMOND BEACH	FL	32176-8927	3390 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-8927

DEVCO FURNITURE IMPORTS LTD		3116 JOHN ANDERSON DR
MARZILLI LOUIS A		3119 JOHN ANDERSON DR
GODFREY PERRY L / E		3120 JOHN ANDERSON DR
MYRNA H FUX QUALIFIED PERSONAL	RESIDENCE TRUST	1655 N CLYDE MORRIS BLVD STE 2
MAUZY ALICE W		3124 JOHN ANDERSON DR
LABONTE MARK & DENISE		70 JOY RD
DERENSIS ROBERT C & CAROLINE S		3129 JOHN ANDERSON DR
NEWSLOW JAMES A III		PO BOX 221
HARRISON SUSAN C		3135 JOHN ANDERSON DR
MANSOUR IMAD M & GAIL M		5100 NW 62ND CT
VENDITTO ANN ET ALS		1 PLEASANT VIEW CIR
IGNASIAK MICHAEL & PATRICIA L		33 CAPISTRANO DR
HAUCH ALAN C & ANGEL W		33 DOLPHIN AVE
GLEICHMANN PATRICIA ANN TR		3300 JOHN ANDERSON DR
VENDITTO ANN ET ALS		1 PLEASANT VIEW CIR
THOMAS ROBIN G &	ROSEMARIE A FRANCKE	3301 JOHN ANDERSON DR
OLEARY T J & LOIS S		3305 JOHN ANDERSON DR
WEILER BETTY JANE		3310 JOHN ANDERSON DR
SCHUTTE EDWARD & MARY CO-TTEE		3310 OCEAN SHORE BLVD
GAD MELISSA M		3320 OCEAN SHORE BLVD
REDNER LOUISE M BARTSCH TR &	LOUISE M BARTSCH REDNER TRUST	3324 JOHN ANDERSON DR
TOPPER ALAN D & CARLA W		3357 JOHN ANDERSON DR
FAIRWIND SHORES CONDO ASSOC		3360 OCEAN SHORE BLVD
HOMEOWNERS ASSOCIATION		3370 OCEAN SHORE BLVD
BIRCHFIELD DANIEL R &	DELORIS C BIRCHFIELD	3373 JOHN ANDERSON DR
RICHTER RICHARD H & CAROL M		3377 JOHN ANDERSON DR
PEBURN ERIC & GIOVANNA		7 FAIRWINDS CIR
DAHLEN ROBERT & NANNINE		3384 JOHN ANDERSON DR
DECESARE GEORGE J & MARILYN		3386 JOHN ANDERSON DR
BEACH BRAD & ANY		513 LIGHTHOUSE PT
OCEANAIRE CONDO ORMOND-BY-THE-	SEA ASSOC	3390 OCEAN SHORE BLVD

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ORMOND BEACH	FL	32176-2845	3001 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2214	3010 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2214
ORMOND BEACH	FL	32176-2205	3019 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2205
ORMOND BEACH	FL	32176-2232	3020 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2206
ORMOND BEACH	FL	32176-2214	3020 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2214
ORMOND BEACH	FL	32176-2205	3021 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2205
ORMOND BEACH	FL	32176-2228	3023 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2228
ORMOND BEACH	FL	32176-2206	3024 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2206
ORMOND BEACH	FL	32176-2248	3029 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2248
FLAGLER BEACH	FL	32136-4920	3030 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2214	3030 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2214
NEW SMYRNA BEACH	FL	32168-8359	3040 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2248	3055 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2248
ORMOND BEACH	FL	32176-2248	3059 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2248
ORMOND BEACH	FL	32176-2206	3060 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2206
ORMOND BEACH	FL	32176-2227	3061 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2227
ORMOND BEACH	FL	32176-2214	3070 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2214
DALLAS	TX	75381	3072 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2214
MORaine	OH	45439-1861	3074 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2214
DALLAS	TX	75381-0490	3076 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2214
ORMOND BEACH	FL	32176-2310	3080 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2206
ORMOND BEACH	FL	32175-1765	3090 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2206
ORMOND BEACH	FL	32176-2107	31 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-8904	31 JULIE DR	ORMOND BEACH	FL	32176-8904
OCALA	FL	34474-9407	31 SEABRIDGE DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2143	31 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2208	3100 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2208
ORMOND BEACH	FL	32176-6617	3100 OCEAN SHORE BLVD	ORMOND BEACH	FL	32176-2249
ORMOND BEACH	FL	32176-2207	3101 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2207
DAYTONA BEACH	FL	32115-0227	3110 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2208
ORMOND BEACH	FL	32176-2207	3115 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2207

MCKOWN G V		2269 JOHN ANDERSON DR
BOULOS SAMIR D LIFE EST		3010 OCEAN SHORE BLVD
KARAS SAMUEL B L & PAULETTA H		3019 JOHN ANDERSON DR
COWGER IVAN M & JANIE B		120 CAPRI DR
WAYNE DAVID A & LINDA B		3020 OCEAN SHORE BLVD
RILEY CHERYL L &	MARGARET P WILLIAMS	3021 JOHN ANDERSON DR
STENEKEN GERARD L SR & BETTY J		3023 JOHN ANDERSON DR
NEIMAN PAUL JAMES TR	PAUL JAMES NEIMAN REVOC TRUST	3024 JOHN ANDERSON DR
MATRA ROCCO & BARBARA TR		3029 JOHN ANDERSON DR
FOGARTY MICHAEL W &	COLEEN K FOGARTY	15 WHITEHALL CT
HANSARD KIMBERLY B		3030 OCEAN SHORE BLVD
FRIENDS BANK		2222 STATE ROAD 44
AMBROSIA LUDOVICO & LOIS		3055 JOHN ANDERSON DR
PRICE GAYLORD L JR &	ANN R KASHMER	3059 JOHN ANDERSON DR
MILETTI ROBERT P & DIANE		3060 JOHN ANDERSON DR
JINKS GARY & LINDA		3061 JOHN ANDERSON DR
SEABROOK MELANIE		3070 OCEAN SHORE BLVD
MOODY RICHARD J TTEE &	% ICG	PO BOX 8104490
MOODY RICHARD J		2360 W DOROTHY LN STE 201
MOODY RICHARD J TR ET AL	C/O INDUSTRY CONSULTING GROUP	PO BOX 810490
CAY EMIN S		1 EVERGREEN CIR
BOYETT JAMES		PO BOX 1765
ASSELIN GEORGE A		31 DOLPHIN AVE
MAXWELL ROBERT G &	SUSAN J MCLANE-MAXWELL H&W	31 JULIE DR
MILITELLO JANET L TR		3575 SW 51ST TER
BUCK DONALD F LF EST		31 TARPON AVE
SUAH MICHAEL J & NANCY L		3100 JOHN ANDERSON DR
HOMEOWNERS ASSOCIATION		18 BOVARD AVE STE A
WALTERS LYNETTE D		3101 JOHN ANDERSON DR
SHAMROCK-SHAMROCK INC		PO BOX 227
MOREMAN JEFFERY & CLAUDIA P		3115 JOHN ANDERSON DR

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ORMOND BEACH	FL	32176-2326	2861 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2326
ORMOND BEACH	FL	32176-2327	2868 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32176-2327	2872 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32176-2326	2875 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2326
ORMOND BEACH	FL	32174-3019	2876 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32175-4176	2880 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32176-2327	2884 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32176-2326	2887 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2326
LISBON	OH	44432-9432	2889 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2326
ORMOND BEACH	FL	32176-2327	2890 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32176-2384	2893 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2384
ORMOND BEACH	FL	32176-2384	2895 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2230
ORMOND BEACH	FL	32176-2226	2896 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2226
ORMOND BEACH	FL	32176-2230	2899 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2230
DELAND	FL	32721-2394	29 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-8904	29 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2143	29 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2204	2900 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2204
ORMOND BEACH	FL	32176-2240	2901 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2240
PLANTATION	FL	33317-2613	2903 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
FRAMINGHAM	MA	01701-4062	2904 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2204
ORMOND BEACH	FL	32176-2204	2906 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2204
OCALA	FL	34471-6767	3 BASS DR	ORMOND BEACH	FL	32176-2103
ORMOND BEACH	FL	32176-2221	3 BUCCANEER CV	ORMOND BEACH	FL	32176-2221
ORMOND BEACH	FL	32176-8905	3 ELOISE CIR	ORMOND BEACH	FL	32176-8905
ORMOND BEACH	FL	32176-2217	3 PIRATES CV	ORMOND BEACH	FL	32176-2217
ORMOND BEACH	FL	32176-2218	3 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
ORMOND BEACH	FL	32176-2143	3 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2106	30 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
AURORA	CO	80016-1170	30 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2144	30 TARPON AVE	ORMOND BEACH	FL	32176-2144



COTTON SUZANNE		2861 JOHN ANDERSON DR
GENTRY SARA RUTH		2868 JOHN ANDERSON DR
WURZBACHER ALAN K		2872 JOHN ANDERSON DR
HORNBERGER IDA M		2875 JOHN ANDERSON DR
MARZILLI ANN S TR	ANN S MARZILLI REVOC TR	11 SHERRINGTON DR
PULLIAM CATHY H		PO BOX 4176
SAMPLE PATRICIA A C		2884 JOHN ANDERSON DR
CALLAHAN KEVIN R & DEBRA L		2887 JOHN ANDERSON DR
PATRIOT LAND CO LLC		7716 DEPOT RD UNIT 1
COUGHLIN KATHLEEN N TR		2890 JOHN ANDERSON DR
REISS ROBERT & JANE DEVINE		2893 JOHN ANDERSON DR
DEVINE JANE &	REISS ROBERT	2893 JOHN ANDERSON DR
MCMICHAEL ANNE W EST		2896 JOHN ANDERSON DR
LANK JULI A & JTRS		2899 JOHN ANDERSON DR
TANGO 1 LLC &		PO BOX 2394
SIMMS RICHARD L & FRANCES M		29 JULIE DR
SOLUSTRI HUGO C JR & SUKHON		29 TARPON AVE
WAFIK IBRAHIM A		2900 JOHN ANDERSON DR
FERGUSON GUY W & JOAN A		2901 JOHN ANDERSON DR
TRACY NATHAN R & GAIL U		232 BAYBERRY DR
POOLE DONALD A & CYNTHIA &	JACQUELINE MARGARET POOLE JTRS	23 SALVI DR
DALY BRIAN C & PATRICIA		2906 JOHN ANDERSON DR
ACEVEDO PATRICK V & KELLY K		3311 SE 18TH CT
TAYLOR RAYMOND H & PHYLLIS A		3 BUCCANEER CV
TOWNLEY MATTHEW B		3 ELOISE CIR
HARTLEY CHRISTOPHER & DOROTHY		3 PIRATES CV
THOMAS LILLIAN L &		3 SEAFARERS DR
SCHENCK KATHLEEN		3 TARPON AVE
MUELLER LARRY E & ANITA M		30 CAPISTRANO DR
ERICKSON JAMES T & ANN M		6241 S WALDEN CT
RUZECKI EVON P & KYPARISSIA		30 TARPON AVE

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ORMOND BEACH	FL	32176-2314	2675 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2314
ORMOND BEACH	FL	32174-2946	2677 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2314
ORMOND BEACH	FL	32176-2314	2679 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2314
ORMOND BEACH	FL	32176-2315	2684 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2315
ORMOND BEACH	FL	32176-2357	2685 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2357
FLEMINGTON	NJ	08822-2631	2686 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2315
ORMOND BEACH	FL	32176-2357	2687 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2357
ORMOND BEACH	FL	32176-2315	2688 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2315
ORMOND BEACH	FL	32176-2357	2689 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2357
ORMOND BEACH	FL	32176-2315	2690 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2315
ORMOND BEACH	FL	32176-2315	2692 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2315
OSSINING	NY	10562-1005	2693 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2315
WILLOUGHBY	OH	44094-4204	2697 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2356
ORMOND BEACH	FL	32176-2107	27 DOLPHIN AVE	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2114	27 TARPON AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-2316	2701 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2317	2702 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2316
ORMOND BEACH	FL	32176-2317	2704 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2317
ORMOND BEACH	FL	32176-2316	2705 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2317
ORMOND BEACH	FL	32176-2317	2706 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2316
ORMOND BEACH	FL	32176	2707 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2317
ORMOND BEACH	FL	32176-2317	2708 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2316
ORMOND BEACH	FL	32176-2316	2711 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2317
ORMOND BEACH	FL	32176-2144	28 TARPON AVE	ORMOND BEACH	FL	32176-2316
ORMOND BEACH	FL	32176-2327	2800 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2326	2801 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
DE LEON SPRINGS	FL	32130-3337	2841 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2326
ORMOND BEACH	FL	32176-2327	2848 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2326
ORMOND BEACH	FL	32176-2327	2852 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32176-2327	2856 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327
ORMOND BEACH	FL	32176-2327	2860 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2327



LEMMON BARBARA		2675 JOHN ANDERSON DR
TRAUDT LINDA		11 GENTLE BEN PATH
NOGAJ LAURA MAZZARELLA		2679 JOHN ANDERSON DR
BYARS EMORY S		2684 JOHN ANDERSON DR
BENESCH HENRY D & BARBARA T		2685 JOHN ANDERSON DR
PENNINGTON TERESITA V & DEAN		2 VANTAGE DR
BOSI CARLO A & DOROTHY		2687 JOHN ANDERSON DR
BYRNE JAMES J		2688 JOHN ANDERSON DR
BODDIE SAMUEL L &	BRENDA J MITCHELL	2689 JOHN ANDERSON DR
KOVALTCHOUK IGOR PA		2690 JOHN ANDERSON DR
GODBEY JEFFREY T & ALICE L		2692 JOHN ANDERSON DR
SPAGNOLI MARINO & MARIA		469 ILLINGTON RD
CASGAR THOMAS W		5164 SOM CENTER RD
BUECHE MARGUERITE A		27 DOLPHIN AVE
WEAVER CANDY H		3548 JOHN ANDERSON DR
BROOKS CLINT DEE WINTON		2701 JOHN ANDERSON DR
HEISE DAVID & KATHLEEN A		2702 JOHN ANDERSON DR
RUCKER JOHN L SR &	THERESA LESSARD	2704 JOHN ANDERSON DR
MCCULLEY THOMAS P & ELAINE J		2705 JOHN ANDERSON DR
DOIG VICTOR F & PHYLLIS A		2706 JOHN ANDERSON DR
REDMOND SUSAN MCKAY &		2371 JOHN ANDERSON DR
KOWALSKI ROMAN T & ROCHELLE		2708 JOHN ANDERSON DR
MURRAY OMER E & NANCY P		2711 JOHN ANDERSON DR
SANDEN REBECCA LENA		28 TARPON AVE
HARPER MICHAEL D & PAMELA K		2800 JOHN ANDERSON DR
WYANT DAVID E		2801 JOHN ANDERSON DR
KELDER KEVIN ETAL		485 CORDOVA AVE
MURRELL JOHN T &	SUZONNE G MURRELL	2848 JOHN ANDERSON DR
OCAMPO JOSE JR & ESTHER S		2852 JOHN ANDERSON DR
STEINMANN EUGEN K II &	CYNTHIA J STEINMANN	2856 JOHN ANDERSON DR
WHALEY BENJAMIN F JR & JEAN T		2860 JOHN ANDERSON DR



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ORMOND BEACH	FL	32176-2808	2406 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2808
FLAGLER BEACH	FL	32136-4058	2407 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2807
ORMOND BEACH	FL	32176-2807	2409 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2807
ORMOND BEACH	FL	32176-2807	2411 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2807
ORMOND BEACH	FL	32176-2808	2412 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2808
NORTH BABYLON	NY	11703-5211	2415 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2807
APOPKA	FL	32703-4792	2422 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2808
ORMOND BEACH	FL	32176-2105	25 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2107	25 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-8904	25 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2143	25 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2404	2500 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2404
ORMOND BEACH	FL	32176-2403	2565 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2403
ORMOND BEACH	FL	32176-2418	2569 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2418
DAYTONA BEACH	FL	32118-5237	2570 JOHN ANDERSON DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2418	2571 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2418
ORMOND BEACH	FL	32176-2418	2573 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2418
ORMOND BEACH	FL	32176-2418	2575 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2418
PHILADELPHIA	PA	19130-3010	2577 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2418
ORMOND BEACH	FL	32176-2404	2578 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2404
ORMOND BEACH	FL	32176-2106	2581 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2417
ORMOND BEACH	FL	32176-2417	2585 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2417
ORMOND BEACH	FL	32176-2404	2586 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2404
ORMOND BEACH	FL	32176-2417	2587 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2417
ORMOND BEACH	FL	32176-2404	2588 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2404
ORMOND BEACH	FL	32176-2417	2589 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2417
ORMOND BEACH	FL	32176-2108	26 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2314	2607 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2314
ORMOND BEACH	FL	32176-2314	2627 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2314
ORMOND BEACH	FL	32176-2314	2667 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2314
ORMOND BEACH	FL	32176-2314	2671 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2314

POSSICK SIDNEY & EUGENIA M		2406 JOHN ANDERSON DR
LULGJURAJ MARINA		621 S 23RD ST
PRO MICHAEL L & BAMBI L		2409 JOHN ANDERSON DR
FAHNDRICH BARBARA		2411 JOHN ANDERSON DR
SUNGENIS JOSEPH R & EMMA L		2412 JOHN ANDERSON DR
HEIKKILA JOHN & LINDA S		79 PICKWICK LN
GAMBLE ELIZABETH C &		1755 DEANNA DR
VIERS HELEN J		25 CAPISTRANO DR
DAVIS ROBERT J &	MARY & BOBY J DAVIS JTWROS	25 DOLPHIN AVE
MARELLA RICHARD L & MONIQUE M		25 JULIE DR
WELKER NEIL R TR	NEIL R WELKER DECL OF TRUST	25 TARPON AVE
CHRISTOPHER WILLIAM C		2500 JOHN ANDERSON DR
CONTOIS JACQUELINE PAULA &	HENRY LONEY HEADLEY JTWROS	2565 JOHN ANDERSON DR
PAINER JOHN E & PAMELA JANE		2569 JOHN ANDERSON DR
AHMED SHAFAT & CAROL		2044 S PENINSULA DR
HOLMES DOROTHY G		2571 JOHN ANDERSON DR
HARDIN MADELINE		2573 JOHN ANDERSON DR
HULING MARK & DIANA		2575 JOHN ANDERSON DR
MCKIBBIN FRANCIS & PATRICIA		2401 PENNSYLVANIA AVE
LONG JOHN C JR & JANET G		2578 JOHN ANDERSON DR
RUSSO ANTHONY V & KAREN M		40 CAPISTRANO DR
CORTEZ RICK & JANIS H TR		2585 JOHN ANDERSON DR
BOOHER MICHAEL L & NANCY K		2586 JOHN ANDERSON DR
NUTT ROGER L & JANET K		2587 JOHN ANDERSON DR
TIETZ IRENE TR		2588 JOHN ANDERSON DR
HODKINSON S P & ELIZABETH J		2589 JOHN ANDERSON DR
WOOD ANA D L / E		26 DOLPHIN AVE
MUSSELWHITE TERRY LEE & LOUISE		2607 JOHN ANDERSON DR
DAYTONA CONCRETE WORKS INC		2627 JOHN ANDERSON DR
HELGEMO RONALD L & CHRISTINA L		2667 JOHN ANDERSON DR
HERSHEY LARRY & CAROL		2671 JOHN ANDERSON DR

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POMPANO BEACH	FL	33060-8127	2215 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2803
ORMOND BEACH	FL	32176-2804	2232 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2804
ORMOND BEACH	FL	32176-2838	2235 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2804	2240 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2804
ORMOND BEACH	FL	32176-2804	2246 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2804
ORMOND BEACH	FL	32176-2838	2247 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2838	2249 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2838	2253 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2804	2260 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2804
ASHLAND	OH	44805-4534	2261 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2838	2263 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2838	2265 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2838	2267 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2838
ORMOND BEACH	FL	32176-2845	2269 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2845
MADISON	AL	35758-2804	2270 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2804
ORMOND BEACH	FL	32176-2845	2271 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2845
ORMOND BEACH	FL	32176-2804	2274 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2804
ORMOND BEACH	FL	32176-4701	2278 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2804
ORMOND BEACH	FL	32176-2182	23 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-8904	23 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2143	23 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2806	2302 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2806
ORMOND BEACH	FL	32176-2805	2305 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2805
ORMOND BEACH	FL	32176-2805	2306 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2806
MIAMI BEACH	FL	33140-0645	2375 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2805
ORMOND BEACH	FL	32176-2806	2384 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2806
ORMOND BEACH	FL	32176-2106	24 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
MAITLAND	FL	32794-0313	24 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2144	24 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2807	2401 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2807
ORMOND BEACH	FL	32176-2807	2405 JOHN ANDERSON DR	ORMOND BEACH	FL	32176-2807

HOLUBECK FRANK		611 SE 5TH TER
WAND JUDITH A TR &	JUDITH A WAND REVOC TRUST 2	2232 JOHN ANDERSON DR
CALES ROY & DAWN		2235 JOHN ANDERSON DR
WAGNER GREGORY M & JOSEPHINE M		2240 JOHN ANDERSON DR
SAUNDERS JOHN R &	BARBARA C L/E	2246 JOHN ANDERSON DR
KOLEILAT KHALED M & DENISE D &	LAUREN YASMIN KOLEILAT JTWRs	2247 JOHN ANDERSON DR
LIPMAN EDWARD S & JACQUELINE		2249 JOHN ANDERSON DR
RIVERVIEW METHODIST CHURCH	OF ORMOND BEACH INC	2253 JOHN ANDERSON DR
CUNHA OLIMPIO F & ADRIENE F		2260 JOHN ANDERSON DR
GENTILE ANTHONY W TR &	CONCETTA GENITILE TR	1017 COOPER DR
RAFOOL JACK RAY & MYRA ELAINE		2263 JOHN ANDERSON DR
PAUL GEORGE A & NANCY M		2265 JOHN ANDERSON DR
GRAYSON GARY L & NORMA LYNN		2267 JOHN ANDERSON DR
MCKOWN G V		2269 JOHN ANDERSON DR
MURPHY NEILL CARMICHAEL III TR	FRANCES H MURPHY REVOC TRUST	170 INWOOD TRL
CASDEN SIDNEY & CATHERINE H		2271 JOHN ANDERSON DR
SHROYER DAVID B & JUDY		2274 JOHN ANDERSON DR
POINTIER JEAN-PIERRE M		667 OCEAN SHORE BLVD
MAKSO DAOUD		116 SAND DUNES DR
ERMISCH RUDOLPH J & CAROLE L		23 JULIE DR
LAGROTTA STINAMAY A		23 TARPON AVE
CARDUNER STEVE		2302 JOHN ANDERSON DR
GRANDE SCOTT J		2305 JOHN ANDERSON DR
GRANDE JOSEPH A		2305 JOHN ANDERSON DR
AZARI JOHN		PO BOX 402645
PATTERSON L J & EILEEN L		2384 JOHN ANDERSON DR
ANDERTON ROBERT L & MARGARET S		24 CAPISTRANO DR
GETZEN PETER & MELANIE H & W		PO BOX 940313
COLLINS MICHAEL ARTHUR &	STEVEN C COLLINS	24 TARPON AVE
NOLTE WILLIAM H & JO EVERETT		2401 JOHN ANDERSON DR
HAVENS DEBORAH MARIAH		2405 JOHN ANDERSON DR

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ORMOND BEACH	FL	32176-8904	17 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2218	17 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
ATLANTA	GA	30328-4262	17 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2385	174 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32176-2106	18 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2108	18 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32174-4859	18 ELOISE CIR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2194	18 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-2144	18 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2105	19 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
HALIFAX	VA	24558-3095	19 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
MARLBOROUGH	MA	01752-1045	19 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2218	19 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
ROAN MOUNTAIN	TN	37687-3393	2 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2195	2 FAIRWINDS CIR	ORMOND BEACH	FL	32176-2195
ORMOND BEACH	FL	32176-2845	2 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32175-2622	2 PIRATES CV	ORMOND BEACH	FL	32176-2217
FLAGLER BEACH	FL	32136-1921	2 SEA HARBOR DR W	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2220	2 SMUGGLERS CV	ORMOND BEACH	FL	32176-2220
ORMOND BEACH	FL	32176-2143	2 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2106	20 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2193	20 ELOISE CIR	ORMOND BEACH	FL	32176-2193
ORMOND BEACH	FL	32176-2194	20 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-2236	20 SEAFARERS DR	ORMOND BEACH	FL	32176-2236
ORMOND BEACH	FL	32176-2144	20 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2105	21 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
ORMOND BEACH	FL	32176-2105	21 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-8904	21 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2143	21 TARPON AVE	ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2106	22 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2108	22 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108



EPSTEIN DAHVIE		17 JULIE DR
ROY ERNEST J TR &		17 SEAFARERS DR
COOK ALLISON B & CHRISTOPHER S		215 THE SOUTH CHACE
HANSSEN SHERMAN L & ELVA J &	KENT S HANSSEN	174 RIVERWALK CT
FRATTIN ANDREW & ROBIN T TR		18 CAPISTRANO DR
FISHER KATHLEEN M		18 DOLPHIN AVE
RONCI JEFFERY J &	JULIE M RONCI	355 APPLGATE LNDG
BASSO THOMAS & ANNA E		18 JULIE DR
ANDERSON LORETTA C &	STINAMAY LAGROTTA JTRS	18 TARPON AVE
HERMANN ROBERT L & KATHLEEN		19 CAPISTRANO DR
ARNOLD JEFF &	KELLY ARNOLD	1200 SALISHAN DR
AUGER GERARD R & JO-ANN C		51 CHASE RD
DUNN ROBERT R & MARGARET J		19 SEAFARERS DR
SPRADLING STANLEY & MARCIA		222 CHEROKEE PATH
CHERNOFF JEFFREY D & MARIE P	& G V MCKOWN	2 FAIRWINDS CIR
MCKOWN G V		2269 JOHN ANDERSON DR
JUPETER LNDSCPNG & GRNDS INC		PO BOX 2622
WOODIN RICHARD K TR		PO BOX 1921
MOONEY PAUL D & JUANITA		2 SMUGGLERS CV
SOLUSTRI SUKHON		29 TARPON AVE
WILLIAMS RICHARD C & RENITA A		20 CAPISTRANO DR
MARIANETTI TONY & PATRICIA		20 ELOISE CIR
GIROUARD AUTHUR E		20 JULIE DR
VERRETT JAMES H & KATY		20 SEAFARERS DR
LEMA COSTANTINO		20 TARPON AVE
GOERES KEN J JR & CHARLOTTE M		21 CAPISTRANO DR
ELIAS BARBARA J		29 CAPISTRANO DR
CALLAHAN ROBERT & GLORIA		21 JULIE DR
BERRY ELLEN M		21 TARPON AVE
SCHAMAUN WENDY P		22 CAPISTRANO DR
BARTON BRIAN		22 DOLPHIN AVE

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FEDERAL WAY	WA	98023-4617	151 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2385	151 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
LANSDALE	PA	19446-4864	152 AVALON DR	ORMOND BEACH	FL	32176-2264
ORMOND BEACH	FL	32176-2232	152 CAPRI DR	ORMOND BEACH	FL	32176-2232
ORMOND BEACH	FL	32176-2245	152 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
INMAN	SC	29349-7009	153 AVALON DR	ORMOND BEACH	FL	32176-2267
OCALA	FL	34471-3169	153 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2105	154 AVALON DR	ORMOND BEACH	FL	32176-2264
IRVINE	CA	92614-4297	154 CAPRI DR	ORMOND BEACH	FL	32176
DELAND	FL	32720-4615	154 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2327	155 AVALON DR	ORMOND BEACH	FL	32176-2267
FORT LAUDERDALE	FL	33308-2505	155 CAPRI DR	ORMOND BEACH	FL	32176
AUSTIN	TX	78758-6121	156 AVALON DR	ORMOND BEACH	FL	32176-2264
AUBURN	WA	98001-3604	156 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2385	156 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
DELAND	FL	32720-4615	156 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32174-4879	157 AVALON DR	ORMOND BEACH	FL	32176-2267
ORMOND BEACH	FL	32176-2385	157 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32176-2264	158 AVALON DR	ORMOND BEACH	FL	32176-2264
ORMOND BEACH	FL	32176-2232	158 CAPRI DR	ORMOND BEACH	FL	32176-2232
ORMOND BEACH	FL	32176-2267	159 AVALON DR	ORMOND BEACH	FL	32176-2267
ORMOND BEACH	FL	32176-2233	159 CAPRI DR	ORMOND BEACH	FL	32176-2233
ORMOND BEACH	FL	32176-2106	16 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
CUMMING	GA	30028-6504	16 ELOISE CIR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2194	16 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-2236	16 SEAFARERS DR	ORMOND BEACH	FL	32176-2236
ORMOND BEACH	FL	32176-2144	16 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32175-1072	160 AVALON DR	ORMOND BEACH	FL	32176-2264
ORMOND BEACH	FL	32176-2385	162 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32176-2385	163 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32174-3835	17 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107

STRELYUK ALEKSEY &		31323 2ND AVE SW
CRUM JULIA		151 RIVERWALK CT
WALTER ROBIN L		1507 SAINT ANDREWS WAY
LAWREY GARY R & CORLISS A		152 CAPRI DR
KUHN DENNIS L & PATRICIA B		125 SANDPIPER RIDGE DR
GRAETZ KARL E & GLADYS O		111 OWENS DR
ROTH MICHAEL S & TINA M		4335 SE 8TH ST
STONER JOHN R & DEBORAH R		45 CAPISTRANO DR
SEREDNYCKY ANDREW		17900 VON KARMAN AVE STE 200
COUNTY OF VOLUSIA		123 W INDIANA AVE
HARPER MICHELE L		2800 JOHN ANDERSON DR
FABIAN ROBERT S		2118 NE 56TH PL
MERRITT KATHERINE F EST	C/O J G MERRITT	1715 HARLIQUIN RUN
STRELYUK VERA & VICTOR		32266 46TH PL S
SUDOL STANISLAWA L / E		156 RIVERWALK CT
COUNTY OF VOLUSIA		123 W INDIANA AVE
GESTIDO SUSANA B		13 BAYBERRY DR
PASCARELLA ANTHONY & MARY LOU		157 RIVERWALK CT
WILLIAMS JOSHUA P & LUANNE F		158 AVALON DR
KUIPER JENNIFER M		158 CAPRI DR
ANDRADA WALTER		159 AVALON DR
JENNISON DAVID M & NANCY A		159 CAPRI DR
ROBICHAUD ROBERT P		16 CAPISTRANO DR
HAIGHT JANATHAN MARTIN		PO BOX 2429
KLEM ALAN I & ELEANOR S		16 JULIE DR
NAJBERG ALINA		16 SEAFARERS DR
VOELKER DAVID LAWRENCE &	DEWI YATI VOELKER	16 TARPON AVE
LAMBERT ANNA M		PO BOX 1072
DEYA JOHN H		162 RIVERWALK CT
RIEHL CRAIG W & BETH RUBY		163 RIVERWALK CT
WETHERELL GLENN D & DONNA		202 RIVER BLUFF DR



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ORMOND BEACH	FL	32176-2212	140 MARLIN DR	ORMOND BEACH	FL	32176-2212
NEW SMYRNA BEACH	FL	32168-7109	140 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2266	141 AVALON DR	ORMOND BEACH	FL	32176-2266
PORT CHESTER	NY	10573-2730	141 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	141 MARLIN DR	ORMOND BEACH	FL	32176-2211
EDGEWATER	FL	32132-2724	142 BEAU RIVAGE DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2232	142 CAPRI DR	ORMOND BEACH	FL	32176-2232
ORMOND BEACH	FL	32174-7234	142 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
SCOTRUN	PA	18355-7744	143 CAPRI DR	ORMOND BEACH	FL	32176-2233
ORMOND BEACH	FL	32176-5709	144 AVALON DR	ORMOND BEACH	FL	32176-2263
ORMOND BEACH	FL	32176-2385	144 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32176-2225	144 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
HUMMELSTOWN	PA	17036-6810	145 AVALON DR	ORMOND BEACH	FL	32176-2266
ORMOND BEACH	FL	32176-2385	145 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32176-5709	146 AVALON DR	ORMOND BEACH	FL	32176-2263
ORMOND BEACH	FL	32176-5790	146 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
SOUTHWEST RANCHES	FL	33331-2329	147 AVALON DR	ORMOND BEACH	FL	32176-2266
JUPITER	FL	33458-8748	147 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2264	148 AVALON DR	ORMOND BEACH	FL	32176-2264
FLAGLER BEACH	FL	32136-4117	148 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2187	148 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32174-9042	149 AVALON DR	ORMOND BEACH	FL	32176-2267
ORMOND BEACH	FL	32176-2105	15 CAPISTRANO DR	ORMOND BEACH	FL	32176-2105
OCALA	FL	34471-2679	15 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-8905	15 ELOISE CIR	ORMOND BEACH	FL	32176-8905
ORMOND BEACH	FL	32176-8904	15 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2218	15 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
GLENDALE	CA	91202-2610	15 TARPON AVE	ORMOND BEACH	FL	32176-2143
LAKE WORTH	FL	33467-2215	150 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
SCARBOROUGH	ME	04074-1201	150 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
BOCA RATON	FL	33433-2534	151 AVALON DR	ORMOND BEACH	FL	32176-2267

BURKE MARGARET A TR	SHARROCK OBYRNE FAMILY TRUST	140 MARLIN DR
DUDLEY JOSEPH P SUCC TR	EMMA TETA IRREVOC TR	403 DOWNING ST
CLOSE STEPHEN D & SUSAN L		141 AVALON DR
USURIN DANIELA		238 MADISON AVE
SEMRAD BRIAN D		141 MARLIN DR
NORD MICHAEL B & MICHELLE L		1100 S RIVERSIDE DR
WELCH CELESTE N		142 CAPRI DR
TETA ISIDORO NIKI		1720 PALMER DR
STENGEL RICHARD & NANCY		138 CRESCENT LAKE RD
GRIESINGER PAMELA		85 ORCHARD LN
YUCHNOVITZ-BISBAL CAROLYN ANN		144 RIVERWALK CT
ARNOLD GARY W & TOMMYE C		144 VIA MADRID DR
RAUSCHER RICHARD L H &	LAURA M H&W	1115 STONE CREEK DR
NELSON J BRUCE & JOYCE T L / E		145 RIVERWALK CT
GRIESINGER PAMELA		85 ORCHARD LN
BURHANS IONA M TR		1 JOHN ANDERSON DR APT 614
AIELLO JAMES L &	LORI ANN MEACHAM AIELLO	17341 SW 58TH ST
PARANZINO JOSEPH & KAREN A		1362 DAKOTA DR
PAVELKA MARSHA L		148 AVALON DR
WALOTSKY LENNON J & MITCH		3634 S CENTRAL AVE
DEL NINNO N MICHAEL & MARILYN		10 SAND DOLLAR DR
CASTAGNACCI DAVID J &	TERRENCE L SADLER	671 WELLINGTON STATION BLVD
ROGGENBUCK WERNER & HELGA E		15 CAPISTRANO DR
DIAMOND RICHARD & CHRISTINE		2409 SE 7TH ST
BELMONTE NANCY		15 ELOISE CIR
GATELL VICTOR M JR & DONNA L		15 JULIE DR
BONNELL LOUIS A &	JANET S VANARNAM	15 SEAFARERS DR
GARIS JOHN ETAL		912 GRAYNOLD AVE
VELLA JOSEPH A & DONNA H		3732 ROYAL CYPRESS LN
CAREDDU THOMAS R & TINA M		451 SOPHIA AVE # O-7
RECCO WANTUIL CARLOS & LINH P		21137 ESCONDIDO WAY

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ORMOND BEACH	FL	32176-2263	134A AVALON DR	ORMOND BEACH	FL	32176
OCALA	FL	34471-3169	135 AVALON DR	ORMOND BEACH	FL	32176-2266
ORMOND BEACH	FL	32176-2201	135 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
TEQUESTA	FL	33469-1939	135 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	135 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2263	136 AVALON DR	ORMOND BEACH	FL	32176-2263
ORMOND BEACH	FL	32176-2202	136 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ALCOA	TN	37701-1620	136 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-3225	136 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32174-2415	136 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2266	137 AVALON DR	ORMOND BEACH	FL	32176-2266
ORMOND BEACH	FL	32176-2201	137 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
TEQUESTA	FL	33469-1939	137 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	137 MARLIN DR	ORMOND BEACH	FL	32176-2211
EWING	NJ	08638-1317	138 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ALLENTOWN	PA	18104-9004	138 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2212	138 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32176-2385	138 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32176-2225	138 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2266	139 AVALON DR	ORMOND BEACH	FL	32176-2266
ORMOND BEACH	FL	32176-2201	139 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
MEDIA	PA	19063-0933	139 CAPRI DR	ORMOND BEACH	FL	32176-2233
ORMOND BEACH	FL	32176-2206	139 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2385	139 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
ORMOND BEACH	FL	32176-2106	14 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
SEVILLE	FL	32190-0337	14 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2193	14 ELOISE CIR	ORMOND BEACH	FL	32176-2193
ORMOND BEACH	FL	32176-2194	14 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-2838	14 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2263	140 AVALON DR	ORMOND BEACH	FL	32176-2263
ORMOND BEACH	FL	32176-2202	140 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202

MCREE DANIEL R  
ROTH MICHAEL S & TINA M  
NEUMANN RICHARD & HELEN  
UTTER ANTHONY  
LABASIK ELIZABETH J  
PARKHURST RAYMOND P & DEBBIE  
DALTON FRANCIS M & MAUREEN E  
PETERSON TIMOTHY &  
SIDERIUS JOHN A & CHRISTINE  
KHAZRAEE SHAHBAL & MINA E  
DEARY-FLEEK JUDI  
BUSA ANTONIO L / E  
UTTER ANTHONY  
BUCKY JO LLC  
MULE VINCENT S TR &  
PETKU BRUCE A & DIANE L  
BOWMAN JAMES O JR  
SANTA RITA DANIEL D & KAREN A  
BARSON STUART L & SIBYLLE I  
HENRICHSEN NEIL & ELIZABETH  
HERTWECK WOLFGANG  
MILLER HELENE C &  
HAIRFIELD KITTY E TR  
TREVENA ANTHONY  
WINSLOW ROYCE S & DAWN  
MORGENSTERN HENRY LEE  
KAZAZIAN ROBERT E & MANOUSH J  
GIROUARD ARTHUR E  
GRAYSON GARY L & NORMA LYNN  
NORTEN WILLIAM C &  
MAHANEY RYAN M &

LINDSEY B WILLIAMS JTRS

134 1/2 AVALON DR  
4335 SE 8TH ST  
135 BEAU RIVAGE DR  
275 COUNTRY CLUB DR  
135 MARLIN DR  
136 AVALON DR  
136 BEAU RIVAGE DR  
1622 LOUISVILLE RD  
25 SEABREEZE DR  
4 LAUREL RIDGE BREAK  
137 AVALON DR  
137 BEAU RIVAGE DR  
275 COUNTRY CLUB DR  
137 MARLIN DR  
35 LOPATCONG DR  
258 KRISTIN LN  
138 MARLIN DR  
138 RIVERWALK CT  
138 VIA MADRID DR  
139 AVALON DR  
139 BEAU RIVAGE DR  
PO BOX 933  
3090 JOHN ANDERSON DR  
139 RIVERWALK CT  
14 CAPISTRANO DR  
PO BOX 337  
14 ELOISE CIR  
14 JULIE DR  
2267 JOHN ANDERSON DR  
140 AVALON DR  
140 BEAU RIVAGE DR

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ORMOND BEACH	FL	32176-8904	13 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2218	13 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
ORLANDO	FL	32833-4232	130 AVALON DR	ORMOND BEACH	FL	32176-2261
ORMOND BEACH	FL	32176-3132	130 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
CORRYTON	TN	37721-4004	130 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2212	130 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32176-2118	130 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	130 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
ORMOND BEACH	FL	32176-3718	130 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2201	131 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
ORLANDO	FL	32819-4924	131 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	131 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	131 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	131 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
ORMOND BEACH	FL	32176-2263	132 AVALON DR	ORMOND BEACH	FL	32176-2263
ORMOND BEACH	FL	32176-2202	132 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-2212	132 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32175-4236	132 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	132 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
ORMOND BEACH	FL	32176-2385	132 RIVERWALK CT	ORMOND BEACH	FL	32176-2385
NORTH CALDWELL	NJ	07006-4209	133 AVALON DR	ORMOND BEACH	FL	32176-2266
ORMOND BEACH	FL	32176-2201	133 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
ORLANDO	FL	32819-4924	133 CAPRI DR	ORMOND BEACH	FL	32176
OAKLAND	NJ	07436-2908	133 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	133 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2263	134 AVALON DR	ORMOND BEACH	FL	32176-2263
ORMOND BEACH	FL	32176-2202	134 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
HOLLYWOOD	FL	33019-3950	134 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2212	134 MARLIN DR	ORMOND BEACH	FL	32176-2212
PALM COAST	FL	32137-8838	134 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
AKRON	OH	44312-1351	134 VIA MADRID DR	ORMOND BEACH	FL	32176-2225



KASPAR RONALD F & CLYDELL G		13 JULIE DR
OPLT ROBERT M & CHERYL M		13 SEAFARERS DR
HOVESKELAND PAULETTE TR	HOVESKELAND ASSOC TRUST	20787 ORTEGA ST
WEEKS LEONA B		2110 OCEAN SHORE BLVD
SCANNELL RAY & PATTY		8414 BUD HAWKINS RD
BALSANO LOUIS J II		130 MARLIN DR
JOHNSON G F & PAULINE E DWYER		130 OCEAN AIRE TER N
JOHNSON HELEN A		130 OCEAN AIRE TER S
HARRIS DARYL		10 TROPICAL DR
CINTRON GREGORY & MARINA Y		131 BEAU RIVAGE DR
PATTEN MARK & LISA		6240 DONEGAL DR
LIEBERMAN MILES &		131 MARLIN DR
VENDITTELL DOMINICK		131 OCEAN AIRE TER N
GUERRIERO CHRISTOPHER S &	ELAINE MOYSES	131 OCEAN AIRE TER S
REALE EUGENE S		132 AVALON DR
BAIRD JUTTA		132 BEAU RIVAGE DR
CARDIELLOS VICTOR M &	AURINDA P CARDIELLOS	132 MARLIN DR
GRIMM ROBERT G		PO BOX 4236
WEHRLI ROBERT W & GERALDINE M		132 OCEAN AIRE TER S
GLOVER STEPHEN S TR &	GLOVER FAMILY TRUST	132 RIVERWALK CT
MENSCH WILLIAM R &	MARTHA S SEINER	9 ETON DR
CONNELL SANDRA &	CHARLES CRICHFIELD JTRS	133 BEAU RIVAGE DR
PATTEN MARK & LISA		6240 DONEGAL DR
KYLE DENNIS P &		39 OSWEGO AVE
YABLONSKY HELGA		133 OCEAN AIRE TER N
HILBURN RONALD E & CHARLON W		134 AVALON DR
BRUMER STUART E		134 BEAU RIVAGE DR
TALIC AZZAT F		2711 OCEAN CLUB BLVD APT 104
ANDERSON KAREN		134 MARLIN DR
PETRO CATHERINE		34 BARBERA LN
MCREE PATRICK D		2468 MOGADORE RD

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ORMOND BEACH	FL	32176-2118	124 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	124 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
ORMOND BEACH	FL	32176-2225	124 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2260	125 AVALON DR	ORMOND BEACH	FL	32176-2260
KENOSHA	WI	53142-7348	125 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
ORMOND BEACH	FL	32176-4119	125 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32175-2707	125 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	125 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	125 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
ORMOND BEACH	FL	32176-2261	126 AVALON DR	ORMOND BEACH	FL	32176-2261
ORMOND BEACH	FL	32176-2202	126 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-2212	126 MARLIN DR	ORMOND BEACH	FL	32176-2212
JEFFERSON	MA	01522-1576	126 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
LIGHTHOUSE POINT	FL	33064-7568	126 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
POMPAÑO BEACH	FL	33073-3138	127 AVALON DR	ORMOND BEACH	FL	32176-2260
TALLAHASSEE	FL	32309-2889	127 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
APOPKA	FL	32703-4673	127 CAPRI DR	ORMOND BEACH	FL	32176
WINTER PARK	FL	32789-6141	127 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	127 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	127 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
CUTLER BAY	FL	33189-3305	128 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
CORRYTON	TN	37721-4004	128 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2212	128 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32176-2118	128 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
WALLKILL	NY	12589-8910	128 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
ORMOND BEACH	FL	32176-2260	129 AVALON DR	ORMOND BEACH	FL	32176-2260
ORMOND BEACH	FL	32176-2201	129 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
BOYNTON BEACH	FL	33473-4855	129 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	129 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176	129 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
DUBLIN	OH	43017-1563	13 ELOISE CIR	ORMOND BEACH	FL	32176-8905

DIAMOND JEFFREY & JANIS  
LERCH HORST A  
LYNCH DEBRA  
UTTER MICHAEL R & CHRISTINE J  
GOFFMAN TRACEY L & MICHAEL L  
RUGG LINDA LEE  
AUDETTE CATHY ANN  
CORR WILLIAM & MARY LOU  
CASTALDO MICHAEL J  
NICHOLS KIMBERLY A  
MCCARTHY GERALD E & JACQUELINE  
LEVINE RICHARD L & LAURIE A  
LEONARD WALTER R  
THOMPSON ROBIN S & MARGARET  
BLANCETT GEORGE S & MARILYN  
JERSEY RUBY L  
KIMMINS WILLIAM D  
LESSER MARTIN R &  
OTAKIE BARBARA  
COLLINS CARMELO & ROBYN G  
STERN KENNETH & JEANETTE  
SCANNELL RAY F & PATRICIA A  
FERGUSON JODY DENISE  
NOLL WARREN R  
MILLER STEVEN E  
BRUCCOLIERE THERESA  
MURPHY ELAINE C  
CAMPBELL BLAKE & DARLAYNA  
ROEPER ALICE  
RIGGIO CARMELA C  
GRAHAM SHIRLEY & JEFFREY D

DEBBIE HAZLEWOOD LESSER

124 OCEAN AIRE TER N  
124 OCEAN AIRE TER S  
124 VIA MADRID DR  
125 AVALON DR  
13105 WILMOT RD  
946 JOHN ANDERSON DR  
PO BOX 2707  
125 OCEAN AIRE TER N  
125 OCEAN AIRE TER S  
126 AVALON DR  
126 BEAU RIVAGE DR  
126 MARLIN DR  
1124 WACHUSETT ST  
2301 NE 36TH ST APT 103  
7330 NW 43RD AVE  
3034 WHITE IBIS WAY  
1539 VOTAW RD  
321 TURKEY RUN  
127 OCEAN AIRE TER N  
127 OCEAN AIRE TER S  
8550 SW 208TH ST  
8414 BUD HAWKINS RD  
128 MARLIN DR  
128 OCEAN AIRE TER N  
212 FOREST RD  
129 AVALON DR  
129 BEAU RIVAGE DR  
8919 MAPLE HILL CT  
129 MARLIN DR  
129 OCEAN AIRE TER  
5830 SETTLERS PL



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ORMOND BEACH	FL	32176-2106	12 CAPISTRANO DR	ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32176-2108	12 DOLPHIN AVE	ORMOND BEACH	FL	32176-2108
ORMOND BEACH	FL	32176-2193	12 ELOISE CIR	ORMOND BEACH	FL	32176-2193
NORTH KINGSTOWN	RI	02852-0611	12 JULIE DR	ORMOND BEACH	FL	32176-2194
ORMOND BEACH	FL	32176-2235	12 SEAFARERS DR	ORMOND BEACH	FL	32176-2235
STONE MOUNTAIN	GA	30083-4447	12 TARPON AVE	ORMOND BEACH	FL	32176-2144
ORMOND BEACH	FL	32176-2261	120 AVALON DR	ORMOND BEACH	FL	32176-2261
ORMOND BEACH	FL	32176-2202	120 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-2232	120 CAPRI DR	ORMOND BEACH	FL	32176-2232
ORMOND BEACH	FL	32176-2118	120 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176	120 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
KENDALL PARK	NJ	08824-1848	120 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2260	121 AVALON DR	ORMOND BEACH	FL	32176-2260
ORMOND BEACH	FL	32176-2201	121 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
LONGWOOD	FL	32750-7503	121 CAPRI DR	ORMOND BEACH	FL	32176
PALM COAST	FL	32164-5639	121 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
LIVERPOOL	NY	13088-3653	121 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
NEW YORK	NY	10019-5342	122 AVALON DR	ORMOND BEACH	FL	32176-2261
WILLISTON PARK	NY	11596-1312	122 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
CLEARWATER	FL	33757-2918	122 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32176-2118	122 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	122 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
KENDALL PARK	NJ	08824-1848	122 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2201	123 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
LONGWOOD	FL	32750-7503	123 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	123 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	123 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	123 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
ALTAMONTE SPRINGS	FL	32714-5614	124 AVALON DR	ORMOND BEACH	FL	32176-2261
OOLTEWAH	TN	37363-8358	124 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-2212	124 MARLIN DR	ORMOND BEACH	FL	32176-2212

ZIMMERMAN MICHAEL & ARLENE		12 CAPISTRANO DR
CAMPBELL WILLIAM A TR	CAMPBELL FAMILY TRUST	12 DOLPHIN AVE
HUNTER AVIATION SUPPRT SER INC		12 ELOISE CIR
MAYNARD DAVID W & JOYCE A		PO BOX 977
DREW JACQUELINE		12 SEAFARERS DR
BABCOCK ANGELA W ETAL	% CHARLEEN R WELLS	587 TAHOE CIR
ADASCHIK ALAN		120 AVALON DR
DAVIS HEATHER PRICE		120 BEAU RIVAGE DR
COWGER IVAN M & JANIE B		120 CAPRI DR
FORD MICHAEL J		120 OCEAN AIRE TER N
CAMPANARO JAMES V		120 OCEAN AIRE TER
BACCI JOHN W & JUDITH S		28 CONCORD DR
GURISSI EDWARD H		121 AVALON DR
TAGGART JAMES W TR		121 BEAU RIVAGE DR
CAPRI DRIVE PROPERTY LLC		1340 BENNETT DR
KILLMAN CRAIG R		11 KASBAH PL
SHORNEY MICHAEL & JEANETTE		4988 WOODMARK DR
ALVAREZ JOHN A		145 W 55TH ST
BRODY JOHN J JR & ALYCE F		255 BROAD ST
SYLVIA EVELYN F L / E	C/O REGIONS BANK NRRE	PO BOX 2918
BARON FRANK C & JO ANNE MARIE		122 OCEAN AIRE TER N
SEBASTYN JEFFREY T		122 OCEAN AIRE TER S
BACCI JOHN W & JUDITH S		28 CONCORD DR
COX HOWARD L & SHIRLEY V TR	OF HOWARD L & SHIRLEY V COX TR	123 BEAU RIVAGE DR
CAPRI DRIVE PROPERTY LLC		1340 BENNETT DR
HUGULEY JACK GLENN & JULIE A		123 MARLIN DR
HEBERT JOSEPH G JR & SALLY		123 OCEAN AIRE TER N
DOYLE LARRY P & SHARON L		123 OCEAN AIRE TER S
TRAN THO T &	KATHLEEN FUREY-TRAN H&W	1172 BRANTLEY ESTATES DR
ROBISON DOREEN		6817 FLAGSTONE DR
COLLEY JAMES T & JUDY L		124 MARLIN DR

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ORMOND BEACH	FL	32176-8958	114 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
NEWBURGH	NY	12550-7802	115 AVALON DR	ORMOND BEACH	FL	32176-2265
ORMOND BEACH	FL	32176-2201	115 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
BELLINGHAM	MA	02019-2924	115 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-4752	115 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	115 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32174-2453	115 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
LAKE WORTH	FL	33467-1220	116 AVALON DR	ORMOND BEACH	FL	32176-2261
BOWLING GREEN	VA	22427-9448	116 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
YULEE	FL	32097-3482	116 CAPRI DR	ORMOND BEACH	FL	32176
LAS VEGAS	NV	89135-2111	116 MARLIN DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2118	116 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	116 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
MELBOURNE	FL	32940-6660	116 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2260	117 AVALON DR	ORMOND BEACH	FL	32176-2260
PEQUANNOCK	NJ	07440-1008	117 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
DELRAY BEACH	FL	33446-9725	117 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	117 MARLIN DR	ORMOND BEACH	FL	32176-2211
CHARLOTTE	NC	28211-4102	117 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	117 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
SEEKONK	MA	02771-1613	118 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
LEESBURG	GA	31763-5277	118 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2212	118 MARLIN DR	ORMOND BEACH	FL	32176-2212
FLAGLER BEACH	FL	32136-1921	118 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	118 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
PALOS HEIGHTS	IL	60463-2804	118 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
SOUTHAMPTON	MA	01073-9589	119 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
LONGWOOD	FL	32750-7503	119 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32175-4236	119 MARLIN DR	ORMOND BEACH	FL	32176
SOUTH DAYTONA	FL	32119-1836	119 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	119 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119

COLEMAN CHARLES W		3730 EGRET DUNES DR
CASTILLO ANTONIO A & GLADYS E		702 BARCLAY MNR
LIVINGSTON ALBERT & MELINDA		115 BEAU RIVAGE DR
ROBITAILLE GLEN		27 SCOTT ST
JACKSON MICHELLE A		225 STANDISH DR
CIOBANU JOSEPH L / E		115 OCEAN AIRE TER N
RODDY GEORGE R & STEPHANIE		34 SADDLERS RUN
COX GREGG C & NANCY J		7728 OAKMONT DR
BOYNTON JUSTIN & ANGELA		154 S MAIN ST
ARMENTI DOMINICK F	& ELIZABETH R ARMENTI	86146 RIVERWOOD DR
GOLDBERG MARK & KATHY		3040 CARBONDALE ST
DAVALL BERNARD M & ANITA B		116 OCEAN AIRE TER N
LAIRD KEN		116 OCEAN AIRE TER S
VIGGIANO LOUIS J & TERESA L		3154 SAVOY DR
STONER BRETT J & AMY G		117 AVALON DR
CARBONE JOHN J		7 ROBERT PL
BULLIS JAMES P & DIANA MARIE		8699 SAWPINE RD
MRACHE STEVE J & MARGARET J		117 MARLIN DR
ELIZEBETH SINGLETARY	STEVENSON REVOC TRUST	411 ALLENDALE PL
BENJAMIN JEAN &	SANDRA BENJAMIN JTRS	117 OCEAN AIRE TER S
ANGHINETTI PAUL W & LAURA J		58 LE ANN DR
DAVIS HEIDI SCHOENBERGER TR		129 AMELIA LN
BOLLING RONNIE & ROSE S B		118 MARLIN DR
WOODIN RICHARD K TR		PO BOX 1921
KROPP ROBERT E		118 OCEAN AIRE TER S
DUGGAN MARY CLAIRE		12462 S NAGLE AVE
LABRIE JAMES &	EUGENE LABRIE	107 VALLEY RD
CAPRI DRIVE PROPERTY LLC		1340 BENNETT DR
GRIMM ROBERT G		PO BOX 4236
GROCH JOHN JR		780 BENNETT RD
BENJAMIN SANDRA		119 OCEAN AIRE TER S

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OVIEDO	FL	32765-5160	109 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
ORMOND BEACH	FL	32176-2107	11 DOLPHIN AVE	ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-8905	11 ELOISE CIR	ORMOND BEACH	FL	32176-8905
PEEKSKILL	NY	10566-2473	11 JULIE DR	ORMOND BEACH	FL	32176-8904
ORMOND BEACH	FL	32176-2218	11 SEAFARERS DR	ORMOND BEACH	FL	32176-2218
ORMOND BEACH	FL	32176-2143	11 TARPON AVE	ORMOND BEACH	FL	32176-2143
FORT LAUDERDALE	FL	33304-4505	110 AVALON DR	ORMOND BEACH	FL	32176-2262
CAVE CREEK	AZ	85331-5703	110 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-3540	110 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2212	110 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32176-2118	110 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	110 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
ORMOND BEACH	FL	32176-2225	110 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2201	111 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
ORMOND BEACH	FL	32176-4151	111 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	111 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	111 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	111 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
ORMOND BEACH	FL	32176-4117	112 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-2212	112 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32176-2118	112 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	112 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
HOSCHTON	GA	30548-3461	112 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2265	113 AVALON DR	ORMOND BEACH	FL	32176-2265
CORRYTON	TN	37721-4004	113 CAPRI DR	ORMOND BEACH	FL	32176
ORLANDO	FL	32820-2252	113 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	113 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2262	114 AVALON DR	ORMOND BEACH	FL	32176-2262
ORMOND BEACH	FL	32173-0371	114 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2212	114 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32173-1985	114 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118



BELFIELD KEVIN D & BEILING Z		2231 WESTBOURNE DR
HERTWECK M W & JACQUELINE		11 DOLPHIN AVE
ANDREWS KENNETH A &	EILEEN A H&W JTRS &	11 ELOISE CIR
DERHAM FRANK & SUSAN		622 KISSAM RD
CLARK GEORGE H & BARBARA R		11 SEAFARERS DR
FOLEY BILLY D & MONIQUE		11 TARPON AVE
HAMMOND TERRY		2635 NE 11TH CT
MILLER ARTHUR & ROSEMARY M		6445 E ASHLER HILLS DR
SCOTT JAMES W TR &	CONNIE A SCOTT TR	9 CAROL RD
WOLBERT CAMERON		110 MARLIN DR
MORAN RICHARD M TR		110 OCEAN AIRE TER N
DEGRAFF DAWN L		110 OCEAN AIRE TER S
GRIFFITHS ANDREW S JR &	ELIZABETH M GRIFFITHS	110 VIA MADRID DR
KORTHASE RAGNAR H TR		111 BEAU RIVAGE DR
MARSHALL WALTER D		11 RIVER DR
GANDHI SNEHAL D		111 MARLIN DR
OCEAN AIRE PRODUCTIONS INC		111 OCEAN AIRE TER N
BARRETT JAMES L		111 OCEAN AIRE TER S
WACKER THOMAS J & PENNY SUE		864 JOHN ANDERSON DR
SULLIVAN MAUREEN		112 MARLIN DR
MEDICH KENNETH J		112 OCEAN AIRE TER N
CANAPERI SALLY C		112 OCEAN AIRE TER S
PRAE GARY		1058 ARBOR LAKE WALK
SCHUMACHER ELAINE KANGAS L / E &	RICHARD DANIEL SCHUMACHER L/E	113 AVALON DR
SCANNELL RAY & PATRICIA		8414 BUD HAWKINS RD
PHIPPS RICHARD E		17102 ARBOR WOODS CT
NERO BARBARA D		113 OCEAN AIRE TER N
BALLARD JERRY & CHERI		114 AVALON DR
JONES LAWRENCE K		PO BOX 730371
BLAND RICHARD J & VIRGINIA		114 MARLIN DR
ROUNDTREE ALPHONSO B &	LESHAWN ROUNDTREE	PO BOX 731985



ORMOND BEACH	FL	32176-2202	104 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
PORT WASHINGTON	NY	11050-1509	104 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
HOMOSASSA	FL	34448-2206	104 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
ORMOND BEACH	FL	32176-2225	104 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
OCALA	FL	34470-1329	105 AVALON DR	ORMOND BEACH	FL	32176-2265
TROY	AL	36081-2107	105 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
ORMOND BEACH	FL	32176-2117	105 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176	105 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
BROOKLYN	CT	06234-1501	106 AVALON DR	ORMOND BEACH	FL	32176-2262
ORMOND BEACH	FL	32176-2202	106 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-2212	106 MARLIN DR	ORMOND BEACH	FL	32176-2212
ORMOND BEACH	FL	32176-2118	106 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	106 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
CANANDAIGUA	NY	14424-1129	106 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
OCALA	FL	34470	107 AVALON DR	ORMOND BEACH	FL	32176-2265
ORMOND BEACH	FL	32176-2201	107 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
ORLANDO	FL	32806-1407	107 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2211	107 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	107 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	107 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2119
BROOKLYN	CT	06234-1501	108 AVALON DR	ORMOND BEACH	FL	32176-2262
LAKE MARY	FL	32746-4420	108 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2202
AUBURNDALE	FL	33823-9570	108 CAPRI DR	ORMOND BEACH	FL	32176
ORMOND BEACH	FL	32176-2118	108 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2120	108 OCEAN AIRE TER S	ORMOND BEACH	FL	32176-2120
CANANDAIGUA	NY	14424-9353	108 VIA MADRID DR	ORMOND BEACH	FL	32176-2225
SOMERVILLE	NJ	08876-1717	109 AVALON DR	ORMOND BEACH	FL	32176-2265
FLAGLER BEACH	FL	32136-4080	109 BEAU RIVAGE DR	ORMOND BEACH	FL	32176-2201
BELMONT	NH	03220-4148	109 CAPRI DR	ORMOND BEACH	FL	32176
WARWICK	RI	02889-8304	109 MARLIN DR	ORMOND BEACH	FL	32176-2211
ORMOND BEACH	FL	32176-2117	109 OCEAN AIRE TER N	ORMOND BEACH	FL	32176-2117

CRUZE VERNON & NELLIE M TR		104 BEAU RIVAGE DR
DIPIETRO CORRADO & DOMENICA		3 FIRWOOD RD
YOUNG MARSHALL L JR & CHERYL L		2370 S BOLTON AVE
HARRIS PATRICIA		104 VIA MADRID DR
FRANCISCO LINDA L		4418 NE 5TH ST
DENISON WILLIAM RAE		304 W COLLEGE ST
WHITE FRANKIE E		105 OCEAN AIRE TER N
MCLEOD MALCOLM & ANGELA		105 OCEAN AIRE TER
LANGLOIS DANIEL M & DALE M		215 BARRETT HILL RD
WESTBROOK RONALD B &	PATRICIA D H&W	106 BEAU RIVAGE DR
MOORE BOYKIN W & CONNIE A	HESTER MOORE	106 MARLIN DR
FAMIGLIETTI VIRGINIA G		106 OCEAN AIRE TER N
YOUNG MARY		106 OCEAN AIRE TER S
SICILLIANO STEPHEN J &	DEBORAH A H&W	164 CHAPEL ST
FRANCISCO LINDA L		4418 ME 5TH ST
SCHMELZ DAVID & CHRISTINE		107 BEAU RIVAGE DR
DOWLING EMBREE H JR		1401 BRIERCLIFF DR
HERDA G HEINRICH & TREUHILD		107 MARLIN DR
SMITH ELIZABETH H & MICHAEL L		107 OCEAN AIRE TER N
DISTEFANO HENRI		107 OCEAN AIRE TER S
LANGLOIS DANIEL M & DALE M		215 BARRETT HILL RD
WESLEY RICHARD E & MURIEL J		1831 REDWOOD GROVE TER
STEWART BARBARA L TR &	STEWART FAMILY LAND TRUST 1	540 SOMERSET DR
MATTHEWS PATRICIA A TR		108 OCEAN AIRE TER N
SPENCE DONALD		108 OCEAN AIRE TER S
JOHNSON JAMES C		4027 FURMAN RD
ZURZOLA ESTELLA	% ESTELLA SPITALERI	7 IMPERIAL DR
SCHMELZ CHARLOTTE	C/O SUSAN BROWN	311 S 27TH ST
STOKES STEVEN K		29 KAYLA DR
BICA VICTOR JR JTRS &		100 OAKLAND BEACH AVE
PETERSON JAMES L		109 OCEAN AIRE TER N



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City	State	ZIP Code	SITTUSADDRESS	SITTUSADDRESS2	SITTUSCITY	SITTUSSTATE	SITTUSZIP
ORMOND BEACH	FL	32176-2250	3110 OCEAN SHORE BLVD APT 1100		ORMOND BEACH	FL	32176-2250
ORMOND BEACH	FL	32174-9335	3390 OCEAN SHORE BLVD APT 2010		ORMOND BEACH	FL	32176-8927
CITRA	FL	32113-0012	3390 OCEAN SHORE BLVD APT 2020		ORMOND BEACH	FL	32176-8927
PINELLAS PARK	FL	33782-3209	3390 OCEAN SHORE BLVD APT 2030		ORMOND BEACH	FL	32176-8927
LIGHTHOUSE POINT	FL	33064-7239	3390 OCEAN SHORE BLVD APT 2040		ORMOND BEACH	FL	32176-8927
KNOXVILLE	TN	37922-6101	3390 OCEAN SHORE BLVD APT 3030		ORMOND BEACH	FL	32176-8927
APPLING	GA	30802-3612	3390 OCEAN SHORE BLVD APT 4010		ORMOND BEACH	FL	32176-8927
ORMOND BEACH	FL	32176-2107	1 DOLPHIN AVE		ORMOND BEACH	FL	32176-2107
ORMOND BEACH	FL	32176-2143	1 TARPON AVE		ORMOND BEACH	FL	32176-2143
ORMOND BEACH	FL	32176-2106	10 CAPISTRANO DR		ORMOND BEACH	FL	32176-2106
ORMOND BEACH	FL	32174-6041	10 ELOISE CIR		ORMOND BEACH	FL	32176-2193
ORMOND BEACH	FL	32176-2185	10 FAIRWINDS CIR		ORMOND BEACH	FL	32176
MCDONOUGH	GA	30252-5742	10 SMUGGLERS CV		ORMOND BEACH	FL	32176-2220
ORMOND BEACH	FL	32176-2144	10 TARPON AVE		ORMOND BEACH	FL	32176-2144
ST AUGUSTINE	FL	32092-2306	100 BEAU RIVAGE DR		ORMOND BEACH	FL	32176-2202
ORMOND BEACH	FL	32176-2212	100 MARLIN DR		ORMOND BEACH	FL	32176-2212
BOCA RATON	FL	33498-6720	100 OCEAN AIRE TER N		ORMOND BEACH	FL	32176-2118
ORMOND BEACH	FL	32176-2201	101 BEAU RIVAGE DR		ORMOND BEACH	FL	32176-2201
ORMOND BEACH	FL	32176-2117	101 OCEAN AIRE TER N		ORMOND BEACH	FL	32176-2117
ORMOND BEACH	FL	32176-2119	101 OCEAN AIRE TER S		ORMOND BEACH	FL	32176-2119
PLANTATION	FL	33317-3350	102 AVALON DR		ORMOND BEACH	FL	32176-2262
PORT ORANGE	FL	32128-6786	102 BEAU RIVAGE DR		ORMOND BEACH	FL	32176-2202
DEBARY	FL	32713-4248	102 MARLIN DR		ORMOND BEACH	FL	32176-2212
JACKSONVILLE	FL	32259-8906	102 OCEAN AIRE TER S		ORMOND BEACH	FL	32176-2120
JACKSONVILLE	FL	32223-8681	102 VIA MADRID DR		ORMOND BEACH	FL	32176-2225
ORMOND BEACH	FL	32176-2201	103 BEAU RIVAGE DR		ORMOND BEACH	FL	32176-2201
STATESBORO	GA	30458-9100	103 CAPRI DR		ORMOND BEACH	FL	32176-2233
ORMOND BEACH	FL	32176-2117	103 OCEAN AIRE TER N		ORMOND BEACH	FL	32176-2117
LEWISVILLE	TX	75067-4177	103 OCEAN AIRE TER S		ORMOND BEACH	FL	32176-2119
ORMOND BEACH	FL	32176-2262	104 AVALON DR		ORMOND BEACH	FL	32176-2262

Last Name	OWNERNAME2	Address Line 1
HOMEOWNERS ASSOCIATION		3110 OCEAN SHORE BLVD
PIATT DOUGLAS S & ELIZABETH A		4163 SANORA LN
FRENCH JAMES A & CATHERINE		PO BOX 12
GREENE JAMES E & ANGELA C		9800 60TH ST N
SWANSON TIMOTHY D ETAL		2410 NE 45TH ST
SKUDA JEFFREY B & SUSAN E		12212 BLUFF SHORE DR
LUMAS CAROL		2532 LOUISVILLE RD
LINDENGRASS BRUCE		1 DOLPHIN AVE
CHMIELEWSKI BETSY I		1 TARPON AVE
DERIGGI ONOFRIO & MARIA		10 CAPISTRANO DR
SMITH K C & MARTHA J		283 LINDEN ST
FAIRWIND SHORES CONDO ASSOC IN		3360 OCEAN SHORE BLVD
HUFF LAUREL		2369 SNAPPING SHOALS RD
FUOSS SANDRA K		10 TARPON AVE
PARSONS HORACE R JR & IRENE M		7945 COLEE COVE RD
WILLIAMS SHEILA D		100 MARLIN DR
LEVINE MANUEL D & ANNETTE D		10739 SANTA ROSA DR
BAMBERGER DAVID W & LAURA A		101 BEAU RIVAGE DR
PACIELLO ALFRED & KAY L S		101 OCEAN AIRE TER N
RICKARD ROY F		101 OCEAN AIRE TER S
ZOVLUCK LYNN TR	LYNN ZOVLUCK REVOC LIV TRUST	720 W TROPICAL WAY
RICCIARDO MICHAEL J TR &		2588 SPRUCE CREEK BLVD
HOLOWKA EUGENE JR		34 SACKETT RD
BUSTAMANTE LUIS E & MINA		1828 AUTUMNBROOK LN
HARRIS DARYL	C/O HOMEGUARD TITLE & TRUST	12646 SAN JOSE BLVD
STAPLETON RICHARD S		103 BEAU RIVAGE DR
BOBO PATSY ROCKER		3983 COUNTRY CLUB RD
HARRIS HOME IMPROVEMENTS LLC		103 OCEAN AIRE TER N
FEDERAL NATL MORTGAGE ASSOC	% NATIONSTAR MORTGAGE LLC	350 HIGHLAND DR
SANDERS WALTER J & PATRICIA D		104 AVALON DR

Attachment #2

Proposed Lines, Treatment Facilities and Territory

(by Hartman)



Attachment #3

\$1,000 Additional Filing Fee

~~(Check Attached)~~

N/A

Attachment #4

.. Newspaper Notice

THE NEWS-JOURNAL

Published Daily and Sunday  
Daytona Beach, Volusia County, Florida

State of Florida,  
County of Volusia

Before the undersigned authority personally appeared

Cynthia Anderson

who, on oath says that she is .....

LEGAL COORDINATOR

of The News-Journal, a daily and Sunday newspaper,  
published at Daytona Beach in Volusia County, Florida; the  
attached copy of advertisement, being a  
.....

PUBLIC NOTICE

L 2065760

in the Court,  
was published in said newspaper in the issues.....

APRIL 1, 2014

Affiant further says that The News-Journal is a newspaper  
published at Daytona Beach, in said Volusia County, Florida,  
and that the said newspaper has heretofore been continuously  
published in said Volusia County, Florida, each day and  
Sunday and has been entered as second-class mail matter at  
the post office in Daytona Beach, in said Volusia County,  
Florida, for a period of one year next preceding the first  
publication of the attached copy of advertisement; and affiant  
further says that he has neither paid nor promised any person,  
firm or corporation any discount, rebate, commission or  
refund for the purpose of securing this advertisement for  
publication in the said newspaper

.....*Cynthia Anderson*.....

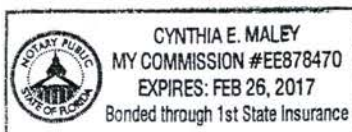
Sworn to and subscribed before me

This 1ST of APRIL

A.D. 2014

.....*Cynthia E. Maley*.....

49D



NOTICE IS HEREBY GIVEN on this 26th day of March, 2014, pursuant to Section 367.045, Florida Statutes, of the application of North Peninsula Utilities Corp. to amend its Wastewater Utility Certificate No. 249-S to add territory in Volusia County, Florida as follows:

Bounded on the east by the Atlantic Ocean; bounded on the west by the Halifax River; and lying within Section 8, 9, 16, 17, 21, in Township 13 South, Range 32 East.

A more detailed description of the area proposed to be served may be found on the Public Service Commission's website in Docket No. 130209 or you may contact the utility.

CONNECTION TO NORTH PENINSULA UTILITIES CORP. IS NOT REQUIRED.

Any objection to said application must be made in writing and filed with the Office of the Commission Clerk, Florida Public Service Commission, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850 within thirty (30) days from the date of this Notice. At the same time, a copy of said objection should be mailed to the applicant whose address is set forth below. The objection must state the grounds for the objection with particularity.

North Peninsula Utilities Corp.  
115 East Granada Boulevard  
Suite 12  
Ormond Beach, FL 32176  
386-677-7607

L2065760, Apr. 1, 2014, 11

Attachment #5, #6, #10 and #11

Original Cost Accumulated Depreciation, and CIAC



UTILITY NAME: North Peninsula Utility Corporation

YEAR OF REPORT  
December 31, 2013

**COMPARATIVE BALANCE SHEET  
ASSETS AND OTHER DEBITS**

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
<b>UTILITY PLANT</b>				
101-106	Utility Plant	F-7	\$ <u>892,604</u>	\$ <u>898,717</u>
108-110	Less: Accumulated Depreciation and Amortization	F-8	\$ <u>818,178</u>	\$ <u>820,269</u>
	Net Plant		\$ <u>74,426</u>	\$ <u>78,448</u>
114-115	Utility Plant Acquisition adjustment (Net)	F-7	<u>-0-</u>	<u>-0-</u>
116 *	Other Utility Plant Adjustments			
	Total Net Utility Plant		\$ <u>74,426</u>	\$ <u>78,448</u>
<b>OTHER PROPERTY AND INVESTMENTS</b>				
121	Nonutility Property	F-9	\$ <u>-0-</u>	\$ <u>-0-</u>
122	Less: Accumulated Depreciation and Amortization			
	Net Nonutility Property		\$	\$
123	Investment in Associated Companies	F-10	<u>-0-</u>	<u>-0-</u>
124	Utility Investments	F-10		
125	Other Investments	F-10		
126-127	Special Funds	F-10		
	Total Other Property & Investments		\$ <u>-0-</u>	\$ <u>-0-</u>
<b>CURRENT AND ACCRUED ASSETS</b>				
131	Cash		\$ <u>16,776</u>	\$ <u>200</u>
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	<u>27,080</u>	<u>27,080</u>
145	Accounts Receivable from Associated Companies	F-12		
146	Notes Receivable from Associated Companies	F-12	<u>47,823</u>	<u>47,823</u>
151-153	Material and Supplies		<u>250</u>	
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		\$ <u>91,929</u>	\$ <u>75,103</u>

\* Not Applicable for Class B Utilities

Attachment #7

Active Number of Customers

582 Customers

Attachment #8

Capacity:

WWTP – 200,000 gpd

Effluent Disposal – 181,000 gpd

Attachment #9

Standard Developer Agreement

(Attached)

There are no outstanding unfulfilled developer agreement



# North Peninsula Utility Company

## Wastewater System

### Standard Customer Agreement

THIS AGREEMENT made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2013, by and between \_\_\_\_\_, hereinafter referred to as "Customer", and the North Peninsula Utility Company, a Florida corporation, hereinafter referred to as the "Utility".

#### RECITALS

1. The Customer owns or controls lands located in Volusia County, Florida, and described in Exhibit "A", attached hereto and made a part hereof as if fully set out in this paragraph and hereinafter referred to as "Property", and Customer has developed the Property by erecting thereon, residential or commercial improvements.
2. The Customer is desirous of prompting the construction and/or maintenance of central wastewater facilities so occupants of each residence or commercial improvement constructed will receive adequate wastewater service from the Utility.
3. The Utility is willing to provide, in accordance with the provisions and stipulations of their FPSC Tariff, and in accordance with all applicable laws, central wastewater facilities, and to have extended such facilities so the occupants of each residence or commercial improvement constructed on the Property will receive an adequate wastewater service from the Utility.

ACCORDINGLY, for and in consideration of the Recitals, the mutual undertakings and agreements herein contained and assumed, and other good and valuable consideration the receipt and sufficiency of which are acknowledged by the parties, the Customer and the Utility hereby covenant and agree as follows:

1. RECITALS. The above Recitals are true and correct, and form a material part of this Agreement.

#### 2. DEFINITIONS.

2.1 The following definitions and references are given for the purpose of interpreting the terms as used in this Agreement and apply unless the context indicates a different meaning:

1. AEPI/AEPL Charge – as provided by the Florida Public Service Commission (FPSC) is the Allowance for Funds Prudently Invested and represents a charge authorized by

the FPSC.

2. "Contribution-in-aid-of-Construction" – The sum of money, and/or property, represented by the value of the wastewater assets donated or constructed by Customer, which customer covenants and agrees to pay to the Utility, as a contribution-in-aid-of-Construction, to induce the Utility to continuously provide wastewater service to the Property.
3. "Point of Connection" - The point where the pipes of the utility are connected with the pipes of the customer. Unless otherwise indicated, the point of connection shall be at a point on the customer's lot line.
4. "Service" – The readiness and ability on the part of the Utility to furnish wastewater service to each customer.
5. "Tariff" – The Utility's approved customer service document by the FPSC which includes customer rates, charges, rules and regulations.

2.2 For the purpose of interpreting the terms as used in this Agreement, the definitions of terms provided in the Tariff are incorporated herein. In the event that a definition of a term set forth in the Tariff conflicts with the definition of the term set forth in Section 2 of this Agreement, the definition of the term set forth in Section 2 herein applies to the use of their term in this Agreement. In the event that the term is not defined in Section 2 of this Agreement and the definition of the term as set forth in the Tariff conflict, then the definition as set forth in the Tariff applies to the use of the term herein.

3. EASEMENT AND RIGHT OF ACCESS Customer hereby grants and gives the Utility the exclusive right or privilege to construct, own, maintain, and operate the wastewater facilities in, under, and across the present property. Customer hereby further agrees that the foregoing grant includes the necessary right of ingress and egress to a part of the Property; that the foregoing grant shall be for such period of time as the Utility requires such rights, privileges or easements in the ownership, maintenance, operation or expansion of the wastewater facilities.

The specific initial easement and right of access is shown in Exhibit "B".

#### 4. PROVISION OF SERVICE; CAPACITY AND FEES AND CHARGES.

4.1 Upon the continued accomplishment of all the prerequisites contained in this Agreement to be performed by the Utility and/or Customer, the Utility covenants and agrees that it will connect the wastewater facilities paid for by Customer to the central wastewater facilities of the Utility in accordance with the intent of this Agreement. The customer shall pay the estimated cost herein within 30 days of the FPSC approval of the expanded service area. Utility shall provide customer notice of this approval.



4.2 To induce the Utility to provide wastewater facilities to Customer for use by the Property, Customer agrees to pay the Utility wastewater capacity charge of \$0.00 at a rate of \$0.00 per gallon for \_\_\_\_\_ gallons per day (gpd).

4.3 Customer shall pay a monthly Annual average daily flow (AADF) representing \_\_\_\_\_ Equivalent Residential Connection (ERC) charge in the amount of \$31.62 per ERC/Month. This charge is subject to change from time to time as approved by the FPSC.

4.4 Customer shall pay for the decommissioning of its package wastewater treatment plant and disposal system or septic tank and drainfield in accordance with FDEP regulations. This cost shall be true-up to the actual cost at completion.

4.5 Customer shall pay for the conversion of its wastewater lift station or provide a new lift station capable of pumping the customer's wastewater into the Utility's force main under sufficient pressure to convey the wastewater to the Utility wastewater treatment plant. This cost shall be true-up to the actual cost at completion.

4.6 Customer shall pay its pro rata share on a customer's ERC's divided by force main ERC's capacity applied to the capital cost of the project. That cost is estimated to be \$500 per unit. If the customer enters into this agreement after the commencement of the force main project, then an additional AFPI charge for the interest carry shall be applied as of the date of payment. This cost shall be true-up to the actual cost at completion.

## 5. DESIGN, REVIEW, CONSTRUCTION, INSPECTION, AND CONVEYANCE OF FACILITIES

5.1 To induce the Utility to provide wastewater facilities, and to continuously provide customers located on the Property with wastewater services, Customer hereby covenants and agrees to pay for the construction and to transfer ownership and control to the Utility as a contribution-in-aid-of-Construction, the wastewater systems referred to herein.

5.2 Customer shall pay the Utility to review engineering plans and specification of the type and in the form as prescribed by the Utility. Alternatively, Customer shall pay the Utility to prepare plans, specifications and permits on behalf of the Customer for connection to the Utility.

5.3 During the construction of the wastewater systems, the Utility shall have the right to inspect such installation to determine compliance with the plans and specifications, adequacy of the quality of the installation. Complete as-built plans shall be submitted to the Utility upon completion of construction.

5.4 Fees will be levied by the Utility to cover the cost of plan review and inspection, and

the cost of Customer improvements.

5.5 By these presents, Customer hereby transfers to the utility, title to all wastewater systems installed, pursuant to the provisions of this Agreement. Such conveyance is to take effect without further action upon the acceptance by the Utility of the said installation. Customer shall convey to the Utility, by bill of sale, or other appropriate documents, in form satisfactory to the Utility's counsel, the complete wastewater system as constructed and approved by the Utility. Customer shall further cause to be conveyed to the Utility, all easements and/or rights-of-way covering areas in which wastewater facilities are installed in form satisfactory to the Utility's counsel.

6. EVIDENCE TITLE. Within a period of thirty (30) days after the execution of this Agreement, at the expense of the Customer, Customer agrees to either deliver to the Utility the conveyance documents delineated in Section 5.

7. OWNERSHIP OF FACILITIES. Customer agrees with the Utility that all wastewater facilities conveyed to the Utility for use in connection with providing wastewater services to the Property, shall at all times remain in the complete exclusive ownership of the Utility, and any entity owning any part of the Property or any residence or building constructed or located thereon, shall not have the right, title, claim or interest in and to such facilities, or any part of them, for any purpose, including the furnishing of wastewater services to other persons or entities located within or beyond the limits of the Property.

8. APPLICATION OF UTILITY RULES, REGULATIONS, AND RATES. Rates and other charges to Customer shall be set forth from time to time in the Tariff approved by the FPSC.

9. PERMISSION TO CONNECT REQUIRED. Customer shall not have the right to connect to the wastewater facilities of the Utility until approval for such connection has been granted by the Utility.

10. CONSTRUCTION OF ASSOCIATED FACILITIES.

10.1 If a kitchen, cafeteria, restaurant or other food preparation or dining facility, as may be identified by the Utility, is constructed within the Property, Customer agrees to install and to maintain, at its own expense, a grease trap with a minimum of 1,000 gallons for each such facility so that all wastewater from any grease producing equipment or operations within such facility shall first enter the grease trap for pretreatment before the wastewater is delivered to the lines of the Utility.

10.2 If a service station, mechanical repair shop, car wash, or other similar facility, is constructed within the Property, Customer agrees to install and to maintain, at its own expense, an oil and sand separator for each facility so that all wastewater from oil or sand producing operations within such facility shall first enter the oil and sand separator for pretreatment before the wastewater is delivered to the lines of the Utility.



11. BINDING AGREEMENT ASSIGNMENTS BY CUSTOMER. This Agreement shall be binding upon and shall inure to the benefit of Customer, the Utility and their respective assigns and successors by merger, consolidation or conveyance. This Agreement shall not be sold, conveyed, assigned or otherwise disposed of by Customer without the written consent of the Utility first having been obtained. The Utility agrees not to unreasonably withhold such consent.

12. NOTICES. Until further written notice by either party to the other, all notices provided for herein shall be in writing and transmitted - by messenger, or by mail to:

13. SURVIVAL OF COVENANTS. The rights, privileges, obligations and covenants of Customer and the Utility shall survive the completion of the work with respect to completing the wastewater facilities and services.

14. ENTIRE AGREEMENT; AMENDMENTS; APPLICABLE LAW; ATTORNEY'S FEES. This Agreement supersedes all previous agreements or representations, either verbal or written, heretofore in effect between Customer and the Utility, made with respect to the matters between Customer and the Utility.

15. DISCLAIMERS; LIMITATIONS ON LIABILITY

15.1 The parties deem each other to be independent contractors, and not agents of the other.

15.2 Indemnity. The Customer shall indemnify the Utility, its respective agents and employees, from and against any and all claims, liability, demands, damages, expenses, fees, fines, penalties, suits, and proceedings.

15.3 Force Majeure. The Utility shall not be liable or responsible to the Customer by reason of the failure or inability of the Utility to take any action it is required to take or to comply with the requirements imposed hereby is caused directly or indirectly by force majeure. The term "force majeure" as employed herein shall mean acts of God, strikes, lockouts, or other industrial disturbance; acts of public enemies, war, blockades, riots, acts of armed forces, militia, or public authority, epidemics; breakdown of or damage to machinery, pumps, or pipe lines; landslides, earthquakes, fires, storms, floods, or washouts; arrests, title disputes; or other litigation; governmental restraints of any nature whether federal, state, county, municipal or otherwise, civil or military; civil disturbances; explosions, failure or inability to obtain necessary materials, supplies, labor or permits or governmental approvals whether resulting from or pursuant to existing or future rules, regulations, orders, laws or proclamations whether federal, state, county, municipal or otherwise, civil or military; or by any other causes.

15.4. Disclaimer of Third Party Beneficiaries. This agreement is solely for the benefit of and shall be binding upon the formal parties hereto and their respective authorized successors and assigns, and no right or cause of action shall accrue upon or by reason hereof, to or for

the benefit of any third party not a party to this agreement or an authorized successor or assignee thereof.

15.5. **Disclaimer of Security** - Notwithstanding any other provision of this Agreement, the Customer expressly acknowledges ( 1) that it has no pledge of or lien upon any real property (including, specifically, the Utility's system), any personal property, or any existing or future revenue source of the Utility (including, specifically, any revenues or rates, fees, or charges collected by the Utility in connection with the Utility's system) as security for any amounts of money payable by the City under this agreement; and ( 2) that its rights to any payments or credits under this agreement are subordinate to the rights of all holders of any stocks, bonds, or notes of the Utility, whether currently outstanding or hereafter issued.

15.6. **Agreement Not a Commitment for Schedule:** There shall be no liability whatsoever on the part of the Utility for failure to provide wastewater service to Customer according to Developer's needs or schedules. This agreement constitutes a promise of good faith and not a timetable for delivery of utility services.

16. COVENANT NOT TO ENGAGE IN UTILITY BUSINESS The Customer, as a further consideration for this Agreement, agrees that it shall not engage in the business of providing wastewater service.

17. FPSC APPROVAL The parties hereto agree that an executed copy of this Agreement and Exhibits attached hereto shall be submitted to the FPSC for approval.

18. SEVERABILITY If any part of this Agreement is found invalid or unenforceable by any court, such invalidity or unenforceability shall not affect the other parts of this Agreement. To that end, this Agreement is declared severable.

19. AUTHORITY TO EXECUTE AGREEMENT The signature by each party shall have the full power and authority to bind any corporation, partnership, or any other business entity for which he purports to act hereunder.

20. SPECIAL CONDITIONS The following Special Conditions are mutually agreed between Customer and the Utility:

1. Utility shall operate, maintain, renew and/or replace wastewater lift-pump station items as warranted in the future.
2. Customer shall pay electrical costs of the on-site wastewater lift-pump station.
3. Customer shall contact Utility if any malfunction is observed.
4. Utility shall correct any malfunction of the wastewater lift-pump station with due haste and shall make available a mobile generator set or temporary trash pump bypass as conditions warrant.
5. If Utility exercises the exclusive option for customer facilities then items #1 and #4 do not apply.



IN WITNESS WHEREOF, Customer and the Utility have executed or have caused this Agreement, with the named Exhibits attached, if any, to be duly executed in several counterparts, each of which counterpart shall be considered an original executed copy of this Agreement.

Signed, Sealed and delivered in the presence of:

Utility:  
North Peninsula Utilities

Corporation

(X) \_\_\_\_\_

By: \_\_\_\_\_

Name \_\_\_\_\_

(X) \_\_\_\_\_

Attest: \_\_\_\_\_

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ by \_\_\_\_\_,

\_\_\_\_\_ of the North Peninsula Utilities Corporation. He is personally known to me or has

\_\_\_\_\_ as identification and did (did produced \_\_\_\_\_ not) take an oath.

\_\_\_\_\_  
Signature of Person Taking  
Acknowledgement

\_\_\_\_\_  
Name of Acknowledger Typed. Printed  
or Stamped

\_\_\_\_\_  
Title or Rank

\_\_\_\_\_  
Serial Number if any

X \_\_\_\_\_

(X) \_\_\_\_\_

By: \_\_\_\_\_

(X) \_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

\_\_\_\_\_  
Property Name

\_\_\_\_\_  
Property Address

\_\_\_\_\_  
City, State, Zip



## Attachment #12

### Permits

All necessary permits for the existing assets – are obtained and in force.

The service connect permits will be obtained as the need arises.

Attachment #13, #14 and #15

Construction Cost

Engineer's Statement and Projected Growth.

(by Hartman – see mini-engineering report here)

Attachment #16

Service availability Charge.

Calculation

(Hartman/ Hollis)

Attachment #17

Capital Structure



UTILITY NAME: North Peninsula Utility Corporation

YEAR OF REPORT  
December 31, 2013

COMPARATIVE BALANCE SHEET  
EQUITY CAPITAL AND LIABILITIES

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
<b>EQUITY CAPITAL</b>				
201	Common Stock Issued	F-15	\$ 100	\$ 100
204	Preferred Stock Issued	F-15		
202,205 *	Capital Stock Subscribed			
203,206 *	Capital Stock Liability for Conversion			
207 *	Premium on Capital Stock			
209 *	Reduction in Par or Stated Value of Capital Stock			
210 *	Gain on Resale or Cancellation of Reacquired Capital Stock			
211	Other Paid - In Capital		400	400
212	Discount On Capital Stock			
213	Capital Stock Expense			
214-215	Retained Earnings	F-16	(588,504)	(599,615)
216	Reacquired Capital Stock			
218	Proprietary Capital (Proprietorship and Partnership Only)		(588,004)	(599,115)
Total Equity Capital			\$ (588,004)	\$ (599,115)
<b>LONG TERM DEBT</b>				
221	Bonds	F-15		
222 *	Reacquired Bonds			
223	Advances from Associated Companies	F-17		
224	Other Long Term Debt	F-17	<del>402,877</del>	
Total Long Term Debt			\$ 702,877	\$ 927,947
<b>CURRENT AND ACCRUED LIABILITIES</b>				
231	Accounts Payable	F-18	7,246	7,246
232	Notes Payable	F-18	43,000	43,000
233	Accounts Payable to Associated Companies	F-18	(4,873)	(153,447)
234	Notes Payable to Associated Companies	F-18		
235	Customer Deposits			
236	Accrued Taxes	W/S-3	19,119	19,362
237	Accrued Interest	F-19		
238	Accrued Dividends			
239	Matured Long Term Debt			
240	Matured Interest			
241	Miscellaneous Current & Accrued Liabilities	F-20		
Total Current & Accrued Liabilities			\$ 64,492	\$ (83,839)

\* Not Applicable for Class B Utilities

UTILITY NAME: North Peninsula Utility Corporation

YEAR OF REPORT  
December 31, 2013

**COMPARATIVE BALANCE SHEET  
EQUITY CAPITAL AND LIABILITIES**

ACCT. NO. (a)	ACCOUNT NAME (b)	REF. PAGE (c)	PREVIOUS YEAR (d)	CURRENT YEAR (e)
<b>DEFERRED CREDITS</b>				
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			\$ <u>- 0 -</u>	\$ <u>- 0 -</u>
<b>OPERATING RESERVES</b>				
261	Property Insurance Reserve		\$	\$
262	Injuries & Damages Reserve			
263	Pensions and Benefits Reserve			
265	Miscellaneous Operating Reserves			
Total Operating Reserves			\$ <u>- 0 -</u>	\$ <u>- 0 -</u>
<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>				
271	Contributions in Aid of Construction	F-22	\$ 640,994	\$ 640,994
272	Accumulated Amortization of Contributions in Aid of Construction	F-22	(640,994)	(640,994)
Total Net C.I.A.C.			\$ <u>- 0 -</u>	\$ <u>- 0 -</u>
<b>ACCUMULATED DEFERRED INCOME TAXES</b>				
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			\$ <u>-</u>	\$ <u>-</u>
<b>TOTAL EQUITY CAPITAL AND LIABILITIES</b>			\$ <u>179,365</u>	\$ <u>244,993</u>

# Hartman Consultants, LLC

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## Wastewater Facilities Plan North Peninsula Utilities Corporation July, 2014

Prepared for:

North Peninsula Utilities Corp.  
115 E. Granada Blvd. Suite 12  
Ormond Beach, FL 32176

Prepared by:

Hartman Consultants, LLC  
2107 Water Key Drive  
Windermere, FL 32801

HC# 14007.00



HC 14007.00

July 14, 2014

Mr. Bob Hillman  
NPUC  
115 E. Granada Blvd. Suite 12  
Ormond Beach, FL 32176

RE: Engineer's Response and Report to the FPSC as the NPUC "Wastewater Facilities Plan"

Dear, Mr. Hillman:

Attached find the report which addresses Mr. Reiger's (FPSC) engineering questions.

As you know, I have included the provisions to Ormond Beach of an eight (8) inch diameter force main along A1A in case the County does not construct their 8-inch force main on A1A for future expansion or to be able to provide the county wholesale service at the certified area boundary in the future the county requested. The above also applies to the 6-inch force main on John Anderson to the service area boundary to the south.

The second request by the country was to provide the future flexibility for wholesale service at the VCUD Pelican Dunes package plant such that the County could shut it down and just operate wastewater collection system if the County felt that was in their interest (The city owns and operates the water system in the area).

The third County request was to extend the 6" force main along John Anderson to allow the Riverside Homes (62) to manifold into it and a northern 4" force main extension to accomplish the same.

The forth County request was to provide service to those areas where the county committed service to, assessed the properties, put in dry lines and required "interim" septic



tanks, and then has never provided service. Those two areas are Capri Drive (55 Units) and Via Madrid (30 units).

Finally as the fifth request the county asked NPUC to perform and comply with the Florida Department of Health notice and documentation (see Volusia County report dated 10/2013) to provide raw wastewater transmission, treatment and reclaimed water for recharge for the existing septic tanks in the NPUC settlement proposed service area. The county would be responsible to comply with NPUC's standard development agreement and dedicate the gravity sewer system, services and local pumping station to NPUC.

The above has been done in agreement with the settlements with the city of Ormond Beach and with Volusia County and is reflected herein. So doing, the cost of connection has increased and, subject to Tara Hollis CPA's analysis for FPSC CIAC (as preformed before), I recommended a CIAC Transmission charge of \$1,250.00. The newly engineering cost of \$1,250 CIAC charge per ERC is an increase from the \$795 previously requested and has two (2) major reasons for the increase

- (a.) a smaller customer base than previously envisioned, and
- (b.) higher unit costs for compliance with the city of Ormond Beach, Volusia County, Florida Health Department and FDEP.

The NPUC existing wastewater treatment plant system has the capacity for all of the projected new units shown projected herein through 2025. Thereafter, if the county preforms by then, an expansion is projected to be needed.

The existing NPUC gravity system, 6 "force main system, and appurtenances are sufficient for the build-out of the subdivisions presently served.

The proposed NPUC 4" , 6" and 8" force main additions are planned to be adequate for all of the existing potential customers and those proposed projects within the NPUC service are as well as future wholesale service to VCUD and Pelican Dunes.

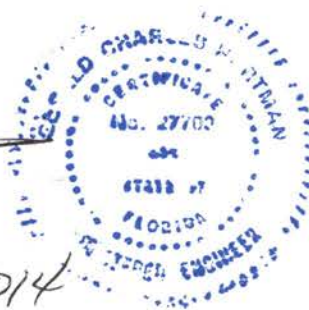
Based upon my review of the planning by the VCUD, there is no currently planned wholesale service requested for VCUD and county areas to the south. If and when such an event matures, the specifics will be required to be ascertained at that time. I know of at least eight (8) package plants to the south which desire NPUC retail service. Based upon the information provided by County sources to me, in FY 2013, the full cost of services by County forces for this area was less than revenue derived from those customers.

Nonetheless, by the end of 2021 the raw wastewater transmission system is programmed to be in-place to provide wholesale service at the service area boundary with the 6" system on John Anderson and the 8" system on A1A to accommodate those potential flows if pump station improvements are made to accommodate the greater hydraulic load and higher load that would be required. Potently NPUC operates a low pressure system.

I believe the above and the attached report with appendices address your request.

Very Truly Yours,  
Hartman Consultants, LLC

  
2/17/2014  
#27703



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Attachments

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**Section 1**  
**Engineer's Statement**



## Section 1 – Engineer’s Statement

The proposed construction will be accommodated within the:

- (a.) Existing 8” gravity system within the Seabridge Subdivision for build out of 238 units;
- (b.) Existing 6” force main system along John Anderson Drive for a year 2025 service to 549 units; and the
- (c.) New 8” force main system along A1A for a year 2025 service to 454 units.

The existing 585 units have an annual average daily flow of 48,000 gpd to the Seabridge 210,000 gpd WWTP and 181,000 gpd reclaimed water recharge system. The projected additional 656 units are expected to generate an additional 114,800 gpd by 2026 if all projected units tie-into the central sewer system and abandon the existing package plants and septic tanks that exist. The combined existing and projected flow is 162,800 gpd as a maximum annual average. This amount will be approaching the 90% of the existing capacity requires mandatory connection and develops and implements an assessment program to tie-into central wastewater facilities and abandon the existing septic tanks within the NPUC proposed service area, then wastewater treatment capacity expansion measures will be needed.

For the next ten (10) years, and for the additional projected 656 units, the existing 8” gravity transmission, the existing 6” force main have sufficient capacity for service in compliance with FDEP rules and regulations. Recently the NPUC wastewater permit was renewed by FDEP.

See the remainder of this report and appendices for additional information.

The capacity of the system provided is 1,241 of which 619 are vested and sewed and 622 are new ERC’s with a system having that capacity.

## Section 2

### Overview of Facilities

## Section 2 – Overview of Facilities

North Peninsula Utilities Corporation, Inc. (NPUC) is the only FPSC certified and regulated utility on the North Peninsula. Table 2-1 summarizes the existing NPUC facilities. The existing system has an annual average daily flow of 48,000 gpd. There are 585 existing Erc's at this time. There are 572 customers as shown on Table 2-2. The capacity of the existing 8" gravity collection system is 564,000 gpd a Qpeak and is the minimum size meeting Volusia County Standards. The 6" force main along John Anderson Drive and into the WWTP has a capacity of 720,000 gpd at Q peak as shown on Table 2-3.

There are no unfiltered outstanding developer agreements as stated in Table 2-4.

The existing and proposed facilities are shown on Figure 2-1 and on the maps in the Appendix. The existing infrastructure is shown of Figure 2-2.

Table 2-1

North Peninsula Utilities Corporation  
Existing Facilities

<u>Description</u>	<u>Capacity</u>
Wastewater Treatment Plant	210,000 gpd
Percolation Ponds 2 – each	181,000 gpd
Pump Station #1 WWTP	450 gpm
Pump Station #2 Peninsula Winds	25 gpm
Pump Station #3 Seabridge South	220 gpm
Pump Station #4 Sandpiper Ridge	45 gpm
Pump Station #5 Barrier Isle	50 gpm
4" Gravity Services (ea.)	567
8" Gravity Services	16,800 lf.
Manholes (ea.)	88
6" Force Main	5,950 lf.



Table 2-2

North Peninsula Utilities Corporation  
Number of Active Customers  
July, 2014

<u>Customer Class</u>	<u>Number</u>	<u>Meter Size</u>
Commercial	1	3"
Residential	571	5/8" x 3/4"

Table 2-3  
NPUC  
Capacity Existing Collection System

<u>System Size</u>	<u>System Capacity</u>
8" Gravity	564,000 gpd @ Qp
6" Force Main	720,000 gpd @ Qp

Note the existing collection system has 619 ERC's of capacity at the low head conditions without improvements or increased head conditions.

Table 2-4  
NPUC  
Unfulfilled Outstanding Developer Agreements

All existing Developer Agreements have been fulfilled with a build-out number of 619 ERC's. The company investment and CIAC is shown in the Annual Report as provided herein.

Following the FPSC approval of the expanded service area, the standard Developer Agreement as shown in the company response will be used and reported to the FPSC.







Kingston Shores - 30,000 gpd WWTP

## Legend

- ★ Package WWTPs
- NPUC Certificated Area
- VCUD Service Area
- NPUC Expanded Certificated Area



Existing Facilities - NPUC Figure 2-2

## Section 3

### Facilities Performance

### Section 3 - Existing Facilities Performance

The existing facilities performance is presented in Appendices A, B, C, and D. Note that NPUC is in compliance with all applicable local, state, and federal regulations. The FDEP renewed the WWTP operating permit from September 4, 2013 through September 3, 2018 with its permit #FLA0111898-003.

## Section 4

### Design Criteria and Analysis



## Section 4 – Design Criteria and Analysis

The revised (as agreed with City of Ormond Beach and Volusia County) service area is shown on the following pages including Figure 2A and 2B.

The developments and units in the proposed NPUC service area are shown on Table 4-1.

The projected existing development and absorption or connection over time into the NPUC system is shown on Table 4-2.

The design criteria is shown on Table 4-3.

The NPUC units projected to be served over time and associated wastewater flow is shown on Table 4-4.

The NPUC utilization of existing, near term and proposed capacity is described on Table 4-5.

The NPUC 2025 service to the projected 1,241 ERC's / Units can be broken down to the following:

- 238 units served through the existing gravity system directly to the WWTP
- 454 units served through new 4", 6" and 8" force mains along A1A
- 549 units served by the existing 6' force main along John Anderson Drive with a new 4' force main extension to the North and a 6" new force main extension to the South.

## TABLE 2 Revised

### ADDITIONAL SERVICE AREA

Lands in Sections 8, 9, 16, 17 & 21 in Township 13 South Range 32 East Volusia County Florida described as follows:

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard (a/k/a SR A1A); Thence South 23° East along said centerline about 2106 feet to the South line of the Southerly 260 feet of the Northerly 660 feet (as measured along Ocean Shore Boulevard (a/k/a SR A1A)) of Government Lots 3 and 4 of said Section 21; thence North 88° East along said South line, about 70 feet to the west shoreline of the Atlantic Ocean and the POINT OF BEGINNING, said point also being the Southeast corner of Lot 22A Beau Rivage Shores per Map Book 25 page 57 of the public records of Volusia County Florida; thence South 88° West, along South line of said Beau Rivage Shores, about 1763 feet to the Southeast corner of land described in Official Records Book 5435 page 1566 of said public records; thence continue South 88° West, along the South line of said described land, about 90 feet to the South line of land described in Official records Book 5409 page 4159 of said public records; thence South 74° West, along said South line and its westerly projection 187 feet more or less to the West line of John Anderson Drive; thence South 16° East, along said West line, about 130 feet to the South line of Official Records Book 5179 page 1451 of said public records; thence South 71° West, along said South line, about 153 feet to the East shoreline of the Halifax River; thence meander Northwesterly, into said Section 16 and along said East shore, about 2,700 feet, to the North line of land described in Official Records Book 3498 page 1502; thence North 69° East, along said North line and it's easterly projection, about 138 feet to the West line of Seabridge South Subdivision per Map Book 37 page 160 of the aforementioned public records; thence South 21° East, along said West line, about 485 feet to the North line of said Section 21; thence North 88° East, along said North line, about 1749 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR A1A); thence North 22° West, about 1122 feet to the North line of said Seabridge South Subdivision; thence South 88° West, along said North line about 1746 feet to the East right of way line of John Anderson Drive; thence South 21° East, along said East line about 229 feet to the Easterly projection of the North line South of lands described in Official Records Book 4326 page 4950; thence South 69° West, along said projection and North line, about 136 feet to the East shoreline of the Halifax River; thence meander Northwesterly, along said East shoreline, about 1887 feet to the South line of land described in Official Records



Book 6850 page 3538 of the aforesaid public records; thence North 85° East along said South line and its East prolongation about 174 feet to the East right of way of John Anderson Drive; thence South 20° East, along said East line about 217 feet to the South line of Peninsula Winds per Map Book 44 page 89 of said public records; thence North 88° East, along said South line, about 1410 feet to the West line of Las Olas Townhouse Condominium per Official Records Book 4190 page 2633; thence along said described Condominium land the following 3 courses; South 21° East, about 204 feet; North 87° East, about 147 feet; and North 22° West about 200 feet to the South line of the aforementioned Peninsula Winds Subdivision; thence continue North 22° West, along said East line of Peninsula Winds Subdivision, along the East line of Seabridge 1<sup>st</sup> Addition subdivision per Map Book 36 page 83 and along the East line of Seabridge subdivision per Map Book 34 page 174, about 2306 feet to the North line of said Seabridge subdivision; thence South 89° West, along said North line, about 1493 feet to the East right of way line of aforesaid John Anderson Drive; thence South 21° East, along said East line, about 546 feet; thence South 23° East, continuing along said East line, about 1007 feet to the East prolongation of the North line of lands described in Official Records Book 4722 page 1096 of the aforesaid public records; thence South 78° West along said prolongation and North line, about 246 feet to the East shoreline of the Halifax River; thence meander Northwesterly, along said East shoreline, through said Section 17 and into said Section 8, about 2756 feet to the South line of Lot 7 of John Anderson 4000 Subdivision per Map Book 46 page 89 of the aforesaid public records; thence North 74° East along said South lot line and its Easterly prolongation, about 178 feet to the East right of way line of John Anderson Drive at the West line of Coquina Key Unit 2 subdivision per Map Book 48 page 46 of the aforesaid public records; thence South 19° East along said East right of way line, West line of said Coquina Key and West line of Pelican Dunes Subdivision per Map Book 44 page 186 of said public records, about 677 feet to the South line of said Pelican Dunes subdivision; thence along said Pelican Dunes Subdivision the following 2 courses; North 88° East crossing into said Section 16 about 1268 feet; North 22° West crossing into said Section 9, about 558 feet, to South line of Coquina Key Unit 1 per Map Book 47 page 83; thence North 88° East along said South line about 138 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR A1A); thence North 22° West, along said West line about 1054 feet to the North line of said Coquina Key Unit 1, thence South 89° West along said North line and its westerly projection, about 1504 feet into the aforesaid Section 8 and to the East shoreline of the Halifax River; thence meander Northwesterly along said shoreline about 357 feet to North line of the North 325 feet of Government Lot 5 of said Section 8; thence South 89° East along said North line about 162 feet to the West right of way

line of John Anderson Drive thence South 60° East, crossing said right of way, about 57 feet, to the Northwest corner of the common area of Kingston Shores Phase I, a Condominium per Map Book 33 page 67 of the aforementioned public records; thence North 89° East, along said North line, 275 feet to the West line of land described in Official Records Book 4915 page 2649 of the aforesaid public records of Volusia County; thence along said deeded land the following 5 courses, North 0° East about 39 feet; North 90° East about 141 feet, North 0° East about 120 feet, North 89° East about 342 feet and South 01° East about 159 feet to the Westerly projection of the North line of said Kingston Shores; thence North 88° East along said projection and North line, about 700 feet to the West shoreline of the Atlantic Ocean in said Section 9; thence meander Southeasterly along said West shoreline, through said Section 16 and into said Section 21, about 9493 feet, to the POINT OF BEGINNING.

#### Less Out

Portions of Government Lots 1 & 2 in Section 21 Township 13 South, Range 32 East, lying East of John Anderson Drive; Lots 1 through 17 and Tract A of Barrier Isle Subdivision per Map Book 44 page 17 of the aforesaid public records; the East 45 feet of Lot 66 and all of Lot 67 of Atlantic Shores subdivision per Map Book 23 page 28 of said public records; and Lots 1 through 44 of Sandpiper Forest subdivision per Map Book 44 page 25 and the North 100 feet of the South 250 feet of the West 155 feet of Government Lot 2, Section 21 Township 13 South, Range 32 East that lies East of John Anderson Drive being more particularly described as follows:

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard (a/k/a SR A1A); thence South 23° East along said centerline about 731 feet to the Easterly prolongation of the North line of Barrier Isles Subdivision per Map Book 44 page 17 of the aforesaid public records; thence South 88° West, along said prolongation about 48 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR A1A) and to the POINT OF BEGINNING; thence South 24° East along said West line about 720 feet to the South line of Sandpiper Forest per Map Book 44 page 25 of said public records; thence South 88° West, along said South line about 1867 feet to the East right of line of John Anderson Dr., thence North 14° West, along said East line about 255 feet to the westerly prolongation of the North line of said Sandpiper Forest; thence North 88° East along said prolongation and North line about 1674 feet to the West line of the East 45 feet of Lot 66 of Atlantic Shores per Map Book 23 page 28 of the aforesaid public records; thence North 22° West along said West line and it's northerly prolongation about 148 feet to the North right of way line of Marlin Drive; thence South 89° West



along said North line about 125 feet to the point of curvature at the East right of way line of Barrier Isle Drive per Barrier Isle Subdivision, Map Book 44 page 17 of the aforementioned public records; thence Northwesterly, along said right of way line, along a compound curve a total distance of 233.11 feet to the North right of way line of said Barrier Isle Drive; thence South 88° West, along said North line about 1451 feet to the East right of way line of John Anderson Drive; thence North 17° West, along said East line, about 132 feet to the West prolongation of the North line of the aforementioned Barrier Isle; thence North 88° East along said North line about 1811 feet to the POINT OF BEGINNING.

TABLE 3 Revised

TOTAL SERVICE AREA

Lands in Sections 8, 9, 16, 17 & 21 in Township 13 South Range 32 East Volusia County Florida described as follows:

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard (a/k/a SR A1A) ; Thence South 23° East along said centerline about 2106 feet to the South line of the Southerly 260 feet of the Northerly 660 feet (as measured along Ocean Shore Boulevard (a/k/a SR A1A)) of Government Lots 3 and 4 of said Section 21; thence North 88° East along said South line, about 70 feet to the west shoreline of the Atlantic Ocean and the POINT OF BEGINNING, said point also being the Southeast corner of Lot 22A Beau Rivage Shores per Map Book 25 page 57 of the public records of Volusia County Florida; thence South 88° West, along South line of said Beau Rivage Shores, about 1763 feet to the Southeast corner of land described in Official Records Book 5435 page 1566 of said public records; thence continue South 88° West, along the South line of said described land, about 90 feet to the South line of land described in Official records Book 5409 page 4159 of said public records; thence South 74° West, along said South line and its westerly projection 187 feet more or less to the West line of John Anderson Drive; thence South 16° East, along said West line, about 130 feet to the South line of Official Records Book 5179 page 1451 of said public records; thence South 71° West, along said South line, about 153 feet to the East shoreline of the Halifax River; thence meander Northwesterly, along said East shore about 9585 feet, to its intersection with the North line of the North 325 feet of Government Lot 5 of the aforesaid Section 8; ; thence South 89° East along said North line, about 162 feet, to the West right of way line of John Anderson Drive; thence South 60° East, crossing said right of way, about 57 feet, to the Northwest corner of the common area of Kingston Shores Phase I, a Condominium per Map Book 33 page 67 of the aforementioned public records; thence North 89° East, along said North line, 275 feet to the West line of land described in Official Records Book 4915 page 2649 of the aforesaid public records of Volusia County; thence along said deeded land the following 5 courses, North 0° East about 39 feet; North 0° East about 140 feet, North 0° East about 120 feet, North 89° East about 342 feet and South 01° East about 159 feet to the Westerly projection of the North line of said Kingston Shores; thence North 88° East along said projection and North line, about 700 feet to the West shoreline of the Atlantic Ocean in said Section 9; thence meander

Southeasterly along said West shoreline, through said Section 16 and into said Section 21, about 9493 feet, to the POINT OF BEGINNING.

Excepting therefrom Pelican Dunes Subdivision per Map Book 44 page 186, Coquina Key Subdivision Unit 1 per Map Book 47 page 83-85, Coquina Key Subdivision Unit 2 per Map Book 48 page 47, and portions of John Anderson 4000 Subdivision per Map Book 46 page 89 all of the aforesaid public records being more particularly described as follows.

Commence at the intersection of the North line of said Section 21 with the centerline of Ocean Shore Boulevard (a/k/a SR A1A); Thence North 23° West, along said centerline, about 6017 feet to the South line of said Coquina Key Subdivision Unit 1, thence South 88° West, along said South line about 178 feet to the West line of said Pelican Dunes; thence South 22° East, along said West line, about 548 feet to the South line of said Pelican Dunes, thence South 88° West, along said South line, about 1268 feet to the East right of way line of John Anderson Drive; thence North 19° West along said East line for 677 feet to the Easterly prolongation of the South line of that portion of Lot 7 of said John Anderson 4000 Subdivision that lies West of John Anderson Drive; thence South 74° West along said prolongation and North line, about 178 feet to the East shoreline of the Halifax River; thence meander Northwesterly, along said East shoreline about 967 feet to the North line of said John Anderson 4000; thence North 89° East along said North line and along the North lines of said Coquina Key Subdivision Unit 1 and 2, about 1505 feet to the West right of way line of Ocean Shore Boulevard (a/k/a SR A1A); thence South 22°, along said West line, about 1054 to the POINT OF BEGINNING.



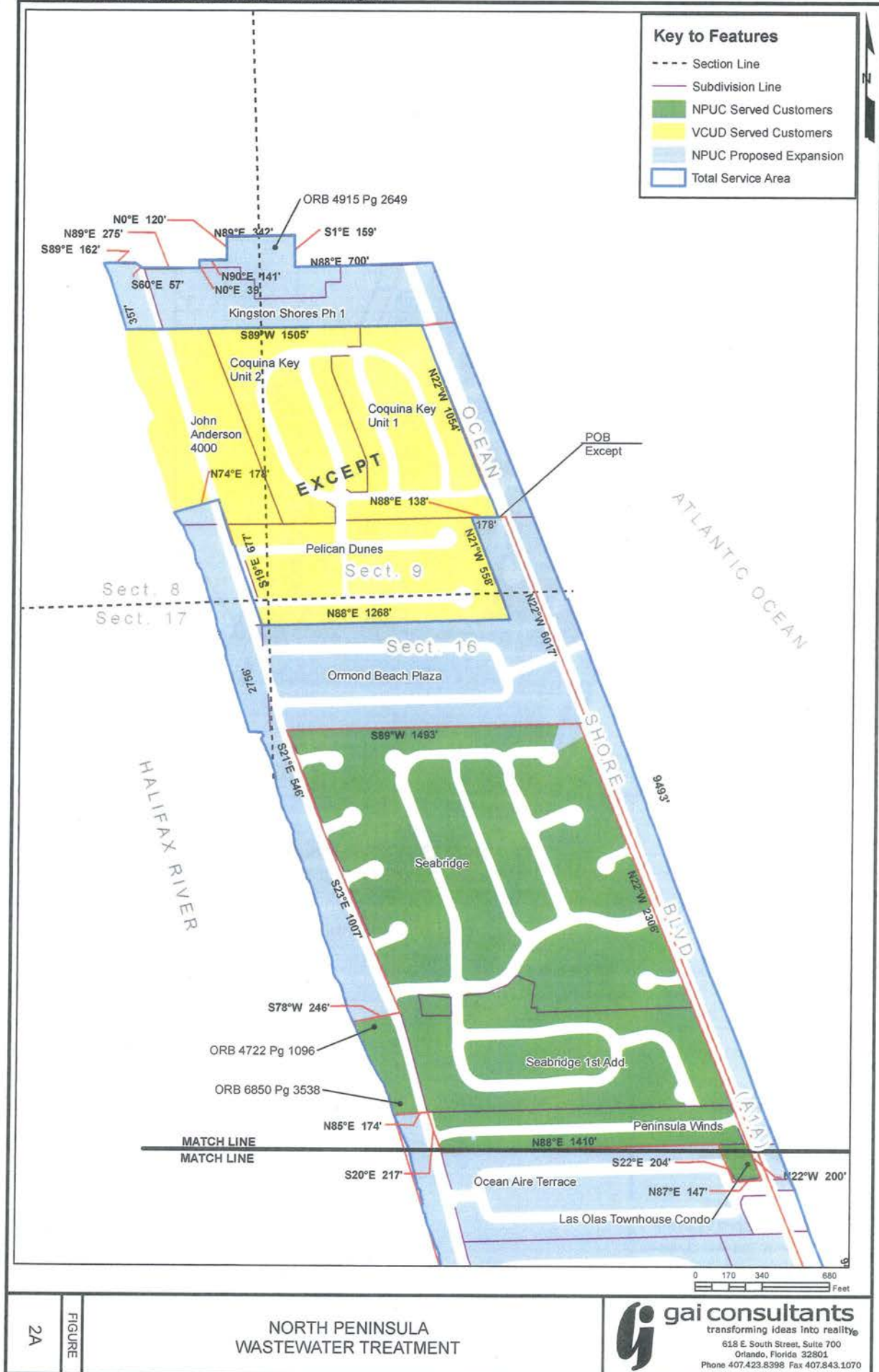






Table 4-1  
Developments and Units  
NPUC Service Area

<u>Development</u>	<u>Units</u>
Seabridge	220
Seabridge South	255
Las Olas Condo	6
Barrier Isle	42
Sandpiper Ridge	44
Peninsula Winds	28
Loggerhead Restaurant	14
Oceanaire Condo	17
John Anderson Riverside	62
Kingston Shores	110
Fairwinds #1, #2 & Residential	117
Capri Drive (Dry Lines)	55
Fairwinds #3 (new Construction)	27
Seafarer Condo's (New Construction)	42
VCUD Pelican Dune & Coquina Key	158
Via Madrid (Dry Lines)	30
Marlin	19
Beau Rivage	46
Seafarer Residential	23
Avalon	58
Capistrano	52
Oceanaire Residential	68
Dolphin/ Tarpon/ Bass	69

Table 4-2

## Existing Development and Absorption

<u>Description</u>	<u>Original Expanded</u>	<u>Existing ERC's</u>	<u>Build out</u>	<u>Notes</u>
Seabridge	0	209	220	2 ERC's / yr.
Seabridge South	0	248	255	1 ERC / yr.
Las Olas Condo	0	6	6	N/A
Barrier Isle	0	41	42	1 ERC / 6 yrs.
Sandpiper Ridge	0	41	44	1 ERC / 2 yrs.
Peninsula Winds	0	26	28	1 ERC / 3 yrs.
Loggerhead Restaurant	<u>0</u>	<u>14</u>	<u>14</u>	<u>N/A</u>
Subtotal	0	585	619	4 ERC's / yr.
Phase 1 2015-2017				
Above Build out	0	12	34	4 ERC's / yr.
Oceanaire Condo	E	17	17	Connection
John Anderson	E	18	62	6 ERC's / yr.
Kingston Shores	E	110	110	Connection
Fairwinds 1, 2 & Res.	E	110	117	1 ERC / yr.
Capri Dry Lines	<u>E</u>	<u>15</u>	<u>55</u>	<u>5 ERC's / yr.</u>
Subtotal Phase 1	E	282	395	-
Phase 2 2018-2020				
Above Build out	E	12	22	4 ERC's / yr.
John Anderson	E	18	44	6 ERC's / yr.
Fairwinds Existing	E	3	7	1 ERC / yr.
Capri Dry Lines	E	15	40	5 ERC's / Yr.
Fairwinds Condo #3	E	27	27	New Construction
Seafares Condo	E	42	42	New Construction
Wholesale to Pelican Dunes	<u>E</u>	<u>138</u>	<u>158</u>	<u>5 ERC's / yr.</u>
Subtotal Phase 2		255	-	-
Phase 3 2021-2525 (No County Mandatory Connection/ Assessments)				
Above Build out	0	10	10	2 ERC's / yr.
John Anderson	E	30	36	future absorption 6 yr.

Fairwinds Existing	E	4	4	1 unit / yr. 4 yrs.
Capri Dry Lines	E	25	25	5 units / yr.
Wholesale	E	20	20	4 units / yr.
Via Madrid to Pelican Dunes	<u>E</u>	<u>30</u>	<u>30</u>	<u>6 units / yr.</u>
Subtotal Phase 3	-	119	-	-

Existing and 2015-2025 Build out

Original	O	619	619	-
Expanded	E	622	628	6 Future Units
S/D Septics	<u>F</u>	<u>0</u>	<u>335</u>	<u>Co. Program Needed</u>
Totals	-	1241	1552	-



Table 4-3

Design Criteria

The facility plan uses the following design criteria for the new customers per ERC or unit:

- a.) 175 gpd/unit average daily flow (ADF)
- b.) 4.5 peak factor  $Q_{\text{peak}} / Q_{\text{ADF}}$
- c.) Hazen-Williams C-factor 130
- d.) Auxiliary power plug or on-site generator, or NPUC provides mobile generator sets
- e.) 3½" cam lock disconnected by-pass
- f.) NPUC trash pumps @ 3 hp
- g.) scour velocity: 2 ft./s minimum
- h.) Maximum design velocity 7 ft./s
- i.) Max velocity: 4' FM – 4.6 ft./s, 6" FM – 5.52 ft./s, and 8" FM – 6.0 ft./s
- j.) 100% horizontal directional drilling (HDD) for piping installation
- k.) HDD pipe: HDPE, min.max working pressure 100 psi
- l.) Conversion HDPE ID (DR 13.5) to PVC or Nom ID:
  - 4" (HDPE) – 3.793" (NOM ID)
  - 6" (HDPE) – 5.585" (NOM ID)
  - 8" (HDPE) – 7.271" (NOM ID)
- m.) The back pressure at NPUC WWTF turn is 18 ft. hydraulic analysis
- n.) Since the area is flat assuming that all pipelines are at the same elevation

Table 4-4

## NPUC Units and Flow Projections

<u>Year</u>	<u>Existing Units</u>	<u>Growth</u>	<u>Growth Flow</u>	<u>AADF Flow (gpd) (1)</u>
2013	-	-	-	46,000
2014	585	-	-	48,000
2015	585	32	5,600	53,600
2016	617	115	20,125	73,725
2017	732	135	23,625	97,350
2018	867	150	26,250	123,600
2019	1017	47	8,225	131,825
2020	1064	58	10,150	141,975
2021	1122	24	4,200	146,175
2022	1146	24	4,200	150,375
2023	1170	24	4,200	154,575
2024	1194	24	4,200	158,775
2025	1218	23	4,025	162,800 (1)
2026	1241	-	-	-

Note 90% of 181,000 = 162,900 gpd Per FDEP rules in 2026 NPUC will have to start construction for expansion to the WWTP if Volusia County requires interior subdivisions on Septic Tanks to connect to NPUC.

An expansion of the WWTP will require the imposition of capacity charges at that time.

Table 4-5

NPUC near term, utilization of existing and proposed capacity.

1. The projected growth and flow rates for the existing WWTP and reclaimed water recharge treatment system illustrates that the projected 1241 ERC's by 2026, the end of the period.

2. The original service area developments are served as follows:

a.) Seabridge and Las Olas Condos by the Seabridge 8" gravity system. Note this system can accommodate a future customer in the terminus manhole Oceanaire Condo (OC) (17 units) after OC provides a pump station and NPUC provides an 8" force main extension to the property.

b.) Loggerhead Restaurant and Sandpiper Ridge are served by the existing Sandpiper pump station.

c.) Barrier Isle pumps the Barrier Isle subdivision.

d.) Seabridge South pumps its contributing subdivision.

e.) Peninsula Winds is the same as above.

f.) The existing 6" Force main is at 300,000 gpd at Q peak or 2.36 feet per second which is above scour velocity with the 381 units which are accommodated. This 6" Force main can easily accommodate the near term additional 9 units from Capri Drive (existing gravity Dry Lines) and John Anderson Drive (low pressure "can" systems manifolded and then crossing the road to tap-in). The 6" force main is the smallest size to accommodate the demand.

g.) The 8" gravity system in Seabridge flows to the WWTP. It is presently accommodates the 220 units for Seabridge, the 6 units @ Las Olas Condos, as well as 12 Units East side of John Anderson abutting Seabridge. The 8-inch system takes 238 units. The capacity of that system at a velocity of 2.5 feet per second with a slope of slightly more than 4 feet per 1,000 feet is 564,000 gpd at Q peak. The existing 8" gravity sewer is the minimum size required by County Standards. The existing gravity transmission system can easily accommodate the Oceanaire near term need of only 17 units.

h.) In accordance with the NPUC Standard Developer Agreement, Oceanaire will build and dedicate their pumping station to NPUC and connect to the proposed 8-inch force main in A1A by NPUC.

3.) Projected growth in the service area will be served as follows:

a.) Force Main extensions will be required as well as new CIAC pump stations for the projected flow.

b.) The existing John Anderson Drive 6" NPUC force main system is projected to serve the following additional units

(i) John Anderson Dr. Riverside – 62 units in to 4" force main and 6" force main.

(ii) Dolphin/ Tarpon/Bass – 69 units will tie into a 4" force main extension to the north.

(iii) Oceanaire Residential – 68 units; Capistrano – 52 units; Via Madrid (Dry Lines) – 30 units; Avalon – 58 units; Capri Drive – 55 units; and Marlin – 19 units for a total of 282 units will ultimately connect to the existing 6" force main along John Anderson Drive.

(iv) A 6" force main extension will be constructed by NPUC to serve the southernmost projects, Beau Rivage – 46 units and Seafarer Residential – 23 units.

The existing force main along John Anderson Drive will be fully utilized with certain future pump replacements to accommodate the flow.

c.) A new 4", 6", and 8" force main will be constructed along A1A to serve the growth in that corridor. That part of the service area will be served as follows:

(i) Kingston Shores 110 Units – 4" force main extension.

(ii) Potential Wholesale to VCUD Pelican Dunes 158 Units plus 110 units or 268 units at that confluence upsize to a 6" force main extension to the 8" force main to flow west into the WWTP.

(iii) Seafarer Condo – 42 units, Fairwinds #1, #2 + Residential – 117 units, Fairwinds #3 – 27 units and future potential wholesale or 186 units plus potential wholesale into 8" force main extensions to south and of proposed service area and tying in at the 8" force main going west into the WWTP. The pump stations will be sized to attain scour velocity.

(iv) The A1A corridor is projected to contribute 454 new units to the WWTP which can be accommodated by the 8" force main.



## Section 5

Phase 1 Plan  
2015-2017

## Section 5 – NPUC Phase 1 Plan 2015-2017

### 5.01 General

The Phase 1 Plan is expected to meet the immediate needs of the expanded area and provide the infrastructure to accommodate future phases.

### 5.02 Phase 1 Facilities

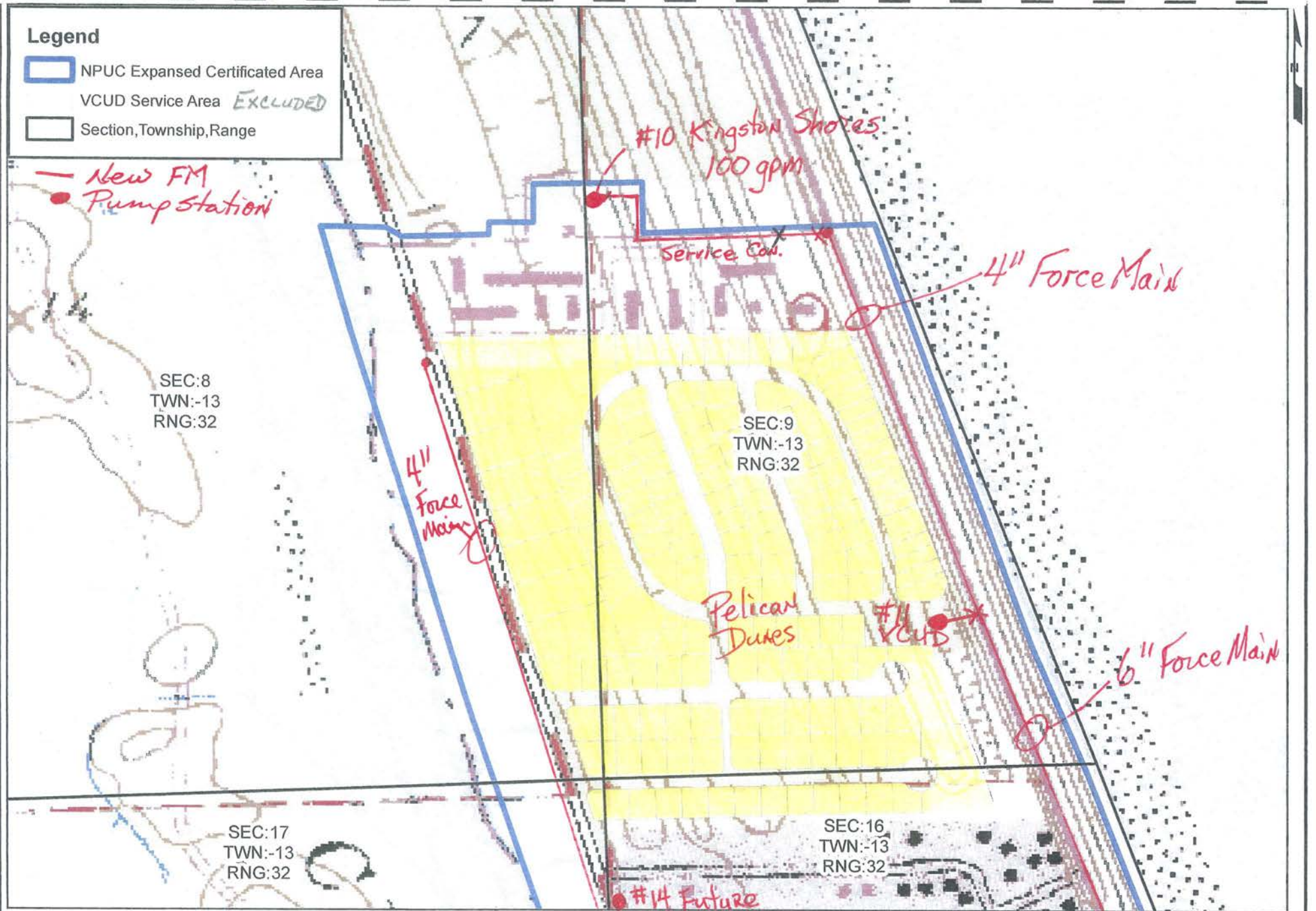
There is an immediate need for service to the John Anderson Riverside units which have septic tanks on the river. The existing 6" force main along John Anderson and a 2,000 LF extension to the north with 4" FM will meet this immediate need. An additional 1,500 LF of 4" FM from the Kingston Shores WWTP to the point in front of the Pelican Dunes WWTP along A1A and a 6" FM extension to the Cul'de-sac east of the NPUC WWTP and an 8" FM to the west to the plant will serve the northern A1A area. An additional short segment of 8" FM along A1A with short 4" FM drop to the Las Olas/Peninsula Winds system will serve the existing Oceanare Condos (17 units).

Figures B-1 through B-4 present the existing and proposed facilities for all three phases delineated.

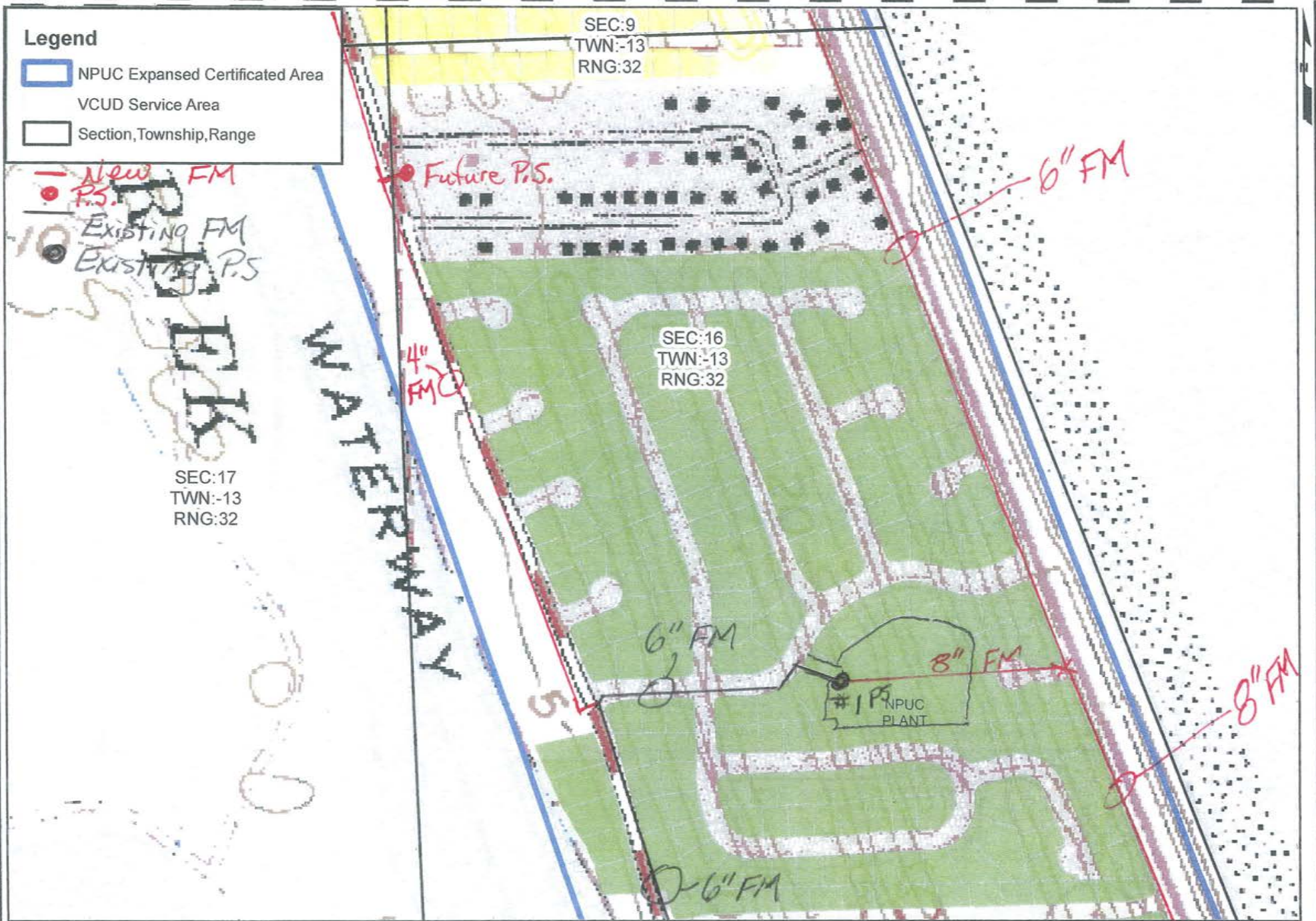
### 5.03 Capital Costs

Table 5-1 presents the capital costs for the Phase 1 facilities.

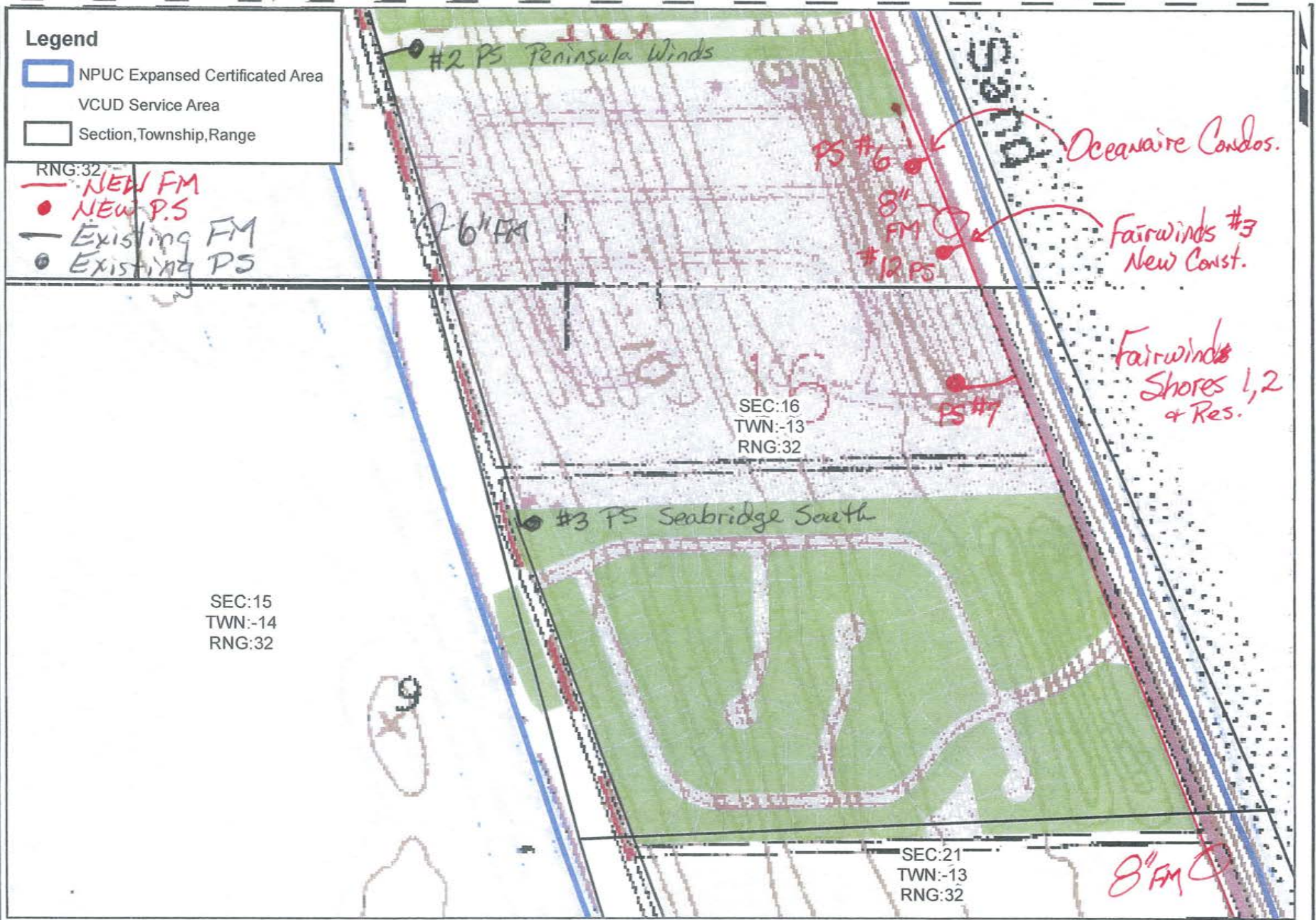
Table 5-2 presents all of the costs both CIAC and investments by NARUC account code.













# Legend

- NPUC Expanded Certificated Area
- VCUD Service Area
- Section, Township, Range

- NEW FM
- NEW P.S.
- Existing FM
- Existing P.S.

SEC:16  
TWN:-13  
RNG:32

SEC:15  
TWN:-14  
RNG:32

SEC:21  
TWN:-13  
RNG:32

6" FM

8" FM

#8 P.S. CARRI DR.

#5 P.S. Barrier Isle

#4 P.S. Sandpiper Ridge

#9 P.S.  
Seafarer  
Sandbar  
(NEW)

6" FM

0 200 400 Feet

Table 5-1

## NPUC Phase 1 Plan Additional Facilities Summary Year 2015

<u>Description</u>	<u>Capacity</u>	<u>Cost</u>
P.S. #10 Kinston Shores	100 gpm	CIAC
P.S. #6 Oceanaire Condo	15 gpm	CIAC
P.S. #7 Fairwinds WWTP	100 gpm	CIAC
P.S. #8 Capri Dr. Dry Lines	50 gpm	CIAC
4" Force Main @ \$20	3,500 LF	70,000
6" Force Main @ \$25	3,050 LF	76,250
8" Force Main @ \$30	1,300 LF	39,000
Tie-ins and Specials \$2,000	4	8,000
4" Plug Valves \$690	5	3,450
6" Plug Valves \$900	3	2,700
8" Plug Valves \$1,100	1	1,100
25 KW Mobile Gen. Sat	1	31,900
3 HP Trash Pumps \$2,500	2	5,000
WWTP costs – various	-	<u>30,000</u>
Subtotal-		267,400
Contingencies @ 10 %-		<u>26,600</u>
		294,000
Engineering, Permitting, Surveying, Construction Mgt.		<u>46,000</u>
Total Construction		340,000
NPUC Investments 7/2014 as shown on Application		93,087
Legal Costs Estimates at		<u>30,000</u>
		123,087
Subtotal Cost		463,087
282 customers @ \$1250		<u>352,500</u>
Investment Not Recovered in Phase 1		\$110,587

Table 5-2

NPUC Year 2015 – Phase 1  
Wastewater Utility Plant Accounts

<u>Account No.</u>	<u>Account Name</u>	<u>12-31-2013 Amount</u>	<u>2015 Additions</u>	<u>Comments</u>
354	Structure & Improvements	163,469	39,552	Plant Structure
360	Collection Sewers Force Mains	321,528	250,148	A1A and Trash Pumps & John Anderson
361	Collection Sewers Gravity	5,410	9,100	Tie-ins
363	Services to Customers	29,136	51,700	CIAB
371	Pumping Equipment	12,916	142,900	Kingston Shores, Oceanaire, Fairwinds, Capri Dr.
355	Power Generation Equipment	0	41,200	25KW Mobile Generation Set
352	Franchises	6,310	30,000	Legal Costs for Certificate
351	Organization	0	93,087	Planning, PER, VCUD Costs, FDEP Costs, Ormond Costs

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Total	\$657,687
NPUC Net Inv.	110,587
SAC Revenues	352,500
CIAC Dedications	194,600



Section 6

Phase 2 Plan

2018-2020

## Section 6 – NPUC Phase 2 Plan 2018-2020

### 6.01 General

The Phase 2 plan is provided to meet the anticipated growth, build out of existing projects and to accommodate the flows from the VCUD service area. Presently, NPUC residential rates are almost 30% less than Volusia County charges. The Pelican Dunes/ Coquina Key residential developments have been discussed with the County, where the rates to the customers would be the same, and the County could make money versus losing money through wholesale service with NPUC at the NPUC retail flat rate per unit.

### 6.02 Phase 2 Facilities

Along John Anderson an additional 1,700 LF of 4" FM and 600 LF of 6" FM would be built. Along A1A an additional 4,100 LF of 8" FM would be built. Due to the remote location and the number of pumping stations proposed a second mobile generator set is programmed. Finally, various WWTP accommodations would be needed at this time.

### 6.03 Capital Cost

Table 6-1 presents the capital costs for the Phase 2 facilities.

Table 6-2 presents all of the costs both CIAC and investment by NPUC by NARUC account code.

Table 6-1

NPUC Phase 2 Plan  
Additional Facilities Summary Year 2018

<u>Description</u>	<u>Capacity</u>	<u>Cost</u>
P.S. #12 Fairwinds #3 Condo	25 gpm	CIAC
P.S. #9 Seafarer	40 gpm	CIAC
P.S. #11 VCUD	150 gpm	CIAC
4" Force Main @ \$20	1,700LF	34,000
6" Force Main @ \$25	600 LF	15,000
8" Force Main @ \$30	800 LF	15,000
8" Force Main @ \$30	3,300 LF	99,000
4" Plug Valves \$690	2	1,380
6" Plug Valves \$900	3	2,700
8" Plug Valves \$1,100	3	3,300
25 KW Mobile Gen. Sat	1	40,000
WWTP capital improvements	-	<u>70,000</u>
Subtotal-		280,380
Contingencies @ 15 %-		<u>42,020</u>
		322,400
Engineering, Permitting, Surveying, Construction Mgt.		<u>52,600</u>
Total Construction		375,000
Phase 2 CIAC @ 1,250 x 255= (318,750)		
Additional Investments		\$56,250

Table 6-2

NPUC Year 2018 – Phase 2  
Wastewater Utility Plant Accounts

<u>Account No.</u>	<u>Account Name</u>	<u>2018 Additions</u>	<u>Comments</u>
355	Power Generation Equipment	52,526	35 KW Mobile Gen. Set
360	Collection Sewers Force Main	278,913	A1A, John Anderson Force Mains
361	Collection Sewers Gravity	82,091	Tie-ins & Extensions CIAC
363	Services to Customers	55,934	Customer Dedications
371	Pumping Equipment	122,096	Fairwinds #3, Seafarer, VCUD (wholesale)
380	Treatment Plant & Disposal Equipment	91,921	Upgrades
		<hr/>	
Total		\$683,481	
NPUC Net Inv.		56,250	
SAC		318,750	
CIAC Dedications		308,481	



## Section 7

Phase 3 Plan  
2021-2025

## Section 7 – NPUC Phase 3 Plan 2021-2025

### 7.01 General

The phase 3 plan again provides for existing build out, growth and an existing area in the southern portion of the expanded NPUC service area. This phase completes the locations where central wastewater service has been desired.

### 7.02 Facilities

The facilities to be provide include service to Via Madrid and a 300 LDF 6" FM extension south of John Anderson And an 800 LF 8" FL extension south on A1A. A third pump next to the Main #1 pump station and associated set of triplex controls are provided. Again minor WWTP accommodations will be required.

### 7.03 Capital Cost

Table 7-1 presents the Phase 3 program capital costs.

Table 7-2 presents all of the CIAC cost and NPUC investment by NARUC account code.

Table 7-1

NPUC Phase 3 Plan  
Additional Facilities Summary  
Year 2021

<u>Description</u>	<u>Capacity</u>	<u>Cost</u>
Via Madrid PS #13	30 gpm	CIAC
6" Force Main #25	300 LF	7,500
8" Force Main #30	800 LF	24,000
Triplex @ WWTP #1	LS	80,000
WWTP Capital Costs	-	<u>30,000</u>
	Subtotal	141,500
	Contingency @ 20%	<u>28,500</u>
	Subtotal	170,000
	Engineering, Survey, Permitting, Construction Mgt.	<u>25,000</u>
		\$195,000
	119 x 1,250 =	(148,750)
	Amount Not Recovered	\$46,250

Table 7-2

NPUC Year 2021 – Phase 3  
Wastewater Utility Plant Accounts

<u>Account No.</u>	<u>Account Name</u>	<u>2021 Additions</u>	<u>Comments</u>
360	Collection Sewers – Force Main	43,366	A1A and John Anderson FM Ext.
361	Collection Sewers Gravity	19,490	Tie-ins
363	Services to Customers	57,820	CIAC to Transmission
371	Pumping Equipment/ Stations	170,134	P.S. #13 & P.S #1Triplex
380	Treatment Plant and Disposal Equipment	41,300	Plant Upgrades
Total 2021 Additions		<u>\$332,110</u>	
NPUC Net Inv.		46,250	
SAC Revs.		148,750	
CIAC Dedications		127,110	



## Section 8

### Future Service

## Section 8 – Future Service

There are seven (7) areas where only septic tanks exist and residents have no existing dry lines or other means to readily connect to central wastewater service.

The Florida Health Department in its 2013 report to Volusia County has these areas as critical or priority #1 for correction. Pollution has been documented in these areas. Few reported public health effects have been documented.

The areas and number of units are shown on Table 8-1.

Due to the lack of a county program to correct these conditions and the lack of desire for service and greater objection to the potential cost of service, we have not provided facilities to service the areas at this time. If conditions change in the future, service may be provided.

Eight (8) package plants Condo Associations or Managers along A1A south of the expanded service area historically requested service and preliminary planning and costing for service was provided by NPUC subject to FPSC approval.

Volusia County Utilities, and Administration staff voiced objection to NPUC concerning providing service.

Due to the high cost of contested FPSC certification process, NPUC agreed with the county not to provide retail services for these potential customers. The County requested a stubbed out 8" force main along A1A for potential future wholesale service.

The County has planned to construct an 8" force main in area. Over the past 30 years requests for central wastewater service have been made to the county without central wastewater service being provided.

A few adjacent package plants have been integrated into the City of Ormond Beach's regional wastewater system. Ormond Beach has a 50% surcharge on outside city limits wastewater customers.

There are approximately 7,500 LF from the southern boundary of the NPUC revised service area expansion and the northern terminus of the Ormond Beach force main system. There are 16 existing old package wastewater treatment plants and well over 1,000 old septic tanks in the area.

As a system failures occur, pollution continues, and residents of the area see the inefficiency of the NPUC system; either the County, the City or NPUC may be called on to provide sanitary services.

Table 8-1

Septics in Subdivisions (1) / Areas

<u>Subdivisions</u>	<u>Units</u>	<u>Present Status</u>
Marlin	19	
Beau Rivage	46	Future
Seafarer	23	Consideration
Avalon	58	after
Capistrano	52	2025 due to
Oceanaire Res.	68	lack of County
Dolphin/ Tarpon/ Bass	<u>69</u>	Program
	335	

(1) Requires Volusia County Board of County Commissioners action on Mandatory Connection and Assessments

## Appendices

A – FDEP Permit

B – 2/18/2013 Operation and Maintenance Performance  
Report

C – 2/18/2013 Capacity Analysis Report

D – Effluent Analytical Results

E – Maps Depicting Additional Service Area and Existing  
Proposed Facilities



## Appendix A

### FDEP Permit



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

RICK SCOTT  
GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

## STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**

North Peninsula Utilities Corporation

**RESPONSIBLE OFFICIAL:**

Mr. Robert Hillman

[developershw@bellsouth.net](mailto:developershw@bellsouth.net)

PO Box 1364

Ormond Beach, Florida 32175-2803

(386) 677-7847

**PERMIT NUMBER:**

FLA011188-003

**FILE NUMBER:**

FLA011188-003-DW2P

**EFFECTIVE DATE:**

September 4, 2013

**EXPIRATION DATE:**

September 3, 2018

**FACILITY:**

Seabridge WWTF

Seabridge Drive

Ormond Beach, FL 32176

Volusia County

Latitude: 29°22' 46.12" N Longitude: 81°4' 58.61" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

A 0.210 MGD three month average daily flow (TMADF) wastewater treatment facility consisting of one existing 0.060 MGD steel contact stabilization plant, one existing 0.060 MGD concrete contact stabilization plant, and one existing 0.090 MGD steel extended aeration plant. Major process components include flow equalization, influent screening, aeration, secondary clarification, chlorination and aerobic digestion of residuals. Flows to this facility are limited to 0.181 MGD AADF, the capacity of the existing reuse system, R001, described below.

**REUSE OR DISPOSAL:**

**Land Application R-001:** An existing 0.181 MGD annual average daily flow permitted capacity rapid infiltration basin system. R-001 is a reuse system which consists of two rapid infiltration basins (RIBs) with a total wetted area of 0.9 acres located approximately at latitude 29°22' 45" N, longitude 81°4' 57" 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: North Peninsula Utilities Corporation  
 FACILITY: Seabridge WWTF

PERMIT NUMBER: FLA011188-003  
 EXPIRATION DATE: September 3, 2018

## I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

### A. Reuse and Land Application Systems

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.7.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Monitoring	Sample Type	Monitoring Site Number	
Flow (To RIBs)	MGD	Max Max	0.181 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	See I.A.3
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	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	Bi-weekly; every 2 weeks	8-hr FPC	EFA-1	
Coliform, Fecal	#/100mL	Max Max Max	200 200 800	Annual Average Monthly Geometric Mean Single Sample	Bi-weekly; every 2 weeks	Grab	EFA-1	See I.A.4
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-1	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-1	See I.A.5
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	EFA-1	See I.A.6
Nitrogen, Total	mg/L	Max	Report	Single Sample	Monthly	8-hr FPC	EFA-1	See I.A.7
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Monthly	8-hr FPC	EFA-1	See I.A.7

PERMITTEE: North Peninsula Utilities Corporation  
FACILITY: Seabridge WWTF

PERMIT NUMBER: FLA01111  
EXPIRATION DATE: September

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition L, described below:

Monitoring Site Number	Description of Monitoring Site
FLW-1	Ultrasonic flow meter at the common effluent metering vault
EFA-1	Common metering vault after chlorine contact chambers

3. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 6 months. [62-601.200(17) and .500(6)]
4. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report. [62-600.440(4)(c)]
5. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak flow. [62-610.510, 62-600.440(4)(b) and (5)(b)]
6. Nitrate nitrogen (NO<sub>3</sub>) concentration in the water discharged to the land application system shall not exceed 12.0 mg/L or as required to comply with Rule 62-610.510, F.A.C. [62-610.510]
7. Monitoring for total nitrogen (TN) and total phosphorus (TP) are required as allowed by Rule 62-601.300(6) F.A.C., to evaluate impacts of reclaimed water to ground and surface waters in an impaired water basin.



PERMITTEE: North Peninsula Utilities Corporation  
FACILITY: Seabridge WWTF

PERMIT NUMBER: FLA011188-003  
EXPIRATION DATE: September 3, 2018

**B. Other Limitations and Monitoring and Reporting Requirements**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.7.:

			Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow (Total through plant)	MGD	Max Max Max	0.181 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	FLW-1	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	INF-1	See I.B.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	Bi-weekly; every 2 weeks	8-hr FPC	INF-1	See I.B.3

PERMITTEE: North Peninsula Utilities Corporation  
FACILITY: Seabridge WWTF

PERMIT NUMBER: FLA0111  
EXPIRATION DATE: Septembe

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as descr

Monitoring Site Number	Description of Monitoring Site
FLW-1	Ultrasonic flow meter at the common effluent metering vault
INF-1	Raw influent to surge tank

3. Influent samples shall be collected so that they do not contain digester supernatant or return activate any other plant process recycled waters. [62-601.500(4)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once e months. [62-601.200(17) and .500(6)]
5. The sample collection, analytical test methods and method detection limits (MDLs) applicable to thi shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 a 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 tit 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index>. MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those above unless alternate MDLs and/or PQLs have been specifically approved by the Department for th Any method included in the list may be used for reporting as long as it meets the following requirem
- The laboratory's reported MDL and PQL values for the particular method must be equal or less 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 applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are lis "report only" in the permit shall use methods that provide an MDL, which is equal to or less tha 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 ap water quality criteria for that parameter, then the method with the lowest stated MDL shall be us

When the analytical results are below method detection or practical quantitation limits, the permittee report the actual laboratory MDL and/or PQL values for the analyses that were performed following instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs c any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in th referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 acceptable by the Department. [62-4.246, 62-160]

6. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, effluent samples which are required by this permit. [62-601.500(5)]
7. Monitoring requirements under this permit are effective on the first day of the second month followi effective date of the permit. Until such time, the permittee shall continue to monitor and report in ac with previously effective permit requirements, if any. During the period of operation authorized by the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) i accordance with the frequencies specified by the REPORT type (i.e. monthly, toxicity, quarterly, ser annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this j monitoring results for each monitoring period shall be submitted in accordance with the associated I dates below. DMRs shall be submitted for each required monitoring period including periods of no c



PERMITTEE: North Peninsula Utilities Corporation  
FACILITY: Seabridge WWTF

PERMIT NUMBER: FLA011188-003  
EXPIRATION DATE: September 3, 2018

REPORT Type on DMR	Monitoring Period	Mail or Electronically Submit by
Monthly or Toxicity	first day of month - last day of month	28 <sup>th</sup> 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 30	July 28 January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department's Central District Office at the address specified in Permit Condition I.B.10. by the twenty-eighth (28th) of the month following the month of operation.

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

*[62-620.610(18)][62-601.300(1),(2), and (3)]*

8. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-601.300(4)][62-601.500(3)][62-610.300(4)]*
9. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*
10. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Central District Office at the address specified below:

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

Phone Number - (407)897-4100

FAX Number - (850)412-0496

(All FAX copies and e-mails shall be followed by original copies.)

*[62-620.305]*

11. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

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## II. BIOSOLIDS MANAGEMENT REQUIREMENTS

1. Biosolids generated by this facility may be transferred to American Bioclean BTF or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]
2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report, for monitoring group RMP-Q, in accordance with Condition I.B.7.

			Biosolids Limitations		Monitoring Requirements		
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Transferred)	ton (d)	Max	Report	Monthly Total	Monthly	Calculated	RMP-1
Biosolids Quantity (Landfilled)	ton (d)	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	Biosolids leaving the facility

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)]



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10. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility

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

Biosolids Treatment Facility or Treatment Facility

1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility
4. Signature of hauler
5. Signature of responsible party at treatment facility

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

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

#### A. Construction Requirements

Section Construction Requirements is not applicable to this facility.

#### B. Operational Requirements

1. 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]
2. 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)]
3. During the period of operation authorized by this permit, the permittee shall sample ground water 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][62-610.463]
4. The following monitoring wells shall be sampled quarterly. Sampling must be reasonably spaced to be representative of potentially changing conditions.

Facility MW Name	Permit Builder MW ID	WAFR ID/#	GMS #	Well Type	Depth (Feet)	Aquifer Monitored	New or Existing
<b>Pond Site</b>							
MW-1B	MWB-1B	7628	3064A13462	Background	24	Surficial	Existing
MW-2	MWC-2	7627	3064A13463	Compliance	24	Surficial	Existing
MW-3	MWC-3	7626	3064A13464	Compliance	18	Surficial	Existing
MW-4	MWC-4	7625	3064A13465	Compliance	16	Surficial	Existing

MWB = Background Well; MWC = Compliance Well

[62-520.600][62-610.463]

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5. The following parameters shall be analyzed for each of the monitoring well(s) identified in Permit Condition(s) III. B. 4:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to Feet, NGVD	Report	Feet	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)**	500	mg/L	Grab	Quarterly
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	SU	Grab	Quarterly
Turbidity, Lab. – Ntu.	Report	NTU	Grab	Quarterly
<b>Added: August-2013*</b>				
Sodium	160	mg/L	Grab	Quarterly

\* Based on the results of the Effluent Analysis Report, parameter Sodium has been added to the existing Groundwater Monitoring Plan for the period of at least 12-quarters.

\*\*May be greater if no other parameter is exceeded.

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.300(9)]

6. If the concentration for any constituent listed in Permit Condition III. B. 5. 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 natural background quality shall be the prevailing standard. [62-520.420(2)]
7. In accordance with Part D of Form 62-620.910(10), water levels shall be recorded before evacuating wells for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (Feet, NGVD) at a precision of plus or minus 0.01 foot. [62-520.600(11)(C)] [62-610.463(3)(a)]
8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-601.700(5)] [62-160.210]
9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Central District, Ground Water Section as being more representative of ground water conditions. [62-520.310(5)]
10. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. [62-620.610(18)]
11. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10). A completed Certification Page shall accompany each quarter of monitoring data. For reuse or land application projects, the quarterly ground water monitoring results shall be submitted with the DMR as shown in the following schedule. [62-520.600(10) and (11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-620.610(18)]

SAMPLE PERIOD	REPORT DUE DATE
January - March	April 28
April - June	July 28
July - September	October 28
October - December	January 28

12. If any monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Department's Central District, Ground Water Section immediately and a written report shall follow within seven days detailing the circumstances and remedial measures taken or proposed. Repair or replacement of monitoring wells shall be approved in advance by the Department's Central District, Ground Water Section. [62-520.600] [62-4.070(3)]



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13. The Permittee shall provide verbal notice to the Department's Central District, Ground Water Section as soon as practical after discovery of a sinkhole 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, Ground Water Section in a written report within 7 days of the sinkhole discovery. [62-4.070(3)]

#### **IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS**

##### **A. Part IV Rapid Infiltration Basins (RIBs)**

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 RIBs shall be limited to 7.4 inches per day (as applied to the entire bottom area). [62-610.523(3)]
3. The RIBs 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 a(n) operator(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category II, Class C facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 3 hours/day for 5 days/week and one weekend visit. The lead/chief operator must be a Class C operator, or higher.

2. An operator meeting the lead/chief operator class for the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(1)]

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

1. 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)]

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### C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
  - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
  - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
  - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
  - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
  - e. A copy of the current permit;
  - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
  - g. A copy of any required record drawings;
  - h. Copies of the licenses of the current certified operators;
  - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
  - j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

[62-620.350, 62-602.650, 62-640.650(4)]

### VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

Improvement Action	Completion Date
1. Restore catwalk railing over surge tank	Within 60 days of permit issuance
2. Repair Plant #1 traveling sludge return	Within 60 days of permit issuance

[62-620.320(6)]

2. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
  - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
  - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1) - (4)]



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## VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. This facility is not required to have a pretreatment program at this time. *[62-625.500]*

## VIII. OTHER SPECIFIC CONDITIONS

1. The permittee shall comply with all conditions and requirements for reuse contained in their consumptive use permit issued by the Water Management District, if such requirements are consistent with Department rules. *[62-610.800(10)]*
2. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. *[62-600.410(8) and 62-640.400(6)]*
3. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*
4. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*
5. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
  - a. Which may cause fire or explosion hazards; or
  - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
  - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
  - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°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)]*
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)]*

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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 adequate 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.Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

[62-620.625(2)]

#### IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit, constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the



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conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]

8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
  - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
  - b. Have access to and copy any records that shall be kept under the conditions of this permit;
  - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
  - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]



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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 description of the anticipated noncompliance;
  - The period of the anticipated noncompliance, including dates and times; and
  - Steps being taken to prevent future occurrence of the noncompliance.
- [62-620.610(17)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
- 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.
  - 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.
  - Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
  - 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.
  - 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.
  - 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.
- The following shall be included as information which must be reported within 24 hours under this condition:
    - Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
    - Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
    - Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
    - Any unauthorized discharge to surface or ground waters.
  - Oral reports as required by this subsection shall be provided as follows:



PERMITTEE: North Peninsula Utilities Corporation  
FACILITY: Seabridge WWTF

PERMIT NUMBER: FLA011188-003  
EXPIRATION DATE: September 3, 2018

- (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 WARNING POINT 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 Warning Point:
    - (a) Name, address, and telephone number of person reporting;
    - (b) Name, address, and telephone number of permittee or responsible person for the discharge;
    - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
    - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
    - (e) Estimated amount of the discharge;
    - (f) Location or address of the discharge;
    - (g) Source and cause of the discharge;
    - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
    - (i) Description of area affected by the discharge, including name of water body affected, if any; and
    - (j) Other persons or agencies contacted.
  - (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Central District Office within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Central District Office shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. [62-620.610(21)]

22. Bypass Provisions.

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
- b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
  - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
  - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
- c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.
- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

PERMITTEE: North Peninsula Utilities Corporation  
FACILITY: Seabridge WWTF

PERMIT NUMBER: FLA011188-003  
EXPIRATION DATE: September 3, 2018

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

*[signed by DJ for CCF on date shown]*

FOR Christianne C. Ferraro, P.E.  
Program Administrator  
Water Resource Management

Permit Issuance Date: August 14, 2013

Attachment(s):  
Discharge Monitoring Report

Appendix B

Operations and Maintenance  
Performance Report  
2/18/2013





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## **OPERATION AND MAINTENANCE PERFORMANCE REPORT**

### **SEABRIDGE WASTEWATER TREATMENT FACILITY ORMOND BEACH, FLORIDA**

**FACILITY ID # FLA011188**

**DEP PERMIT # FLA011188**

**PERMIT EXPIRES SEPTEMBER 3, 2013**

**GAI#A120803.02**

**February 2013**

**PREPARED FOR:  
NORTH PENINSULA UTILITIES CORPORATION  
115 E. GRANADA BLVD., SUITE 12  
ORMOND BEACH, FL 32175**

**PREPARED BY:  
GAI CONSULTANTS, INC.  
618 EAST SOUTH ST., SUITE 700  
ORLANDO, FLORIDA 32801**

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gai consultants

OPERATION AND MAINTENANCE  
PERFORMANCE REPORT  
SEABRIDGE WASTEWATER TREATMENT FACILITY  
ORMOND BEACH, FLORIDA

FACILITY ID # FLA011188

DEP PERMIT # FLA011188

PERMIT EXPIRES SEPTEMBER 3, 2013

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*David A. Starnes*  
02-18-2013  
REG. NO. 54275

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## OPERATION AND MAINTENANCE PERFORMANCE REPORT

### General

The Seabridge wastewater treatment facility (WWTF) is a 0.21 million gallons per day (MGD) wastewater treatment plant consisting of three (3) separate treatment systems: one 0.9 MGD steel extended aeration; one 0.06 MGD concrete contact stabilization and one 0.06 MGD steel contact stabilization plant. The wastewater treatment facility receives sanitary wastewater flows from approximately 410 residential units and 175 condominium units with average annual wastewater flows for the last three years of record of approximately 0.04 29MGD. Disinfected effluent from the facility is discharged to the groundwater via two (2) on-site percolation ponds with a total wetted area of approximately 32,320 square feet. Reclaimed water from this facility is not discharged to any surrounding surface waters.

The Seabridge Wastewater Treatment Facility is a Class C, Category II wastewater treatment facility that is currently operating under an FDEP Operating permit. (FLA#011188). The Facility is located within the unincorporated area of Volusia County north of Ormond Beach, west of A-1-A on Seabridge Drive. An operation and maintenance inspection was performed by GAI Consultants, Inc. personnel on January 23, 2013 to evaluate the operation of the unit operations/processes and to observe the condition and maintenance of the facility in accordance with the requirements of the FDEP.

### FACILITY PERFORMANCE REPORT

#### Lift Station

The on-site lift station for the facility is in satisfactory operating condition and adequately maintained.





### Head Works

The Seabridge WWTF Head works consists of a 35,000 gallon surge tank originally equipped with two dosing pumps (3 hp/single phase) to distribute flow through a splitter box which then distributes the designated amount of flow to each of the individual plant treatment systems. In recent times, only one dosing pump has been in service and presently that pump is being overhauled, temporarily rendering the surge tank out of service.

Therefore, the capability of the surge tank to discharge the required amount of flows to the stabilization and extend aeration plants was not working effectively at the January 23, 2013 field visit. Other equipment including the positive displacement blower, pump equipment, piping and control valves were functioning and appeared to be in good operating condition. The tank does show signs of significant corrosion which does not jeopardize the integrity of the steel tank. Although the surface of these tanks have since been previously commercially blast cleaned and recoated with high build epoxy, the corrosion has advanced above the water line where holes and thin wall areas should be repaired/replaced and epoxy coated.





### **0.09 MGD Steel Extended Aeration Plant (TP#1)**

The influent to the Contact/Mixing chamber appeared to be stable and large aeration volumes provided by the blowers completely mixed the tank contents.

The Clarifier is designed with 3" weir plates extending through the center of the rectangular chamber with a traveling 3" skimmer and sludge collector and adjustable weir plate. The weir was observed to not be level resulting in clarified liquid passing over the weir in a non-uniform fashion. The traveling sludge return was not in operation and along with support brackets, showed significant signs of corrosion.

The Re-aeration tank was working well, as large bubble air sparges were evident, as needed for the activated - sludge process. The turnover of the tank contents appeared to be thorough, thus providing a complete mixing of the contents. The operation of this particular plant seemed to provide the intended level of treatment and the facility is generally in good shape, with the exception of the metal catwalk on the west side (near the reaeration chamber) which has corroded to the extent it is unsafe and has been removed and replaced.





### **0.06 mgd Concrete Contact Stabilization Plant (TP#2)**

The 0.06-mgd concrete stabilization plant is considered Treatment Plant No. 2 and consists of eight individual circular tanks. The process consists of effluent going to the Contact Tank then the dual clarifiers which direct return sludge and waste sludge to the reaeration tanks (two tanks) and digesters (two tanks) respectively. The clarified water overflowing weirs then enters the chlorine contact tank for disinfection.

The original air diffusers which were cast in the concrete lids have been replaced with 3" galvanized pipe anchored on top of the concrete lids. This was done to facilitate maintenance of these lines, as the pipe cast integrally within the concrete is inaccessible.

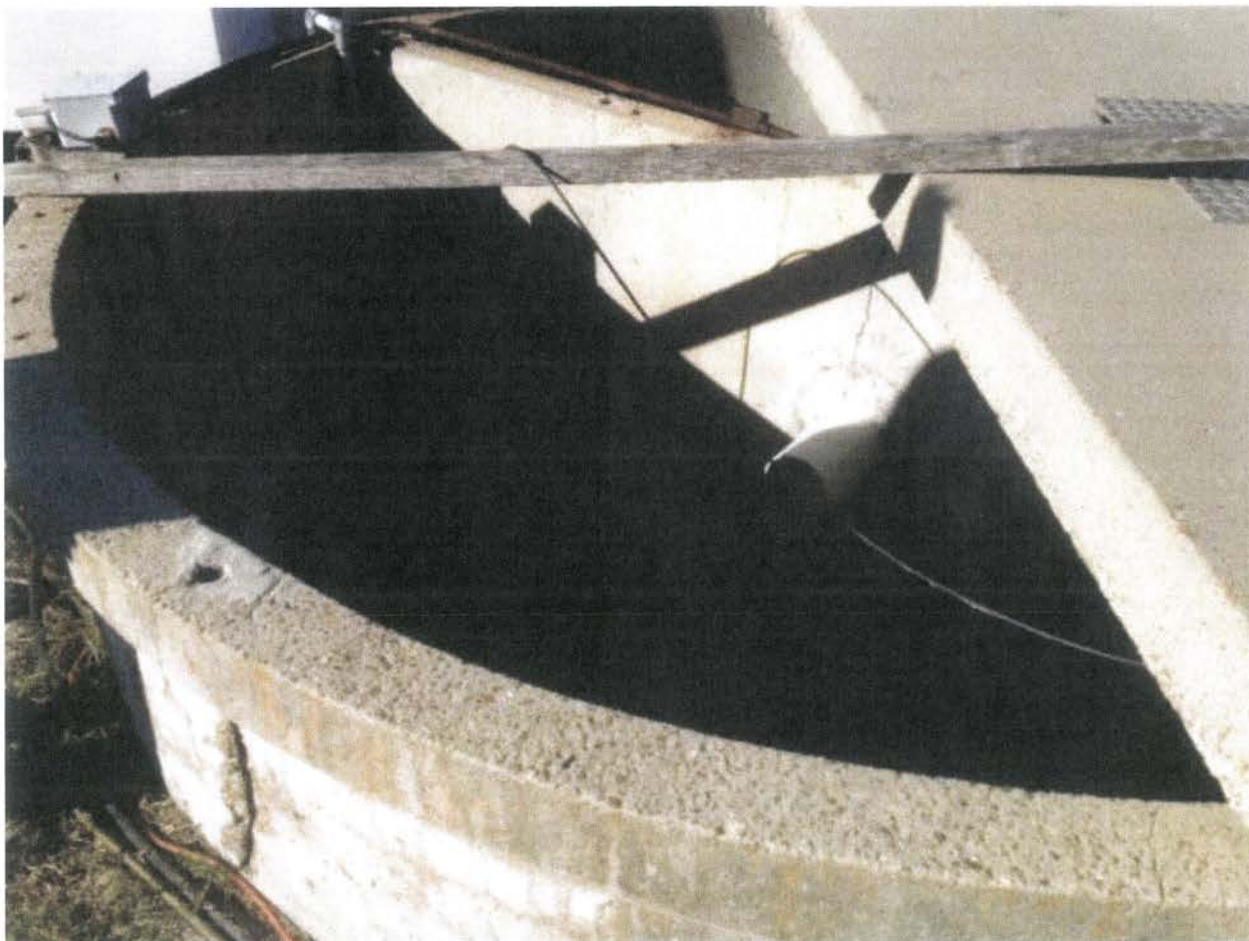


Inspection of the reaeration and aerobic digester tanks revealed the Plant's blower system was distributing ample air diffusion to create a homogeneous mix within the tank with a steady rolling action.

The blower also appeared to provide the proper air diffusion for the clarifier operations to occur by returning sufficient volumes of settled sludge from the bottom of the clarifier. The weir system was clear of obstruction and appeared to have a uniform flow over the weir plate. The

weir plate and supporting brackets are in satisfactory operating condition. However, they show the effects of being continuously subjected to a corrosive environment, and should be routinely inspected and serviced as needed.

The Chlorine Contact Tank is in good condition including the structure and chlorine solution piping (i.e. PVC pipe does not appear oxidized or brittle). The chlorine distribution feed system works effectively as the minimum chlorine residual limit continues to be achieved for the effluent (reference MOR survey which shows minimum TRC 0.5 mgll has been met for this year). The chlorine tanks are housed in white plastic tanks set directly adjacent to the contact tank.



#### **0.06 MDG Steel Contact Stabilization Plant (TP#3)**

The 0.06-mgd steel stabilization plant is the 3<sup>rd</sup> treatment facility at the WWTF and the newest of the three facilities. However, it also shows significant corrosion of most of the steel components above the water line.

The Contact/Mixing tank appeared to provide sufficient rolling action and mixing of the liquid when the blowers were operating.

The Clarifiers are in satisfactory condition and the 3" airlifts are in good condition and returning a good volume of settled sludge from the clarifier bottoms. However, the traveling sludge collector



was not in operating condition. The weir plates were clear of any debris or obstruction and providing a uniform discharge of the clarified liquid.

The reaeration tanks were inspected with the blowers in operation and it appeared that the air diffusers were providing sufficient air mass as the liquid had plenty of rolling action.

The Aerobic Digester was also inspected with the blowers in service and it was apparent good oxygen transfer and deep mixing was occurring as a result of the bubbler diffusers.



### Percolation Ponds

Discharge from the plant is presently being directed alternately to either the east or west cell of the dual percolation ponds. The ponds naturally drain quite rapidly due to on site soil conditions and regular maintenance which includes the removal of all nuisance vegetation (i.e. cattails) and tilling of the top surface.

Operation of the percolation ponds consistently utilizing only one cell at a time (50% capacity) has already provided a de facto hydraulic loading test showing that the pond system can consistently handle twice (2x) the flow it was originally sized for and normally subjected to.



East Percolation Pond



West Percolation Pond



### **Monitoring Wells**

The plant site now has a series of four (4) groundwater monitoring wells around its perimeter. The north most monitoring well (i.e. background well MW-1A) is no longer in operation, apparently due to a damaged casing and will need to be replaced if other wells do not represent a comprehensive evaluation of the general water quality. The other monitoring wells #'s 2, 3, 4, and 1B continue to be in service in accordance with the plant's Groundwater Monitoring Plan. Quality Control Data for the quarterly groundwater sampling and analysis program are appended to this report.

### **Nitrogen & Chlorides Levels**

In the September 7, 2012 Non-compliance Letter OCD-C-WW-12-0491 to NPUC, the Department cited Nitrogen levels exceeding the primary standard of 10 mg/l for two samples taken at MW-3 which read 10.3 mg/l and 13.4 mg/l. The plant contract operators (Wetherell Treatment systems) believe that correction of the plant discrepancy/action items tabulated below will bring the nitrogen concentrations down and back into compliance.

The above referenced Department Non-compliance Letter also cited chloride levels for being above the secondary standard of 250 mg/l for various monitoring well samples. The cause of these elevated concentrations is due to the plant's peninsular location which is in close proximity to the Inland Waterway to the west and to the Atlantic Ocean to the east.

### **Recommendation/Summary**

The Seabridge WWTF appears to be operating according to the original design as the treatment process provides effluent which meets the effluent limitations required with the FDEP permit. As expected the environment around the WWTF is corrosive in nature and requires constant maintenance and upkeep to maintain an acceptable level of service which appears to be occurring as part of the utility's commitment to meet effluent limitation parameters.

The Site does not exhibit foul odors and there is no evidence of excess scum or grease buildup. The Facility perimeter remains secured with a locked gate and signage noting authorized personnel only. Also, the vegetation has germinated to the extent it has provided a good landscape buffer between the site and residential units, especially to the north where a thick hedge row has been established.

Overall the Plant operating equipment (mechanical, electrical and structural) and the stages of all three treatment plants process the wastewater stream very effectively in accordance with the FDEP effluent limitation parameters. The Facility appears to be maintained by dedicated operators and deficiencies corrected as they are encountered. As such we believe the Seabridge WWTF will continue to operate in accordance with the permit conditions and currently have no new recommendations.

PLANT DISCREPANCY/ACTION ITEMS TABLE

<b>Item No.</b>	<b>Pant or Plant Loc.</b>	<b>Plant Component</b>	<b>Discrepancy</b>	<b>Remedy/w/Repair Restoration Schedule</b>
1	Surge Tank	Dosing Pump	Out of Service	To be replaced by 03/08/2013
2	Surge Tank	Catwalk Railing	Weak 8' Section	To be restored by 04/02/2013
3	Surge Tank	Plant Distribution Box	Side walls corroded above water line	To be restored by 05/30/2013
4	Plant #1	Traveling Sludge Return	Not Working	To be repaired by 04/30/2013
5	Plant #3	Clarifier Skimmer	Not Working	To be repaired by 06/15/2013
6	All Plants	Percolation Ponds	Vegetation	To be bush hogged 3x per year and scarified 2x per year

# SEABRIDGE WASTEWATER TREATMENT FACILITY TREND ANALYSIS

Seabridge WWTF Loading Data

Date	Flow	Influent		Effluent								
	ADF (MGD)	CBOD <sub>5</sub> (mg/L)	TSS (mg/L)	CBOD <sub>5</sub> (mg/L)	TSS (mg/L)	FC	NO <sub>3</sub> (mg/L)	pH	TRC	BOD Max	TSS Max	FC Max
Jan-10	0.062	160	148	3.0	21.3	1	0.02	7.2	0.9	4.0	34.0	1
Feb-10	0.068	210	220	3.3	8.1	1	5.38	7.2	1.0	4.6	9.3	1
Mar-10	0.066	223	154	5.0	8.9	1	1.08	7.3	1.0	7.9	15.3	1
Apr-10	0.050	239	113	4.3	4.0	1	1.06	7.3	1.3	5.2	5.5	1
May-10	0.039	163	177	3.0	2.9	1	0.14	7.2	1.1	3.9	3.3	1
Jun-10	0.051	206	138	6.2	5.3	1	1.24	7.2	1.1	9.6	8.0	1
Jul-10	0.040	244	180	2.3	2.6	1	2.44	7.2	1.1	2.6	2.6	1
Aug-10	0.036	206	200	2.0	2.6	1	2.21	7.2	1.2	2.0	2.6	1
Sep-10	0.045	295	507	2.8	2.8	1	2.11	7.3	1.1	3.4	3.0	1
Oct-10	0.034	146	230	2.0	6.1	1	1.78	7.3	1.1	2.1	7.5	1
Nov-10	0.046	241	218	3.3	8.3	1	1.19	7.2	1.0	3.8	14.0	1
Dec-10	0.056	174	149	2.9	2.6	1	0.01	7.2	0.9	2.9	2.6	1
Jan-11	0.059	270	205	3.6	8.0	1	0.42	7.2	0.9	4.3	8.0	1
Feb-11	0.049	177	265	5.2	5.6	1	2.93	7.3	0.9	6.2	6.7	1
Mar-11	0.049	205	209	6.4	18.0	1	2.68	7.2	1.0	9.9	33.0	1
Apr-11	0.038	216	230	2.9	15.1	1	0.70	7.2	0.9	2.9	25.3	1
May-11	0.036	144	228	3.6	13.0	1	1.05	7.3	1.2	4.3	20.0	1
Jun-11	0.026	246	135	4.5	8.9	1	0.10	7.3	1.2	5.2	16.0	1
Jul-11	0.025	233	258	7.3	14.5	1	0.02	7.2	1.2	7.9	21.5	1
Aug-11	0.014	169	273	3.6	3.2	1	0.02	7.1	1.2	3.9	4.0	1
Sep-11	0.013	230	263	4.2	17.2	1	2.35	7.2	1.0	5.5	24.0	1
Oct-11	0.030	372	523	3.4	23.2	1801	2.02	7.3	1.0	3.9	41.0	3601
Nov-11	0.033	253	255	4.7	10.6	1	0.13	7.2	1.0	6.1	13.5	1
Dec-11	0.030	211	240	3.2	18.5	1	0.83	7.2	0.9	3.8	22.0	1
Jan-12	0.007	257	270	5.8	7.2	1	4.62	7.2	1.0	9.0	38.0	1
Feb-12		270	265	11.2	16.5	16	1.65	7.2	1.3	13.1	18.0	32
Mar-12	0.039	234	260	11.8	6.5	1	1.43	7.2	1.2	18.9	8.0	1
Apr-12	0.049	260	260	2.8	7.2	65	6.61	7.2	1.1	4.4	21.0	130
May-12	0.045	198	195	7.0	14.5	30	1.19	7.2	1.0	10.7	21.0	60



Jun-12	0.058	196	178	3.7	9.4	1	0.02	7.3	1.1	4.1	17.0	1
Jul-12	0.065	191	340	4.4	12.0	1	3.70	7.1	1.1	6.2	12.0	1
Aug-12	0.056	182	250	2.6	10.5	1	0.73	7.2	0.9	4.0	14.0	1
Sep-12	0.049	173	245	2.0	8.0	1	2.56	7.2	0.9	2.8	8.0	1
Oct-12	0.048	236	295	2.1	6.0	1	8.04	7.3	0.9	2.1	6.0	1
Nov-12	0.034	214	295	2.6	7.0	1	4.04	7.3	1.0	4.0	7.0	1
Dec-12	0.035	231	235	1.9	4.3	1	0.96	7.2	1.0	2.8	7.0	1

2010 AADF: 0.0493 MGD  
2011 AADF: 0.0334 MGD  
2012 AADF: 0.0406 MGD

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Appendix C

Capacity Analysis Report

2/18/2013





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# **CAPACITY ANALYSIS REPORT**

## **SEABRIDGE WASTEWATER TREATMENT FACILITY**

### **ORMOND BEACH, FLORIDA**

**FACILITY ID # FLA011188**

**DEP PERMIT # FLA011188**

**PERMIT EXPIRES SEPTEMBER 3, 2013**

**GAI#A120803.02**

**February 2013**

**PREPARED FOR:**  
**NORTH PENINSULA UTILITIES CORPORATION**  
**115 E. GRANADA BLVD., SUITE 12**  
**ORMOND BEACH, FL 32175**

**PREPARED BY:**  
**GAI CONSULTANTS, INC.**  
**618 EAST SOUTH ST., SUITE 700**  
**ORLANDO, FLORIDA 32801**

## CERTIFICATIONS

The undersigned permittee has reviewed and is fully aware of the recommendations and schedules included in this Report.

Mr. Robert L. Hillman  
Vice President  
North Peninsula Utilities Corporation  
115 E. Granada Blvd, Suite 12  
Ormond Beach, FL 32176  
386-677-7847



Signature

2-18-13  
Date

I certify that the information contained in this report is true and correct to the best of my knowledge; the report was prepared in accordance with sound engineering principles. I have discussed any recommendations and schedules contained herein with the permittee or the permittee's delegated representative and the lead operator and agree that these facilities, when operated and maintained correctly, will comply with all applicable statutes of the State of Florida and rules of the Department.

Donald F. Stearns, P. E.  
Florida Registration Number 54275  
Engineering Manager  
GAI Consultants, Inc.  
618 E. South Street, Suite 700  
Orlando, Florida 32801



Signature

02-18-2013  
Date

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## 1.0 INTRODUCTION

The Seabridge wastewater treatment facility (WWTF) is located at Seabridge Drive, Ormond Beach, Florida. It provides wastewater services to approximately 410 residential units and 175 condominium units for a total of 585 customers in the Seabridge, Florida service area. The Seabridge WWTF is a Class C, Category II wastewater treatment facility is currently operating under an FDEP Operating permit (FLA 011188). The location of the WWTF and the service area of the facility are illustrated on **Figure 1**.

Chapter 62-604, Florida Administrative Code (F.A.C.) requires the permittees to renew the WWTF permit 180 days before the expiration of current permit, and Chapter 62-600 F.A.C. requires permittees to routinely compare flows being treated at wastewater facilities with the permitted capacity of the treatment, residuals, reuse, and disposal facilities. This Capacity Analysis Report, as a supporting document of the Seabridge WWTF permit renewal application, presents a review of wastewater flows from the past three years at this plant (January 2010 – December 2012).

The Seabridge WWTF is permitted to treat 0.21 MGD three month average daily flow (TMADF) wastewater; and it is permitted to discharge 0.181 MGD annual average daily flow (AADF) treated effluent to a rapid infiltration basin system which consists of two rapid infiltration basins (RIBs) with a total wetted area of 0.9 acres. The active Florida Department of Environmental Protection (FDEP) operating permit FLA#011188 was issued on September 5, 2008 and expires on September 3, 2013.

The WWTF consists of:

- one 35,000 gallon surge tank with two (2) dosing pump and a splitter box,
- one 0.06 mgd steel contact stabilization plant,
- one 0.06 mgd concrete contact stabilization plant,
- one existing 0.09 mgd steel extended aeration plant.

The Major process components include flow equalization, influent screening, aeration, secondary clarification, chlorination, flow measurement and aerobic digestion of residuals.

This plant provides secondary treatment with basic disinfection. The effluent is disposed on-site by a rapid infiltration land application system (R-001). Although the plant has a design capacity of 0.21 MGD, however, the land application system only has a permitted capacity of 0.181 MGD AADF which consists of two rapid infiltration basins (RIBs) with a total wetted area of 0.74 acres located at approximately latitude 29°22'46"N and longitude 81°4'59"W. A site plan and a process flow diagram illustrating the treatment processes are presented in **Figures 1-2** and **1-3**, respectively.

Herb Weems Plumbing and Septic Tank Service, LLC., located at 1010 10th Street, Holly Hill, FL 32117, treats and hauls the residuals. A copy of the hauling records is attached as **Appendix A**.

The previous capacity analysis report was prepared and submitted to FDEP on September 2007 by Zev Cohen & Associates, Inc. On January 23, 2013, GAI Consultants, Inc. personnel did a site visit to evaluate the various treatment units' operation for performance, condition and maintenance for preparing for the permit application.





## Legend

- ★ Seabridge WWTF
- Service Area



**gai consultants**  
transforming ideas into reality<sub>®</sub>  
618 E. South Street, Suite 700  
Orlando, Florida 32801  
Phone 407.423.8398 Fax 407.843.1070

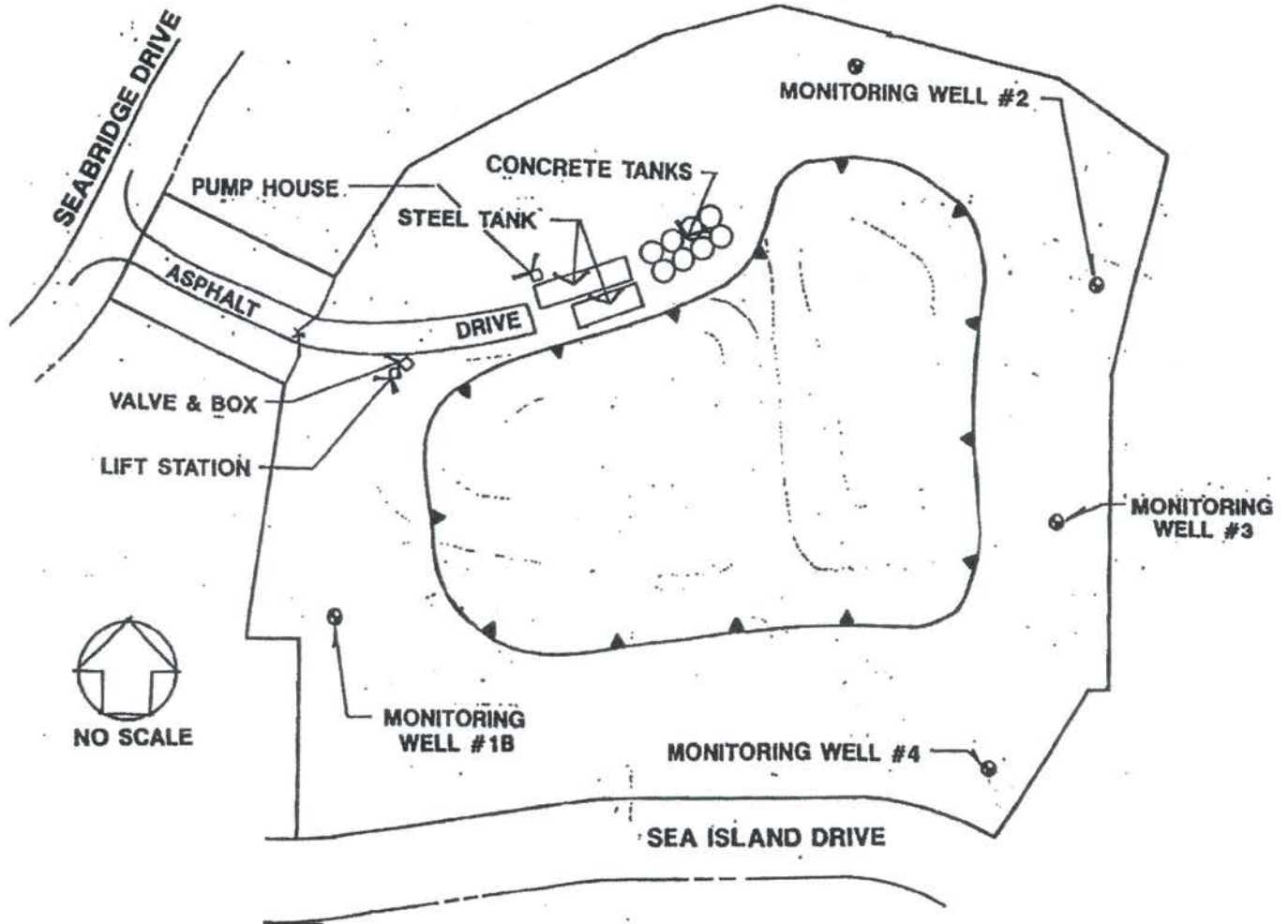
## SERVICE AREA CAPACITY ANALYSIS REPORT

FIGURE

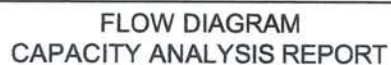
1-1



## SEABRIDGE SEWAGE TREATMENT PLANT



SITE PLAN  
CAPACITY ANALYSIS REPORT



## 2.0 EXISTING CONDITIONS

### 2.1 Permitted Capacities

As noted above, the current permitted capacity of Seabridge WWTF is 0.21 MGD on an TMADF basis but it is limited by the effluent disposal capacity of 0.181 MGD AADF. Effluent is disposed of to a rapid infiltration basin land application site. All components within the WWTF were designed to process 0.21 MGD TMADF flow.

### 2.2 Monthly Average Daily Flows, 3-Month Average Daily Flows, and Annual Average Daily Flows

As part of the operating permit, the facility must submit monthly discharge monitoring reports (DMRs) to the FDEP. Flow data has been compiled from January 2010 to December 2012. All data for the period has been included in the tables and graphed for ease of review.

#### 2.2.1 Monthly Average Daily Flow

Monthly average daily flow (MADF) for the WWTP ranged from a 0.007 MGD in August 2012 to a maximum of 0.068 MGD in February 2010 as shown on **Figure 2-1**. **Table 2-1** provides a summary of average daily flows and three-month average daily flows for each month between January 2010 and December 2012.

#### 2.2.2 Three-Month Average Daily Flow

Three-month ADF ranged from a minimum of 0.00197 MGD in August 2010 to a maximum of 0.0379 MGD in February 2011, as shown on **Figure 2-2**. **Figure 2-2** illustrates three-month ADF, permitted capacities, TMADF/permitted capacities, and three-month ADF linear trend lines between January 2010 and December 2012.

#### 2.2.3 Annual Average Daily Flow

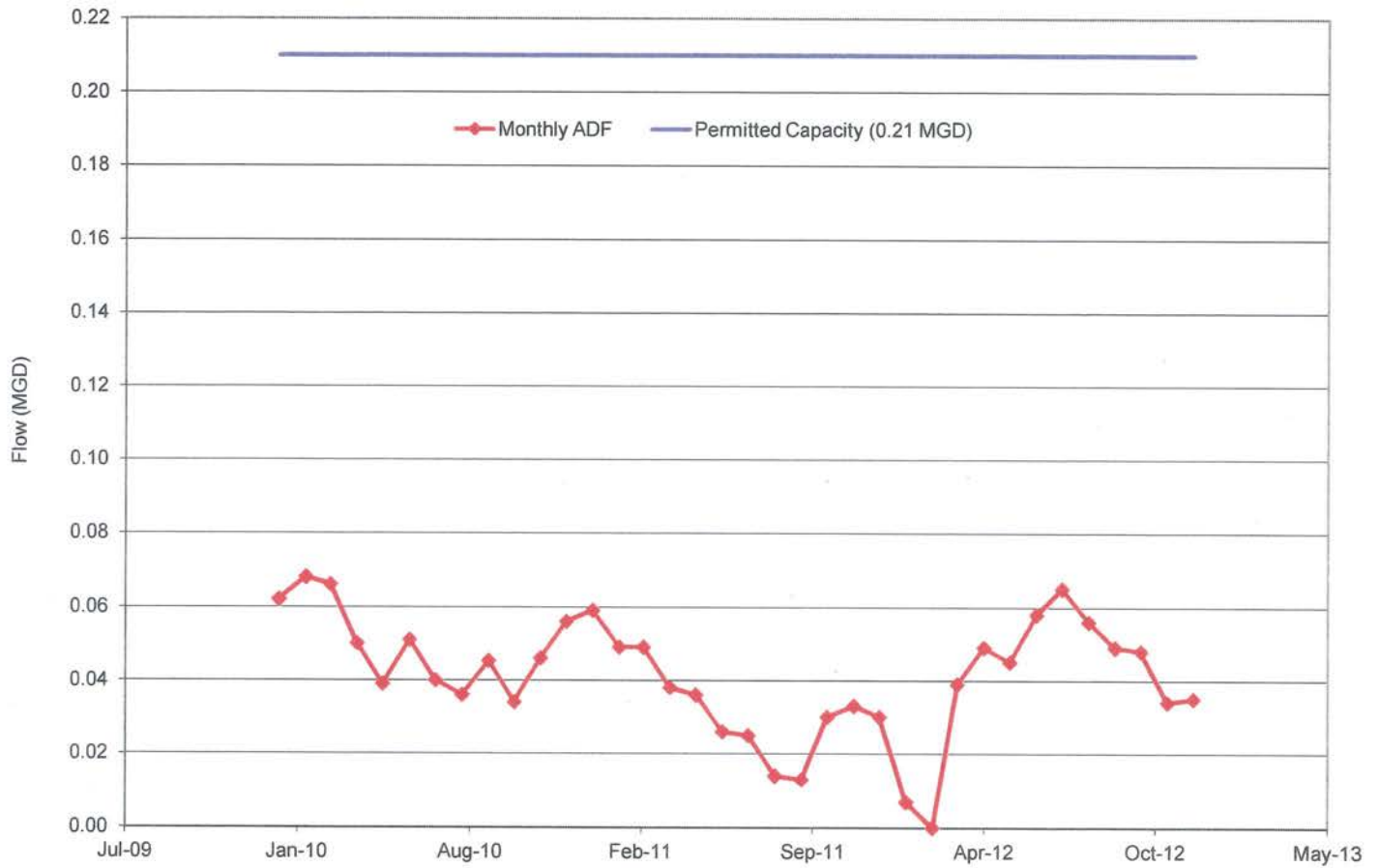
Yearly AADF is provided in **Table 2-2** and also presented graphically on **Figure 2-3**. The AADF has increased over the years.

### 2.3 Seasonal Variations in Flow

**Table 2-3** shows the month of each year when the three-month average daily flow was maximum and the ratio of the maximum three-month average daily flow to the annual average daily flow. As can be seen from the monthly average daily flows on **Figure 2-1** and confirmed based on the information presented in **Table 2-3**, flow does vary seasonally as a result of changes in population. Especially, during the winter season, flow increase because more people come to vacation or holiday. **Figure 2-4** illustrates that rainfall did not impact the plant flows significantly between 2010 and 2012.

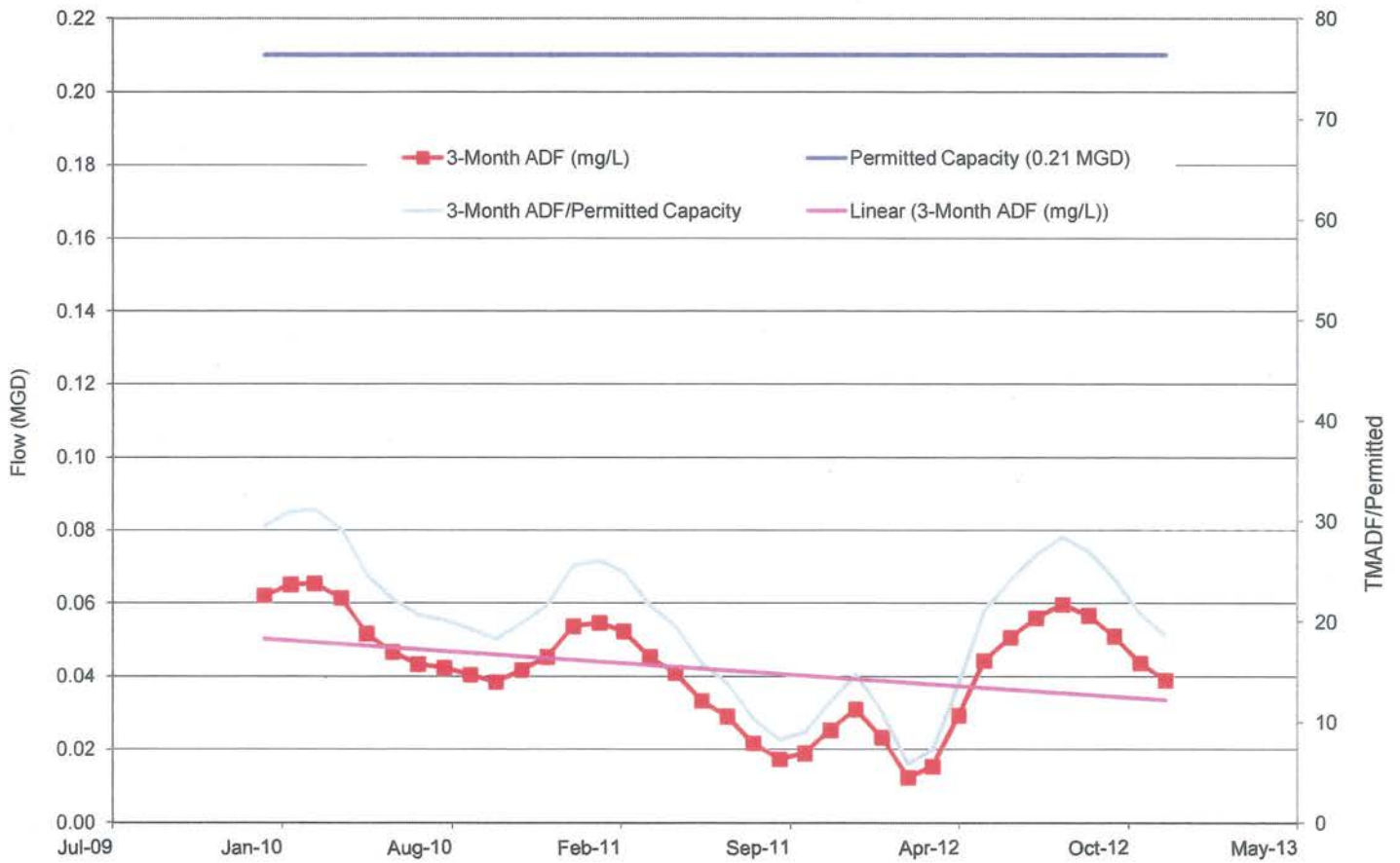
Effluent flow measurement is achieved at the plant with a Control Electronics, Inc. Ultrasonic Open-Channel Flowmeter. For the latest calibration report for the meter see Appendix B at the back of this report.





**Table 2-1**  
**Monthly Average Daily Flows and 3-Month Average Daily Flows**

Date	Average Daily Flow	Three-Month Average Daily Flow	
	MGD	Actual Flow (MGD)	Permitted Capacity (MGD)
Jan-10	0.0620	0.0620	0.21
Feb-10	0.0680	0.0650	0.21
Mar-10	0.0660	0.0653	0.21
Apr-10	0.0500	0.0613	0.21
May-10	0.0390	0.0517	0.21
Jun-10	0.0510	0.0467	0.21
Jul-10	0.0400	0.0433	0.21
Aug-10	0.0360	0.0423	0.21
Sep-10	0.0453	0.0404	0.21
Oct-10	0.0340	0.0384	0.21
Nov-10	0.0460	0.0418	0.21
Dec-10	0.0560	0.0453	0.21
Jan-11	0.0590	0.0537	0.21
Feb-11	0.0490	0.0547	0.21
Mar-11	0.0490	0.0523	0.21
Apr-11	0.0380	0.0453	0.21
May-11	0.0360	0.0410	0.21
Jun-11	0.0260	0.0333	0.21
Jul-11	0.0250	0.0290	0.21
Aug-11	0.0140	0.0217	0.21
Sep-11	0.0130	0.0173	0.21
Oct-11	0.0300	0.0190	0.21
Nov-11	0.0330	0.0253	0.21
Dec-11	0.0300	0.0310	0.21
Jan-12	0.0070	0.0233	0.21
Feb-12	0.0000	0.0123	0.21
Mar-12	0.0390	0.0153	0.21
Apr-12	0.0490	0.0293	0.21
May-12	0.0450	0.0443	0.21
Jun-12	0.0580	0.0507	0.21
Jul-12	0.0650	0.0560	0.21
Aug-12	0.0560	0.0597	0.21
Sep-12	0.0490	0.0567	0.21
Oct-12	0.0480	0.0510	0.21
Nov-12	0.0340	0.0437	0.21
Dec-12	0.0350	0.0390	0.21



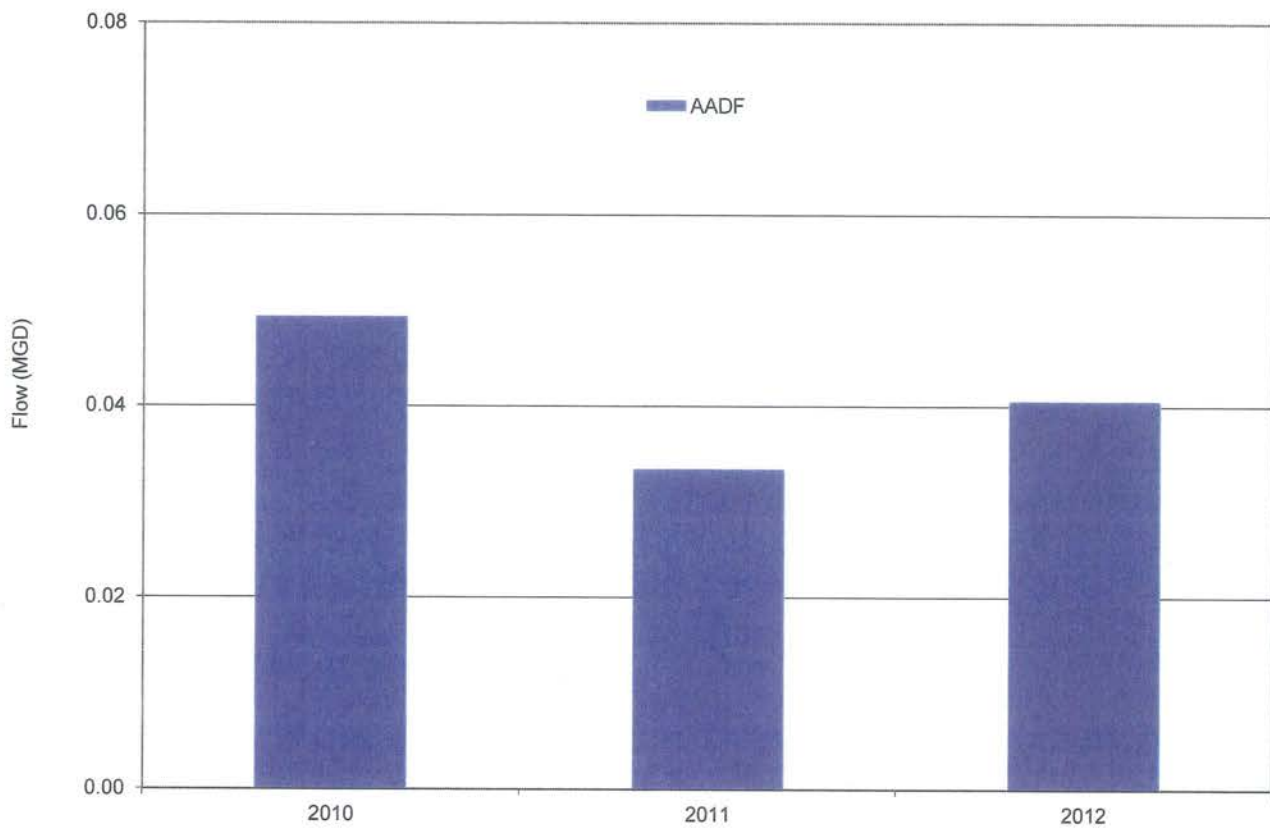


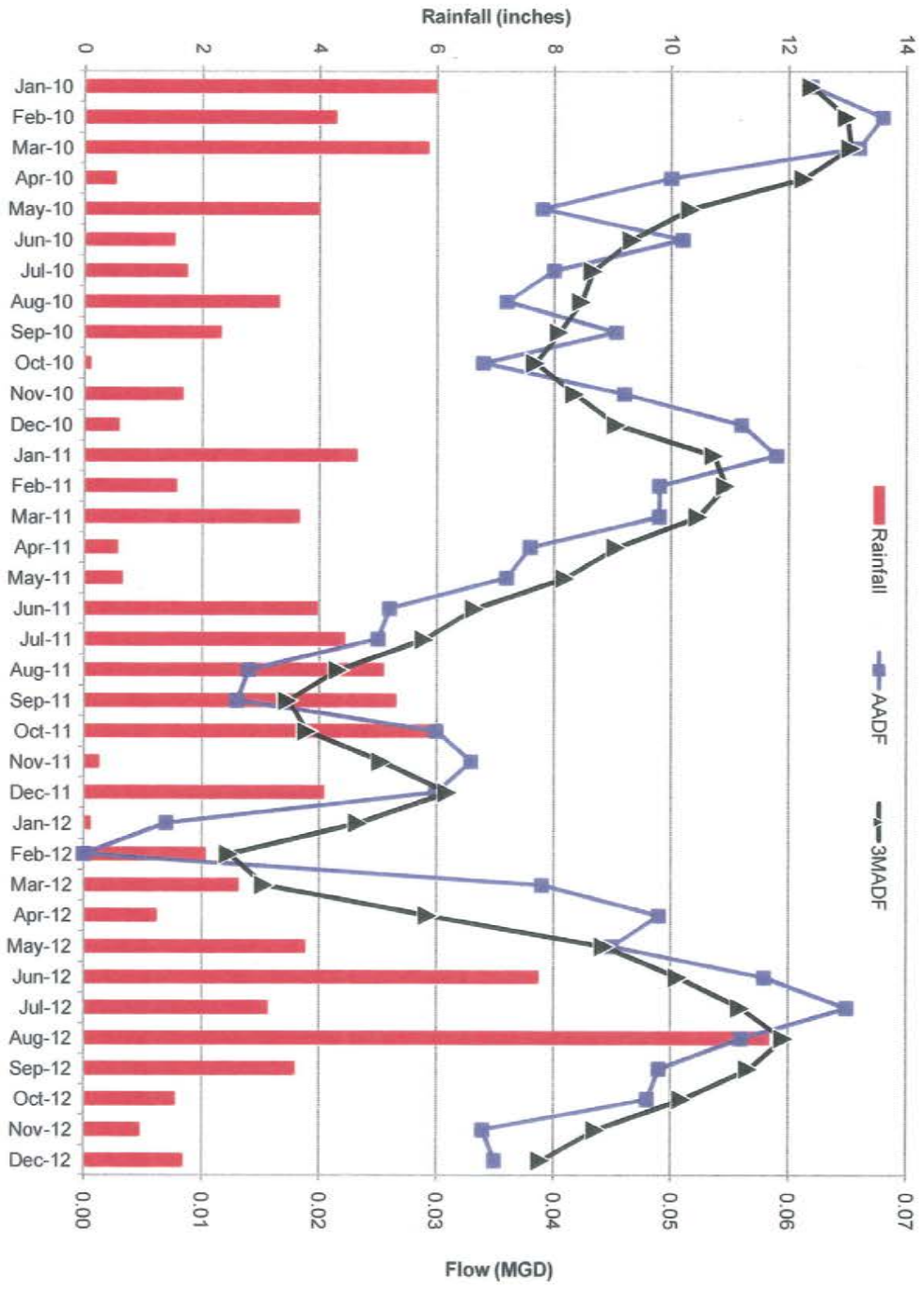
**Table 2-2  
Annual Average Daily Flows**

<b>Year</b>	<b>Annual Average Daily Flow (MGD)</b>
2010	0.0493
2011	0.0334
2012	0.0406

**Table 2-3  
Seasonal Variations in Flow**

<b>Year</b>	<b>Month of Maximum 3-Month Average Daily Flow</b>	<b>Ratio of Maximum Three-Month Average Daily Flow to Annual Average Daily Flow</b>
2010	February	1.325
2011	December	1.635
2012	February	1.471
<b>Average</b>		<b>1.477</b>







## 2.4 Flow and Loading Information

Currently, the WWTF disposes effluent to a rapid infiltration basin site. The effluent quality requirements are listed in **Table 2-4**.

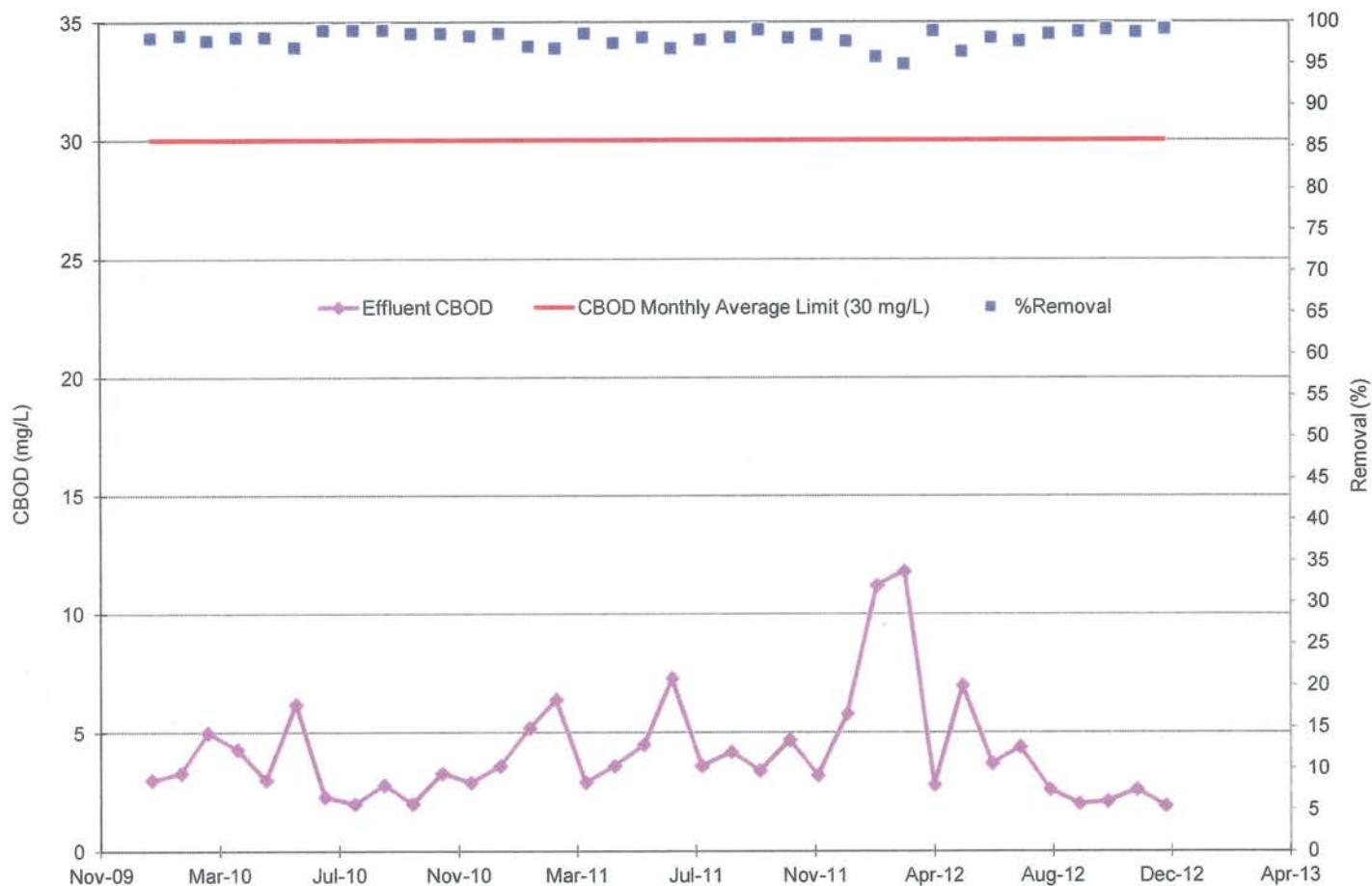
**Table 2-4**  
**Effluent Requirements**

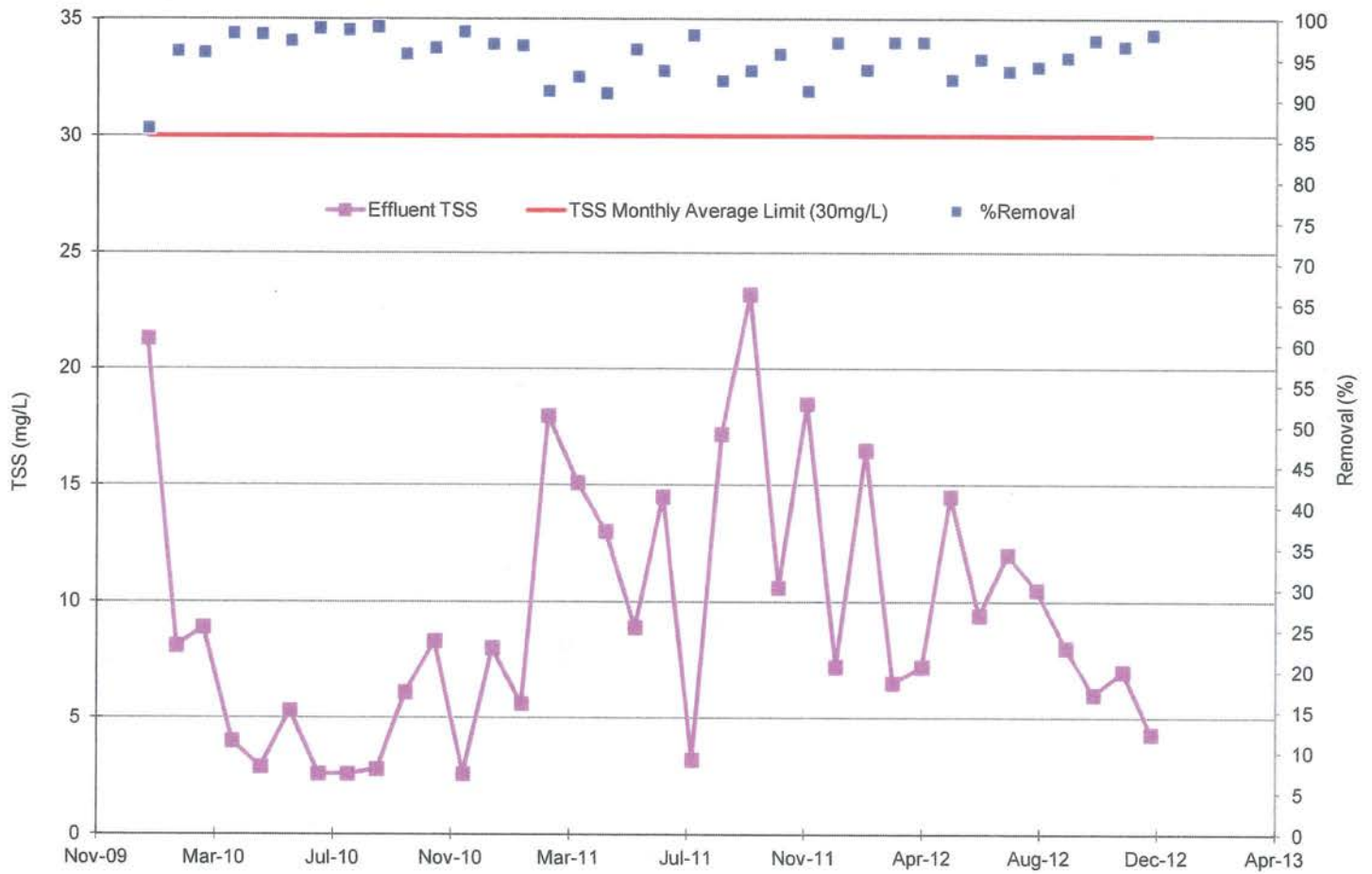
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Samples
CBOD <sub>5</sub>	mg/L	Maximum	20.0	30.0	45.0	60.0
TSS	mg/L	Maximum	20.0	30.0	45.0	60.0
pH	SU	Range	-	-	-	6.0-8.5
Coliform, Fecal	#/100mL	Maximum	200	-	-	800
Total Residual Chlorine (For Disinfection)	mg/L	Minimum	-	-	-	0.5
Nitrogen, Nitrate, Total (as N)	mg/L	Maximum	-	-	-	12.0

According to effluent quality data as shown in **Figures 2-5, 2-6 and 2-7**, the WWTF has successfully provided wastewater treatment. In general, the WWTF has produced an effluent with less than 30 mg/L of CBOD<sub>5</sub> and TSS on a monthly average basis, and less than 20 mg/L on an AADF basis, complying with permit requirements. Total Nitrate in effluent is also in compliant with the permit requirement.

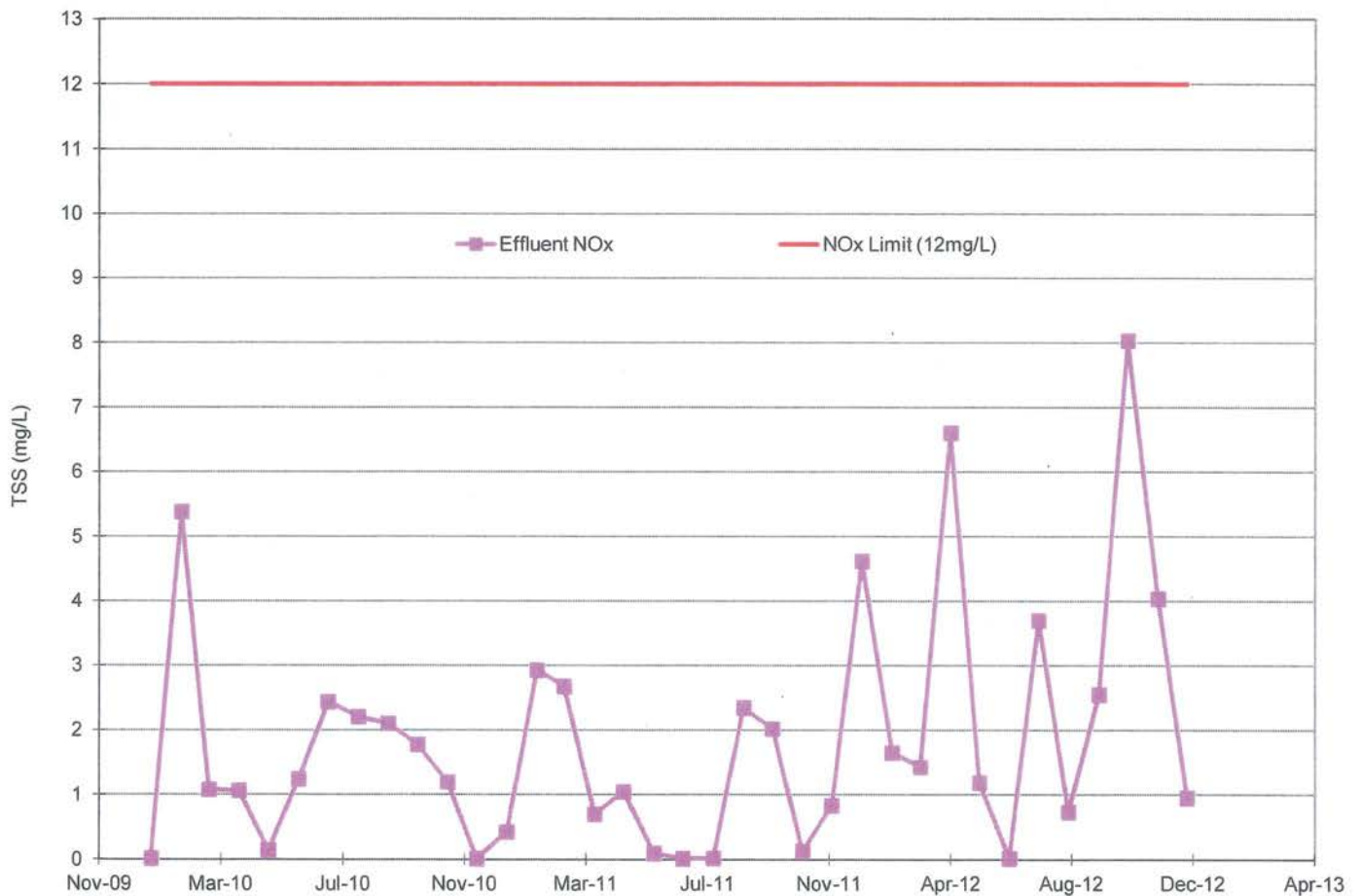
The WWTF is only required to report influent CBOD<sub>5</sub> and TSS annually. Therefore, there is limited information available to quantify the percent removal of CBOD<sub>5</sub> and TSS during the complete operating period. During last three years, the average influent CBOD<sub>5</sub> and TSS concentrations were 218 mg/L and 239 mg/L, respectively. These numbers are within normal ranges for domestic wastewater. The average percent removal was above 98 percent for CBOD<sub>5</sub> and over 95 percent for TSS.

Total fecal coliform bacteria and total residual chlorine (after disinfection), and pH are also required to be monitored. **Tables 2-5 through 2-7** present the loading information and these parameters concentrations in the effluent for the WWTF between 2010 and 2012. Generally, the effluent concentrations of these parameters have stayed within the permit requirements. The trend observed for these parameters is neither decreasing nor increasing and they are expected to continue with the observed fluctuations throughout the duration of the requested permit period.









**Table 2-5**  
**2012 Flow and Water Quality Data Yearly Summaries**

Parameter	Units	Permit Limits <sup>AA</sup>	Date											
			Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Plant Flow Data														
Annual ADF	MGD		0.029	0.025	0.024	0.025	0.026	0.029	0.032	0.036	0.039	0.040	0.040	0.041
Monthly (ADF)	MGD		0.007	0.000	0.039	0.049	0.045	0.058	0.065	0.056	0.049	0.048	0.034	0.035
3 Month (ADF)	MGD	0.21	0.023	0.012	0.015	0.029	0.044	0.051	0.056	0.060	0.057	0.051	0.044	0.039
TMADF/Capacity	%	100	11.11	5.87	7.30	13.97	21.11	24.13	26.67	28.41	26.98	24.29	20.79	18.57
Water Quality														
CBOD (I)	mg/L	NA	257	269.5	233.5	259.5	198	196	190.5	181.5	172.5	236	213.5	230.5
CBOD (E)	mg/L	30	5.8	11.2	11.8	2.8	7.0	3.7	4.4	2.6	2.0	2.1	2.6	1.9
CBOD (% Rem)	%	NA	97.74	95.84	94.95	98.92	96.46	98.11	97.69	98.57	98.84	99.11	98.78	99.18
TSS (I)	mg/L	NA	270	265	260	260	195	178	340	250	245	295	295	235
TSS (E)	mg/L	30	7.2	16.5	6.5	7.2	14.5	9.4	12.0	10.5	8.0	6.0	7.0	4.3
TSS (% Rem)	%	NA	97.33	93.77	97.50	97.23	92.56	94.72	96.47	95.80	96.73	97.97	97.63	98.17
pH (avg)	SU	6.0 - 8.5 <sup>SS</sup>	7.2	7.2	7.2	7.2	7.2	7.3	7.1	7.2	7.2	7.3	7.3	7.2
TRC for disinfection (min)	mg/L	0.5 <sup>SS</sup>	1.0	1.3	1.2	1.1	1.0	1.1	1.1	0.9	0.9	0.9	1.0	1.0
Fecal Coliform	#/100 mL	200/100 mL	1.0	16.2	1.0	65.2	30.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Nitrogen, Nitrate, Total (as N)	mg/L	12	4.6	1.7	1.4	6.6	1.2	0.0	3.7	0.7	2.6	8.0	4.0	1.0

ADF= Average Daily Flow  
MGD = Million gallons per day  
AA = Annual Average  
SS = Single Sample per Permit

mg/L = Milligrams per Liter  
SU = Standard Units  
mL = Milliliter  
NA = Not available - sample not taken

**Table 2-6**  
**2011 Flow and Water Quality Data Yearly Summaries**

Parameter	Units	Permit Limits <sup>AA</sup>	Date											
			Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Plant Flow Data														
Annual ADF	MGD		0.049	0.048	0.046	0.045	0.045	0.043	0.042	0.040	0.037	0.037	0.036	0.033
Monthly (ADF)	MGD		0.059	0.049	0.049	0.038	0.036	0.026	0.025	0.014	0.013	0.030	0.033	0.030
3 Month (ADF)	MGD	0.21	0.054	0.055	0.052	0.045	0.041	0.033	0.029	0.022	0.017	0.019	0.025	0.031
TMADF/Capacity	%	100	25.56	26.03	24.92	21.59	19.52	15.87	13.81	10.32	8.25	9.05	12.06	14.76
Water Quality														
CBOD (I)	mg/L	NA	270	177	205	216	144	246	233	169	229.5	372	252.5	211
CBOD (E)	mg/L	30	3.6	5.2	6.4	2.9	3.6	4.5	7.3	3.6	4.2	3.4	4.7	3.2
CBOD (% Rem)	%	NA	98.67	97.06	96.88	98.66	97.50	98.17	96.87	97.87	98.17	99.09	98.14	98.48
TSS (I)	mg/L	NA	205	265	209	230	227.5	134.5	257.5	272.5	262.5	522.5	255	240
TSS (E)	mg/L	30	8.0	5.6	18.0	15.1	13.0	8.9	14.5	3.2	17.2	23.2	10.6	18.5
TSS (% Rem)	%	NA	96.10	97.89	91.39	93.43	94.29	93.38	94.37	98.83	93.45	95.56	95.84	92.29
pH (avg)	SU	6.0 - 8.5 <sup>SS</sup>	7.2	7.3	7.2	7.2	7.3	7.3	7.2	7.1	7.2	7.3	7.2	7.2
TRC for disinfection (min)	mg/L	0.5 <sup>SS</sup>	0.9	0.9	1.0	0.9	1.2	1.2	1.2	1.2	1.0	1.0	1.0	0.9
Fecal Coliform	#/100 mL	200/100 mL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1800	1.0	1.0
Nitrogen, Nitrate, Total (as N)	mg/L	12	0.42	2.93	2.68	0.70	1.05	0.10	0.02	0.02	2.35	2.02	0.13	0.83

ADF= Average Daily Flow

MGD = Million gallons per day

AA = Annual Average

SS = Single Sample per Permit

mg/L = Milligrams per Liter

SU = Standard Units

mL = Milliliter

NA = Not available - sample not taken



**Table 2-7**  
**2010 Flow and Water Quality Data Yearly Summaries**

Parameter	Units	Permit Limits <sup>AA</sup>	Date											
			Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Plant Flow Data														
Monthly (ADF)	MGD		0.062	0.068	0.066	0.050	0.039	0.051	0.040	0.036	0.045	0.034	0.046	0.056
3 Month (ADF)	MGD	0.21	0.062	0.065	0.065	0.061	0.052	0.047	0.043	0.042	0.040	0.038	0.042	0.045
TMADF/Capacity	%	100	29.52	30.95	31.11	29.21	24.60	22.22	20.63	20.16	19.25	18.30	19.89	21.59
Water Quality														
CBOD (I)	mg/L	NA	160	210	223	239	163	206	244	206	295	146	241	174
CBOD (E)	mg/L	30	3.0	3.3	5.0	4.3	3.0	6.2	2.3	2.0	2.8	2.0	3.3	3
CBOD (% Rem)	%	NA	98.13	98.43	97.76	98.20	98.16	96.99	99.06	99.03	99.05	98.63	98.63	98.33
TSS (I)	mg/L	NA	148	220	154	113	177	138	180	200	507	230	218	149
TSS (E)	mg/L	30	21.3	8.1	8.9	4.0	2.9	5.3	2.6	2.6	2.8	6.1	8.3	3
TSS (% Rem)	%	NA	85.61	96.32	94.22	96.46	98.36	96.16	98.56	98.70	99.45	97.35	96.18	98.25
pH (avg)	SU	6.0 - 8.5 <sup>SS</sup>	7.2	7.2	7.3	7.3	7.2	7.2	7.2	7.2	7.3	7.3	7.2	7.2
TRC for disinfection (min)	mg/L	0.5 <sup>SS</sup>	0.9	1.0	1.0	1.3	1.1	1.1	1.1	1.2	1.1	1.1	1.0	0.9
Fecal Coliform	#/100 mL	200/100 mL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Nitrogen, Nitrate, Total (as N)	mg/L	12	0.02	5.38	1.08	1.06	0.14	1.24	2.44	2.21	2.11	1.78	1.19	0.01

ADF= Average Daily Flow  
MGD = Million gallons per day  
AA = Annual Average  
SS = Single Sample per Permit

mg/L = Milligrams per Liter  
SU = Standard Units  
mL = Milliliter  
NA = Not available - sample not taken

### 3.0 FUTURE CONDITIONS

The Seabridge wastewater treatment facility (WWTF) currently provides wastewater services to approximately 410 residential units and 175 condominium units for a total of 585 customers in the Seabridge service area. The average daily flow during the period of January 2010 to December 2012 was 0.041 MGD. The maximum daily flow was 0.15 MGD in February 2010.

According to the code in Volusia County, 284 gpd wastewater flow is for one equivalent resident unit (ERU). The estimated wastewater flow:

	Unit	Adjustment	Unit Flow	Subtotal Flow
Single Family House:	410	1	284	116,440
Condominium:	175	0.5	284	24,850
			Total Flow:	141,290 gpd

The estimated wastewater flow according to the code in the County is therefore 141,290 gpd, which is approximately 78% of the permitted capacity of Seabridge facility. However, the recent actual average annual daily flow (0.041 MGD = 41,000 gpd) is much less than the estimated wastewater flow based on the code and is only at about 23% of the permitted plant capacity. This is because of the low occupancy of the houses in the area.

### 4.0 SUMMARY OF CONCLUSIONS

Based on the analysis described above, it is projected that the TMADF at the Seabridge WWTF will not exceed the presently permitted capacity by the year 2020. There is no recommendation for any expansion.

## APPENDIX A

### Sludge Hauling Records

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## JOB INVOICE

92078

HOLLY HILL, FLORIDA 32117 (386) 253-4123 FAX (386) 253-1780		CUSTOMER'S ORDER NO. ORDER TAKEN BY	DATE ORDERED DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
BILL TO ADDRESS CITY		PHONE MECHANIC HELPER	
JOB NAME AND LOCATION DESCRIPTION OF WORK		<input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input type="checkbox"/> EXTRA	

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
			580.00
			\$ 1168.00 PO. 11/13/12
			TOTAL \$ 26
Payment is due upon receipt of this invoice. Interest shall accrue on any outstanding balance at the rate of 18% per annum. Should West Essex Plumbing & Septic Services, LLC retain an attorney to collect any monies due, the undersigned shall be responsible for attorney's fees and costs incurred.			
HOURS	LABOR	AMOUNT	TOTAL MATERIALS
	MECHANICS @		
	HELPERS @		TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE	DATE COMPLETED	TOTAL	580.00





**HERB WEEMS**  
**PLUMBING/SEPTIC TANK SERVICES, LLC**  
 1010 Tenth Street  
 HOLLY HILL, FLORIDA 32117  
 (386) 253-4133  
 FAX (386) 253-1780

**JOB INVOICE**

**92547**

*Plumbing*

CUSTOMER'S ORDER NO.	DATE ORDERED
ORDER TAKEN BY	DATE PROMISED
DECISION	
HELPER	

BILL TO: *W. Penicula Utilities*  
 ADDRESS: *(Seabridge)*  
 CITY:  
 JOB NAME AND LOCATION:  
 DESCRIPTION OF WORK:  
☒ DAY WORK  
☐ CONTRACT  
☐ EXTRA

*P/O 1 Load FROM W.W.T.P.*

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
	4000 gallon	145"	\$580.00
<i>Chk 8597</i> <i>2/15/11</i>			
<i>Truck # 26</i> Represent to user upon receipt of this job invoice. Interest shall accrue on any outstanding balance at the rate of 18% per annum. Should Herb Weems Plumbing/Septic Services, LLC retain an attorney to collect any monies due, the undersigned shall be responsible for attorney's fees and costs incurred.			
HOURS	LABOR	AMOUNT	TOTAL
	MECHANICS	0	TOTAL MATERIALS
	HELPERS	0	TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE		DATE COMPLETED	TOTAL
		11/15/2011	





92809

SIGNATURE	DATE COMPLETED	TOTAL
	12/16/2011	3000



92817

[illegible]



# JOB INVOICE

**HERB WEEMS**  
**PLUMBING/SEPTIC SERVICES, LLC**  
 1010 Tenth Street  
 HOLLY HILL, FLORIDA 32117  
 (386) 263-4133  
 FAX (386) 263-1780

*Scott* **93534**

BILL TO:	<i>W. P. [unclear] [unclear]</i>	CUSTOMER'S ORDER NO.	DATE ORDERED
ADDRESS	<i>[unclear]</i>	ORDER TAKEN BY	DATE PROMISED: <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
CITY		PHONE	
JOB NAME AND LOCATION	<i>Lift Station - John Anderson</i>	MECHANIC	
DESCRIPTION OF WORK		HELPER	
		<input type="checkbox"/> DAY WORK	
		<input type="checkbox"/> CONTRACT	
		<input type="checkbox"/> EXTRA	
<b>CLEANUP SPI 110 AT 3542</b>			
<b>IRON ANDERSON ALSO CLEANUP</b>			

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
	LIFT STATION INW ANDERSON		
	LIFT STATION AT		
	<del>SPRINKLER</del>		
	<i>SPRINKLER</i>		<i>175.00</i>
	SPI 110		250.00
	LIFT STATION # 1		200.00
	LIFT STATION # 2		200.00
			<b>650.00</b>

*Truck # 26*  
 Payment in full upon receipt of this job invoice.  
 Interest shall accrue on any outstanding balance at  
 the rate of 15% per annum. Should Herb Weems  
 Plumbing/Septic Services, LLC refuse or attempt to  
 collect any monies due, the undersigned shall be  
 responsible for attorney's fees and costs incurred.

HOURS	LABOR	AMOUNT	TOTAL MATERIALS
	MECHANICS	0	
	HELPERS	0	
			TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE		DATE COMPLETED	TOTAL
		<i>16/12/12</i>	

**HERB WEEMS**  
**PLUMBING/SEPTIC SERVICES, LLC**  
1010 Tenth Street  
HOLLY HILL, FLORIDA 32117  
(888) 283-4132  
FAX (386) 283-1780

CUSTOMER'S DISTRICT	DATE ORDERED
ORDER TAKEN BY	DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
11/1/19	PHONE
	MECHANIC
	HELPER

BILL TO	N. Peninsular Utilities		PHONE	
ADDRESS			MECHANIC	710
CITY			HELPER	
JOB NAME AND LOCATION			<input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT WORK	
DESCRIPTION OF WORK	John Anderson + Seabrook, dog		<input checked="" type="checkbox"/> TESTA	
QUANTITY	175-00		EACH	
DESCRIPTION OF MATERIALS				

QUANT	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
✓	Pls Left 51 at rns	175	350.00

plaintiff is not a proper subject of this type motion. Plaintiff shall receive no jury notwithstanding the fact that the State of New York has agreed to waive its right to a trial by jury in the State of New York. Plaintiff shall receive no jury notwithstanding the fact that the State of New York has agreed to waive its right to a trial by jury in the State of New York. Plaintiff shall receive no jury notwithstanding the fact that the State of New York has agreed to waive its right to a trial by jury in the State of New York.

NOUVE	LABOR	AMOUNT	TOTAL MATERIALS	TOTAL LABOR
	MECHANICS @			
	HELPERS @			
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX	
BURNALIER		DATE COMPLETED	TOTAL	
		3/28/2015		



**HERB WEEMS**  
**PLUMBING/SEPTIC SERVICES, LLC**  
 1010 Fern Street  
 HOLLY HILL, FLORIDA 32117  
 (386) 283-4133  
 FAX (386) 283-1780

**JOB INVOICE**

**93784**

BILL TO <b>N. PENINSULA UTILITIES</b>		CUSTOMER'S ORDER NO.	DATE ORDERED <b>4-5-2012</b>
ADDRESS		ORDER TAKEN BY	DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
CITY <b>O.B.S.</b>		PHONE	
JOB NAME AND LOCATION <b>AT SEABRIDGE</b>		MECHANIC	
DESCRIPTION OF WORK <b>P/O 2 LOADS FROM W.W.T.P</b>		HELPER <b>A.R.</b>	<input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input type="checkbox"/> EXTRA

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
	8100 gallon		1160.00
	8/1 po.		
<p><b>TRUCK # 26</b></p> <p>Payment is due upon receipt of this job invoice. Interest shall accrue on any outstanding balance at the rate of 18% per annum. Should Herb Weems Plumbing/Septic Services, LLC retain an attorney to collect any monies due, the undersigned shall be responsible for attorney's fees and costs incurred.</p>			
HOURS	LABOR	AMOUNT	
	MECHANICS		TOTAL MATERIALS
	HELPERS		TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE		DATE COMPLETED <b>4/5/2012</b>	TOTAL <b>1160.00</b>



**HERD WEENE**  
**PLUMBING/SEPTIC SERVICES, LLC**  
1010 Tenth Street  
HOLLY HILL, FLORIDA 32117  
(386) 252-4133  
FAX (386) 252-1750

DATE? April 93464

HOLLY HILL, FLORIDA 32117 (386) 252-4133 FAX (386) 253-1780		CUSTOMERS ORDER NO. _____ ORDER TAKEN BY _____	DATE PROMISED _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
BILL TO <i>N. Peninsula Utilities</i>	PHONE _____ MECHANIC _____ HELPER _____		
ADDRESS _____ CITY _____	JOB NAME AND LOCATION _____		
DESCRIPTION OF WORK <i>No Surge Packed</i> <i>Stack #1</i>	<input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input type="checkbox"/> EXTRA		

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
	Very heavy slabs used necessary to feed by saddle stone		
	12:00 - 4:00 PM		580.00
	phone 12.		125
			<hr/> 705.00

Payment is due upon receipt of this invoice. Interest shall accrue on any outstanding balance at the Rate of 10% Per Annum. Special Note: Please Inform Plaintiff/Plaintiffs Barrios, LLC within an attorney to collect any overdue due, the undersigned shall be responsible for attorney's fees and costs incurred.

HOURS	LABOR	AMOUNT	TOTAL MATERIALS
	MECHANICS		
	HELPERS		TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE		DATE COMPLETED	TOTAL

**HERB WEEMS**  
**PLUMBING/SEPTIC SERVICES, LLC**  
 1010 Tenth Street  
 HOLLY HILL, FLORIDA 32117  
 (386) 253-4133  
 FAX (386) 253-1780

**JOB INVOICE**

*Date 3 April*

**93883**

BILL TO		CUSTOMER'S ORDER NO.	DATE ORDERED
ADDRESS <i>W. Pleasant Hill</i>		ORDER TAKEN BY	DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
CITY		PHONE	
JOB NAME AND LOCATION		MECHANIC	
DESCRIPTION OF WORK		HELPER	
<i>8/10 Sludge Tank</i> <i>Job # 2</i>		<input type="checkbox"/> DAY WORK	
		<input type="checkbox"/> CONTRACT	
		<input type="checkbox"/> EXTRA	

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
	<i>Very Heavy Sludge</i>		<i>5.00</i>
	<i>Had to pull by</i>		
	<i>Paddle &amp; Hand</i>		
	<i>Puller 1 Hr</i>		<i>1.25</i>
<p>Payment is due upon receipt of this job invoice.          Interest shall accrue on any delinquent balance at the rate of 18% Per Annum. Should Herb Weems Plumbing/Septic Services, LLC retain an attorney to collect any monies due, the undersigned shall be responsible for attorney's fees and costs incurred.</p>			
HOURS	LABOR	AMOUNT	
	MECHANICS	6	TOTAL MATERIALS <i>7.05</i>
	HELPERS	6	TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE	DATE COMPLETED	TOTAL	<i>7.05</i>



93934

10310 HOLLY ST HOLLY HILL, FLORIDA 32117 (386) 283-4138 FAX (386) 283-1780		CUSTOMERS ORDER NO. <u>9-19-12</u> DATE ORDERED	
BILL TO <u>W. Pennington Utilities</u>		ORDER TAKEN BY _____ DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	
ADDRESS _____		PHONE _____	
CITY _____		MECHANIC <u>A.D.</u>	
JOB NAME AND LOCATION <u>Seabridge</u>		HELPER _____ <input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input type="checkbox"/> EXTRA	
DESCRIPTION OF WORK <u>Shore Seagie Boat</u>		<u>2:40 AM</u>	

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
10:00 To	5:00		
2 loads	Big Truck	580 <sup>00</sup>	1160 <sup>00</sup>
<p><b>Truck # 26</b></p> <p>Payment is due upon receipt of this pay invoice. Interest shall accrue on any outstanding balance at the rate of 10% Per Annum. Should there be any disputes, please contact the undersigned at the address below. The undersigned shall be responsible for all work done and costs incurred.</p>			
HOURS	LABOR	AMOUNT	
	MECHANICS	0	TOTAL MATERIALS
	HELPERS	0	TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE		DATE COMPLETED	TOTAL
		4/20/01	1160 <sup>00</sup>



Q

94143

☐ DAY WORK  
☐ CONTRACT  
☐ EXTRA

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
8000 yellow		1/45	1/60.00
<p>OK 8879 11/6/12</p>			
<p>Truck # 26</p> <p>Payment is due upon receipt of this job invoice. Interest shall accrue on any outstanding balance at the rate of 18% Per Annum. Should First Western Printing/Supply Services, LLC retain an attorney to collect any monies due, the undersigned shall be responsible for attorney's fees and costs incurred.</p>			
HOURS	LABOR	AMOUNT	
MECHANICS	0		TOTAL MATERIALS 1/60.00
HELPERS	0		TOTAL LABOR
<p>I hereby acknowledge the satisfactory completion of the above described work.</p>		TOTAL LABOR	TAX
SIGNATURE		DATE COMPLETED	TOTAL
		5/18/2013	1/60.10

**HERB WEENS**  
**PLUMBING/SEPTIC SERVICES, LLC**  
1010 Tenth Street  
HOLLY HILL, FLORIDA 32117  
(386) 253-4133  
FAX (386) 253-1700

**HOLLY HILL, FLORIDA 32117**  
**(386) 253-4133**  
**FAX (386) 253-1700**

CUSTOMER'S ORDER NO. **6119**  
 ORDER TAKEN BY **6119**  
 DATE PROMISED **6/10/20** ☐ A.M. ☒ P.M.  
 PHONE **6119**

BILL TO **North Peninsula Utilities**  
 ADDRESS **Seabridge WWTP**  
 CITY **C**  
 JOB NAME AND LOCATION **Seabridge WWTP**  
 DESCRIPTION OF WORK **P/O 2 LOADS**

MECHANIC ☐  
 HELPER ☐  
☐ DAY WORK  
☐ CONTRACT  
☐ EXTRA

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
2	Truck	580	1160.00
<p><b>12/10/12</b>  <b>PC</b></p>			

**TRUCK # 26**

**Payment is due upon receipt of invoice. Interest shall accrue on any outstanding balance at the rate of 20% per annum. Please note: Seabridge Pumping/Seabridge LLC is not an attorney to collect any money fee, the responsibility shall be responsible for attorney's fees and costs incurred.**

HOURS	LABOR	AMOUNT	TOTAL MATERIALS
	MECHANICS	0	
	HELPERS	0	
			TOTAL LABOR
TOTAL LABOR			TAX

I hereby acknowledge the satisfactory completion of the above described work.

SIGNATURE

DATE COMPLETED

**6/10/20**

TOTAL **1160.00**



(B)

**HERB WEEMS**  
**PLUMBING/SEPTIC SERVICES, LLC**  
1010 Tenth Street  
HOLLY HILL, FLORIDA 32117  
(386) 253-4133  
FAX (386) 253-1780

**JOB INVOICE**

**95717**

CUSTOMERS ORDER NO.		DATE ORDERED
ORDER TAKEN BY		DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
BILL TO <i>N. Pensacola Utilities</i>		PHONE
ADDRESS		MECHANIC
CITY		HELPER
JOB NAME AND LOCATION		<input type="checkbox"/> DAY WORK
DESCRIPTION OF WORK <i>P/O AND CLEANUP</i>		<input type="checkbox"/> CONTRACT
<i>LIFT. STATIONS AT</i>		<input type="checkbox"/> EXTRA

QUANTITY	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
	<i>IRON ANDERSON. AND</i>		
	<i>SEA BRIDGE PLANT</i>		
	<i>175.</i>		
	<i>EACH.</i>		
	<i>Herb</i>		
<p>Payment is due upon receipt of this job invoice. Interest shall accrue on any outstanding balance at the rate of 18% Per Annum. Should Herb Weems Plumbing/Septic Services, LLC retain an attorney to collect any monies due, the undersigned shall be responsible for attorney's fees and costs incurred.</p>			
HOURS	LABOR	AMOUNT	TOTAL MATERIALS
	MECHANICS	<i>John Anderson</i>	<i>175.00</i>
	HELPERS	<i>plant. Seabridge</i>	<i>175.00</i>
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE		DATE COMPLETED	TOTAL
		<i>11/22/02</i>	<i>350.00</i>



# JOB INVOICE

95582

CUSTOMER ORDER NO.	DATE ORDERED:
ORDER TAKEN BY	DATE PROMISED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.

DESCRIPTION OF WORK	QUANTITY	UNIT	PRICE	AMOUNT
CHECK LIFT STATION AT				
THOM ANDERSON X SEP BRIDGE				
ON HAD HOLES AT THOM ANDERSON				

QUANT.	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
DN	X SEABRIDGE DN		
	1230 To 230		

Payment is due upon receipt of this bill invoice.  
Interest shall accrue on any outstanding balance at  
the Rate of 18% Per Annum. Should Herb Weiss  
Phishing/Baiting Services, LLC retain an attorney to  
collect any monies due, the undersigned shall be  
responsible for attorney's fees and costs incurred.

collect any other use, are the contractor's responsibility for obtaining the same and costs involved.		AMOUNT		TOTAL MATERIALS	500
HOURS	LABOR			TOTAL LABOR	210 00
	MECHANICS	105	210 00		
	HELPERS				
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR		TAX	
SIGNATURE		DATE COMPLETED		TOTAL	715 00
		11/26/12			

96244

QUANT	DESCRIPTION OF MATERIAL USED	PRICE	AMOUNT
8000 GALLONS		145 <sup>00</sup>	1160000
<p><b>TOTAL \$ 26</b></p> <p>Payment to date upon receipt of this job order. Interest shall accrue on any outstanding balance at the Rate of 12% Per Annum. Should West Weeks Plumbing/Septic Services, LLC retain an attorney to collect any monies due, the undersigned shall be responsible for attorney's fees and costs incurred.</p>			
HOURS	LABOR	AMOUNT	TOTAL MATERIALS
	MECHANICS	0	116050
	HELPERS	0	TOTAL LABOR
I hereby acknowledge the satisfactory completion of the above described work.		TOTAL LABOR	TAX
SIGNATURE	DATE COMPLETED		TOTAL
	1/27/2012		116000







## APPENDIX B

### Flow Meter Calibration

---

### Open Channel Flow Meter Calibration Report

Barrett Supply, Inc. 8110 Cypress Plaza Dr. #101, Jacksonville, FL 32256 (904)-296-1041

Customer Name: NORTH FLORIDA UTILITIES Date: 3/5/12

Meter ID & Location: Seabridge Effluent

Make & Model: Control Electronics PAS-360 DX

S/N: 212 E-5987 Meter Range: 0-500 GPM

Primary Device: 90° V-Notch Staff Gauge: Installed wrong

Totalizer: X 100 Zero Distance: 44.75

Meter:

Measurement:

44.75 GPM

.275' or 44.53 GPM

17.35 GPM

.19' or 17.66 GPM

9.78 GPM

.15' or 9.777 GPM

2.14 GPM

.082' or 2.17 GPM

1.09 GPM

.0625' or 1.10 GPM

Comments: New Meter Installation. level sensor and adjusted  
sensor distance to application cal fact .988. Meter's  
accuracy is within +/- 1.8 %. Totalizer was tested at  
an average flow of 9.91 GPM for 10 minutes and 5 seconds.  
Totalizer was accurate with 1 count or 100 Gallons.

Staff gauge under by .02 at zero.

Performed by:

Trisha Hanks

[www.gaiconsultants.com](http://www.gaiconsultants.com)

transforming ideas into reality®



## Appendix D

### Effluent Analytical Results

July 12, 2013

Mr. Bob Hillman  
North Peninsula Utilities  
P.O. Box 2803  
Ormond Beach, FL 32174

RE: Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

Dear Mr. Hillman:

Enclosed are the analytical results for sample(s) received by the laboratory on June 25, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Containers were sent to a certified Pace network lab E87605 for 2,3,7,8-TCDD, report attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joe Vondrick

joe.vondrick@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

### Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601  
ACCLASS DOD-ELAP Accreditation #: ADE-1544  
Alabama Certification #: 41590  
Arizona Certification #: AZ0734  
Arkansas Certification  
California/TNI Certification #: 04222CA  
Colorado Certification  
Connecticut Certification #: PH-0694  
Delaware Certification  
Florida/TNI Certification #: E87683  
Guam/PADEP Certification  
Hawaii/PADEP Certification  
Idaho Certification  
Illinois/PADEP Certification  
Indiana/PADEP Certification  
Iowa Certification #: 391  
Kansas/TNI Certification #: E-10358  
Kentucky Certification #: 90133  
Louisiana/TNI Certification #: LA080002  
Louisiana/TNI Certification #: 4086  
Maine Certification #: PA0091  
Maryland Certification #: 308  
Massachusetts Certification #: M-PA1457  
Michigan/PADEP Certification

Missouri Certification #: 235  
Montana Certification #: Cert 0082  
Nevada Certification  
New Hampshire/TNI Certification #: 2976  
New Jersey/TNI Certification #: PA 051  
New Mexico Certification  
New York/TNI Certification #: 10888  
North Carolina Certification #: 42706  
North Dakota Certification #: R-190  
Oregon/TNI Certification #: PA200002  
Pennsylvania/TNI Certification #: 65-00282  
Puerto Rico Certification #: PA01457  
South Dakota Certification  
Tennessee Certification #: TN2867  
Texas/TNI Certification #: T104704188  
Utah/TNI Certification #: ANTE  
Vermont Dept. of Health: ID# VT-0282  
Virgin Island/PADEP Certification  
Virginia/VELAP Certification #: 460198  
Washington Certification #: C868  
West Virginia Certification #: 143  
Wisconsin/PADEP Certification  
Wyoming Certification #: 8TMS-Q

### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174  
Alabama Certification #: 41320  
Arizona Certification #: AZ0735  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maine Certification #: FL01264  
Massachusetts Certification #: M-FL1264  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nevada Certification: FL NELAC Reciprocity  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL765  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
Washington Certification #: C955  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3597950001	Effluent	Water	06/24/13 12:00	06/25/13 16:55

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3597950001	Effluent	EPA 504.1	JLR	2	PASI-O
		EPA 508.1	SMB	21	PASI-O
		EPA 515.3	LJM	7	PASI-O
		EPA 531.1	WFH	3	PASI-O
		EPA 547	WFH	1	PASI-O
		EPA 549.2	WFH	1	PASI-O
		EPA 200.7	JTJ	10	PASI-O
		EPA 200.8	DRS	7	PASI-O
		EPA 245.1	HEA	1	PASI-O
		EPA 525.2	WFH	6	PASI-O
		EPA 548.1	EAO	1	PASI-O
		EPA 524.2	JBH	30	PASI-O
		SM 7110C	JMR	1	PASI-PA
		EPA 903.1	SLA	1	PASI-PA
		EPA 904.0	MAW	1	PASI-PA
		Total Radium Calculation	CMC	1	PASI-PA
		SM 2540C	JNZ	1	PASI-O
		SM 4500-H+B	GMD	2	PASI-O
		SM 5540C	JAL	2	PASI-O
		EPA 300.0	LAJ	3	PASI-O
		EPA 300.0	KHC	3	PASI-O
		EPA 335.4	SOA	1	PASI-O

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

Sample: Effluent		Lab ID: 3597950001	Collected: 06/24/13 12:00	Received: 06/25/13 16:55	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>504.1 GCS EDB and DBCP</b>		Analytical Method: EPA 504.1 Preparation Method: EPA 504.1							
1,2-Dibromo-3-chloropropane	0.0049U	ug/L	0.020	0.0049	1	07/02/13 13:45	07/02/13 21:46	96-12-8	
1,2-Dibromoethane (EDB)	0.0062U	ug/L	0.010	0.0062	1	07/02/13 13:45	07/02/13 21:46	106-93-4	
<b>508.1 GCS Pesticides</b>		Analytical Method: EPA 508.1 Preparation Method: EPA 508.1							
Alachlor	0.034U	ug/L	0.20	0.034	1	06/27/13 10:00	06/27/13 23:25	15972-60-8	
Atrazine	0.021U	ug/L	0.10	0.021	1	06/27/13 10:00	06/27/13 23:25	1912-24-9	
gamma-BHC (Lindane)	0.0030U	ug/L	0.020	0.0030	1	06/27/13 10:00	06/27/13 23:25	58-89-9	
Chlordane (Technical)	0.047U	ug/L	0.20	0.047	1	06/27/13 10:00	06/27/13 23:25	57-74-9	
Endrin	0.0020U	ug/L	0.010	0.0020	1	06/27/13 10:00	06/27/13 23:25	72-20-8	
Heptachlor	0.0060U	ug/L	0.040	0.0060	1	06/27/13 10:00	06/27/13 23:25	76-44-8	
Heptachlor epoxide	0.0030U	ug/L	0.020	0.0030	1	06/27/13 10:00	06/27/13 23:25	1024-57-3	
Hexachlorobenzene	0.011U	ug/L	0.10	0.011	1	06/27/13 10:00	06/27/13 23:25	118-74-1	
Hexachlorocyclopentadiene	0.012U	ug/L	0.10	0.012	1	06/27/13 10:00	06/27/13 23:25	77-47-4	
Methoxychlor	0.014U	ug/L	0.10	0.014	1	06/27/13 10:00	06/27/13 23:25	72-43-5	
PCB-1016 (Aroclor 1016)	0.080U	ug/L	0.10	0.080	1	06/27/13 10:00	06/27/13 23:25	12674-11-2	
PCB-1221 (Aroclor 1221)	0.029U	ug/L	0.10	0.029	1	06/27/13 10:00	06/27/13 23:25	11104-28-2	
PCB-1232 (Aroclor 1232)	0.029U	ug/L	0.10	0.029	1	06/27/13 10:00	06/27/13 23:25	11141-16-5	
PCB-1242 (Aroclor 1242)	0.051U	ug/L	0.10	0.051	1	06/27/13 10:00	06/27/13 23:25	53469-21-9	
PCB-1248 (Aroclor 1248)	0.062U	ug/L	0.10	0.062	1	06/27/13 10:00	06/27/13 23:25	12672-29-6	
PCB-1254 (Aroclor 1254)	0.023U	ug/L	0.10	0.023	1	06/27/13 10:00	06/27/13 23:25	11097-69-1	
PCB-1260 (Aroclor 1260)	0.066U	ug/L	0.10	0.066	1	06/27/13 10:00	06/27/13 23:25	11096-82-5	
PCB, Total	0.080U	ug/L	0.10	0.080	1	06/27/13 10:00	06/27/13 23:25	1336-36-3	
Simazine	0.044U	ug/L	0.070	0.044	1	06/27/13 10:00	06/27/13 23:25	122-34-9	
Toxaphene	0.61U	ug/L	1.0	0.61	1	06/27/13 10:00	06/27/13 23:25	8001-35-2	
<b>Surrogates</b>									
Decachlorobiphenyl (S)	84 %		70-130		1	06/27/13 10:00	06/27/13 23:25	2051-24-3	
<b>515.3 Chlorinated Herbicides</b>		Analytical Method: EPA 515.3 Preparation Method: EPA 515.3							
2,4-D	0.081U	ug/L	0.10	0.081	1	06/27/13 08:40	06/28/13 03:34	94-75-7	
Dalapon	0.89U	ug/L	1.0	0.89	1	06/27/13 08:40	06/28/13 03:34	75-99-0	
Dinoseb	0.16U	ug/L	0.20	0.16	1	06/27/13 08:40	06/28/13 03:34	88-85-7	L3
Pentachlorophenol	0.030U	ug/L	0.040	0.030	1	06/27/13 08:40	06/28/13 03:34	87-86-5	L3
Picloram	0.094U	ug/L	0.10	0.094	1	06/27/13 08:40	06/28/13 03:34	1918-02-1	
2,4,5-TP (Silvex)	0.16U	ug/L	0.20	0.16	1	06/27/13 08:40	06/28/13 03:34	93-72-1	L3
<b>Surrogates</b>									
2,4-DCAA (S)	124 %		70-130		1	06/27/13 08:40	06/28/13 03:34	19719-28-9	
<b>531.1 HPLC Carbamates</b>		Analytical Method: EPA 531.1							
Carbofuran	0.32U	ug/L	2.0	0.32	1		06/29/13 02:22	1563-66-2	
Oxamyl	0.41U	ug/L	2.0	0.41	1		06/29/13 02:22	23135-22-0	
<b>Surrogates</b>									
Propoxur (S)	107 %		80-120		1		06/29/13 02:22	114-26-1	
<b>547 HPLC Glyphosate</b>		Analytical Method: EPA 547							
Glyphosate	2.1U	ug/L	6.0	2.1	1		06/28/13 16:18		L3

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## ANALYTICAL RESULTS

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

Sample: Effluent Lab ID: 3597950001 Collected: 06/24/13 12:00 Received: 06/25/13 16:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>549.2 HPLC Paraquat Diquat</b> Analytical Method: EPA 549.2 Preparation Method: EPA 549.2									
Diquat	0.15U	ug/L	0.40	0.15	1	06/26/13 15:00	06/28/13 20:31	85-00-7	
<b>200.7 MET ICP</b> Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Barium	47.8	ug/L	10.0	5.0	1	06/27/13 04:30	06/27/13 13:19	7440-39-3	
Beryllium	0.50U	ug/L	1.0	0.50	1	06/27/13 04:30	06/27/13 13:19	7440-41-7	
Cadmium	0.50U	ug/L	1.0	0.50	1	06/27/13 04:30	06/27/13 13:19	7440-43-9	
Chromium	2.5U	ug/L	5.0	2.5	1	06/27/13 04:30	06/27/13 13:19	7440-47-3	
Iron	270	ug/L	40.0	20.0	1	06/27/13 04:30	06/27/13 13:19	7439-89-6	
Manganese	27.5	ug/L	5.0	2.5	1	06/27/13 04:30	06/27/13 13:19	7439-96-5	
Nickel	2.5U	ug/L	5.0	2.5	1	06/27/13 04:30	06/27/13 13:19	7440-02-0	
Silver	2.5U	ug/L	5.0	2.5	1	06/27/13 04:30	06/27/13 13:19	7440-22-4	
Sodium	327000	ug/L	1000	500	1	06/27/13 04:30	06/27/13 13:19	7440-23-5	
Zinc	35.3	ug/L	20.0	10.0	1	06/27/13 04:30	06/27/13 13:19	7440-66-6	
<b>200.8 MET ICPMS</b> Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Aluminum	32.4	ug/L	10.0	5.8	1	06/27/13 04:30	06/27/13 21:24	7429-90-5	
Antimony	0.50U	ug/L	1.0	0.50	1	06/27/13 04:30	06/27/13 21:24	7440-36-0	
Arsenic	0.50U	ug/L	1.0	0.50	1	06/27/13 04:30	06/27/13 21:24	7440-38-2	
Copper	4.7	ug/L	1.0	0.93	1	06/27/13 04:30	06/27/13 21:24	7440-50-8	
Lead	0.50U	ug/L	1.0	0.50	1	06/27/13 04:30	06/27/13 21:24	7439-92-1	
Selenium	0.50U	ug/L	1.0	0.50	1	06/27/13 04:30	06/27/13 21:24	7782-49-2	
Thallium	0.50U	ug/L	1.0	0.50	1	06/27/13 04:30	06/27/13 21:24	7440-28-0	
<b>245.1 Mercury</b> Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	0.10U	ug/L	0.20	0.10	1	06/27/13 06:54	06/27/13 13:55	7439-97-6	
<b>525.2 Base Neutral Extractable</b> Analytical Method: EPA 525.2 Preparation Method: EPA 525.2									
Benzo(a)pyrene	0.019U	ug/L	0.10	0.019	1	06/27/13 10:00	06/28/13 17:45	50-32-8	
bis(2-Ethylhexyl)adipate	0.38U	ug/L	1.6	0.38	1	06/27/13 10:00	06/28/13 17:45	103-23-1	
bis(2-Ethylhexyl)phthalate	0.50U	ug/L	2.0	0.50	1	06/27/13 10:00	06/28/13 17:45	117-81-7	
<b>Surrogates</b>									
1,3-Dimethyl-2-nitrobenzene(S)	82 %		70-130		1	06/27/13 10:00	06/28/13 17:45	81209	
Perylene-d12 (S)	105 %		70-130		1	06/27/13 10:00	06/28/13 17:45	1520963	
Triphenylphosphate (S)	112 %		70-130		1	06/27/13 10:00	06/28/13 17:45	115-86-6	
<b>548.1 GCS Endothall</b> Analytical Method: EPA 548.1 Preparation Method: EPA 548.1									
Endothall	2.7U	ug/L	9.0	2.7	1	06/26/13 08:00	07/09/13 19:13		
<b>524.2 MSV</b> Analytical Method: EPA 524.2									
Benzene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	71-43-2	
Bromodichloromethane	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	75-27-4	
Bromoform	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	75-25-2	
Carbon tetrachloride	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	56-23-5	
Chlorobenzene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	108-90-7	
Chloroform	1.0	ug/L	0.50	0.25	1		07/03/13 23:11	67-66-3	

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## ANALYTICAL RESULTS

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

Sample: Effluent Lab ID: 3597950001 Collected: 06/24/13 12:00 Received: 06/25/13 16:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV</b> Analytical Method: EPA 524.2									
Dibromochloromethane	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	124-48-1	
1,2-Dichlorobenzene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	95-50-1	
1,4-Dichlorobenzene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	106-46-7	
1,2-Dichloroethane	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	107-06-2	
1,1-Dichloroethene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	75-35-4	
cis-1,2-Dichloroethene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	156-59-2	
trans-1,2-Dichloroethene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	156-60-5	
1,2-Dichloropropane	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	78-87-5	
Ethylbenzene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	100-41-4	
Methylene Chloride	0.44U	ug/L	0.50	0.44	1		07/03/13 23:11	75-09-2	
Styrene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	100-42-5	
Tetrachloroethene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	127-18-4	
Toluene	3.9	ug/L	0.50	0.25	1		07/03/13 23:11	108-88-3	
Total Trihalomethanes (Calc.)	1.0	ug/L	0.50	0.25	1		07/03/13 23:11		
1,2,4-Trichlorobenzene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	120-82-1	
1,1,1-Trichloroethane	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	71-55-6	
1,1,2-Trichloroethane	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	79-00-5	
Trichloroethene	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	79-01-6	
Vinyl chloride	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	75-01-4	
Xylene (Total)	0.25U	ug/L	0.50	0.25	1		07/03/13 23:11	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85 %		70-130		1		07/03/13 23:11	460-00-4	
Dibromofluoromethane (S)	97 %		70-130		1		07/03/13 23:11	1868-53-7	
Toluene-d8 (S)	120 %		70-130		1		07/03/13 23:11	2037-26-5	
1,2-Dichloroethane-d4 (S)	106 %		70-130		1		07/03/13 23:11	17060-07-0	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C									
Total Dissolved Solids	1600	mg/L	20.0	20.0	1		06/27/13 14:13		
<b>4500H+ pH, Electrometric</b> Analytical Method: SM 4500-H+B									
Temperature, Water (C)	22.0	deg C	0.010	0.010	1		06/27/13 14:32		
pH at 25 Degrees C	7.4	Std. Units	0.10	0.10	1		06/27/13 14:32		Q
<b>5540C MBAS Surfactants</b> Analytical Method: SM 5540C									
LAS Molecular Weight, g/mol	342.0				1		06/26/13 09:47		
MBAS, Calculated as LAS	0.28	mg/L	0.20	0.059	1		06/26/13 09:47		
<b>300.0 IC Anions</b> Analytical Method: EPA 300.0									
Nitrate as N	0.80	mg/L	0.25	0.12	5		06/26/13 10:42	14797-55-8	
Nitrite as N	0.12U	mg/L	0.25	0.12	5		06/26/13 10:42	14797-65-0	
Nitrogen, NO2 plus NO3	0.80	mg/L	0.25	0.12	5		06/26/13 10:42		
<b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0									
Chloride	652	mg/L	50.0	2.5	10		07/01/13 13:29	16887-00-6	
Fluoride	0.62	mg/L	0.25	0.12	5		07/01/13 13:09	16984-48-8	

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## ANALYTICAL RESULTS

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

Sample: Effluent		Lab ID: 3597950001	Collected: 06/24/13 12:00	Received: 06/25/13 16:55	Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0								
Sulfate	42.5	mg/L	25.0	1.2	5		07/01/13 13:09	14808-79-8	V
<b>335.4 Cyanide, Total</b>	Analytical Method: EPA 335.4 Preparation Method: EPA 335.4								
Cyanide	0.0075	mg/L	0.010	0.0050	1	07/01/13 11:55	07/03/13 09:48	57-12-5	

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: GCSV/8922

Analysis Method: EPA 531.1

QC Batch Method: EPA 531.1

Analysis Description: 531.1 HPLC Carbamate

Associated Lab Samples: 3597950001

METHOD BLANK: 661847

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbofuran	ug/L	0.32U	2.0	06/28/13 17:30	
Oxamyl	ug/L	0.41U	2.0	06/28/13 17:30	
Propoxur (S)	%	87	80-120	06/28/13 17:30	

LABORATORY CONTROL SAMPLE: 661848

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbofuran	ug/L	10	8.8	88	80-120	
Oxamyl	ug/L	10	8.3	83	80-120	
Propoxur (S)	%			88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 661849

661850

Parameter	Units	3598082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Carbofuran	ug/L	0.32U	10	10	8.6	8.8	86	88	80-120	2	20
Oxamyl	ug/L	0.41U	10	10	12.1	11.3	121	113	80-120	7	20 J(M1)
Propoxur (S)	%						83	90	80-120		

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: GCSV/8923 Analysis Method: EPA 547  
QC Batch Method: EPA 547 Analysis Description: 547 HPLC Glyphosate  
Associated Lab Samples: 3597950001

METHOD BLANK: 661852 Matrix: Water  
Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Glyphosate	ug/L	2.1U	6.0	06/28/13 12:10	

LABORATORY CONTROL SAMPLE: 661853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Glyphosate	ug/L	50	69.2	138	70-130	J(L0)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 661854 661855

Parameter	Units	3598082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Glyphosate	ug/L	2.1U	50	50	69.2	69.7	138	139	70-130	.7 30	J(M0)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 661856 661857

Parameter	Units	3598281001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Glyphosate	ug/L	<2.1	50	50	69.0	69.6	138	139	70-130	.9 30	J(M0)

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### QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: MERP/3889

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 3597950001

METHOD BLANK: 660611

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.10U	0.20	06/27/13 13:18	

LABORATORY CONTROL SAMPLE: 660612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660613 660614

Parameter	Units	3597564001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Mercury	ug/L	0.10U	2	2	2.0	2.0	98	100	70-130	2	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660615 660616

Parameter	Units	3598024001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Mercury	ug/L	ND	2	2	2.1	2.0	103	102	70-130	1	20

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: MPRP/13961 Analysis Method: EPA 200.7  
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET  
Associated Lab Samples: 3597950001

METHOD BLANK: 660575

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	5.0U	10.0	06/27/13 12:58	
Beryllium	ug/L	0.50U	1.0	06/27/13 12:58	
Cadmium	ug/L	0.50U	1.0	06/27/13 12:58	
Chromium	ug/L	2.5U	5.0	06/27/13 12:58	
Iron	ug/L	20.0U	40.0	06/27/13 12:58	
Manganese	ug/L	2.5U	5.0	06/27/13 12:58	
Nickel	ug/L	2.5U	5.0	06/27/13 12:58	
Silver	ug/L	2.5U	5.0	06/27/13 12:58	
Sodium	ug/L	500U	1000	06/27/13 12:58	
Zinc	ug/L	10.0U	20.0	06/27/13 12:58	

LABORATORY CONTROL SAMPLE: 660576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	250	241	96	85-115	
Beryllium	ug/L	25	25.4	102	85-115	
Cadmium	ug/L	25	25.4	102	85-115	
Chromium	ug/L	250	254	101	85-115	
Iron	ug/L	2500	2470	99	85-115	
Manganese	ug/L	250	252	101	85-115	
Nickel	ug/L	250	260	104	85-115	
Silver	ug/L	25	26.0	104	85-115	
Sodium	ug/L	12500	12600	101	85-115	
Zinc	ug/L	1250	1260	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660577 660578

Parameter	Units	3598069001		MS		MSD		MS	MSD	% Rec	MSD	% Rec	% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike	Conc.	Result	Conc.	Result	Result		Result	Result			
Barium	ug/L	5.0U	250	250	245	246	97	97	70-130	.2	20				
Beryllium	ug/L	0.50U	25	25	25.4	25.5	102	102	70-130	.4	20				
Cadmium	ug/L	0.50U	25	25	25.5	25.6	102	102	70-130	.5	20				
Chromium	ug/L	2.5U	250	250	255	255	102	102	70-130	.08	20				
Iron	ug/L	37.7 I	2500	2500	2520	2530	99	100	70-130	.2	20				
Manganese	ug/L	3.5 I	250	250	257	258	101	102	70-130	.5	20				
Nickel	ug/L	2.5U	250	250	260	260	104	104	70-130	.1	20				
Silver	ug/L	2.5U	25	25	25.4	25.8	101	103	70-130	2	20				
Sodium	ug/L	2040	12500	12500	14500	14500	99	99	70-130	0	20				
Zinc	ug/L	10.0U	1250	1250	1260	1260	101	101	70-130	0	20				

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: MPRP/13962 Analysis Method: EPA 200.8  
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET  
Associated Lab Samples: 3597950001

METHOD BLANK: 660579 Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	5.8U	10.0	06/27/13 20:40	
Antimony	ug/L	0.50U	1.0	06/27/13 20:40	
Arsenic	ug/L	0.50U	1.0	06/27/13 20:40	
Copper	ug/L	0.93U	1.0	06/27/13 20:40	
Lead	ug/L	0.50U	1.0	06/27/13 20:40	
Selenium	ug/L	0.50U	1.0	06/27/13 20:40	
Thallium	ug/L	0.50U	1.0	06/27/13 20:40	

LABORATORY CONTROL SAMPLE: 660580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	500	505	101	85-115	
Antimony	ug/L	50	48.1	96	85-115	
Arsenic	ug/L	50	49.8	100	85-115	
Copper	ug/L	50	50.8	102	85-115	
Lead	ug/L	50	49.5	99	85-115	
Selenium	ug/L	50	50.6	101	85-115	
Thallium	ug/L	50	49.7	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660581 660582

Parameter	Units	3598069002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Aluminum	ug/L	39.0	500	500	543	546	101	101	70-130	.6	20
Antimony	ug/L	0.50U	50	50	52.8	53.4	106	107	70-130	1	20
Arsenic	ug/L	0.94 I	50	50	54.5	55.2	107	109	70-130	1	20
Copper	ug/L	0.93U	50	50	50.6	51.6	101	103	70-130	2	20
Lead	ug/L	0.50U	50	50	48.7	49.2	97	98	70-130	1	20
Selenium	ug/L	0.50U	50	50	50.9	50.2	102	100	70-130	1	20
Thallium	ug/L	0.50U	50	50	48.8	49.8	98	99	70-130	2	20

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: MSV/9021 Analysis Method: EPA 524.2  
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV  
Associated Lab Samples: 3597950001

METHOD BLANK: 664877 Matrix: Water  
Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	0.25U	0.50	07/03/13 13:50	
1,1,2-Trichloroethane	ug/L	0.25U	0.50	07/03/13 13:50	
1,1-Dichloroethene	ug/L	0.25U	0.50	07/03/13 13:50	
1,2,4-Trichlorobenzene	ug/L	0.25U	0.50	07/03/13 13:50	
1,2-Dichlorobenzene	ug/L	0.25U	0.50	07/03/13 13:50	
1,2-Dichloroethane	ug/L	0.25U	0.50	07/03/13 13:50	
1,2-Dichloropropane	ug/L	0.25U	0.50	07/03/13 13:50	
1,4-Dichlorobenzene	ug/L	0.25U	0.50	07/03/13 13:50	
Benzene	ug/L	0.25U	0.50	07/03/13 13:50	
Bromodichloromethane	ug/L	0.25U	0.50	07/03/13 13:50	
Bromoform	ug/L	0.25U	0.50	07/03/13 13:50	
Carbon tetrachloride	ug/L	0.25U	0.50	07/03/13 13:50	
Chlorobenzene	ug/L	0.25U	0.50	07/03/13 13:50	
Chloroform	ug/L	0.25U	0.50	07/03/13 13:50	
cis-1,2-Dichloroethene	ug/L	0.25U	0.50	07/03/13 13:50	
Dibromochloromethane	ug/L	0.25U	0.50	07/03/13 13:50	
Ethylbenzene	ug/L	0.25U	0.50	07/03/13 13:50	
Methylene Chloride	ug/L	0.44U	0.50	07/03/13 13:50	
Styrene	ug/L	0.25U	0.50	07/03/13 13:50	
Tetrachloroethene	ug/L	0.25U	0.50	07/03/13 13:50	
Toluene	ug/L	0.25U	0.50	07/03/13 13:50	
Total Trihalomethanes (Calc.)	ug/L	0.25U	0.50	07/03/13 13:50	
trans-1,2-Dichloroethene	ug/L	0.25U	0.50	07/03/13 13:50	
Trichloroethene	ug/L	0.25U	0.50	07/03/13 13:50	
Vinyl chloride	ug/L	0.25U	0.50	07/03/13 13:50	
Xylene (Total)	ug/L	0.25U	0.50	07/03/13 13:50	
1,2-Dichloroethane-d4 (S)	%	104	70-130	07/03/13 13:50	
4-Bromofluorobenzene (S)	%	86	70-130	07/03/13 13:50	
Dibromofluoromethane (S)	%	98	70-130	07/03/13 13:50	
Toluene-d8 (S)	%	114	70-130	07/03/13 13:50	

LABORATORY CONTROL SAMPLE & LCSD: 664878

664879

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	5	4.9	5.3	98	105	70-130	7	40	
1,1,2-Trichloroethane	ug/L	5	5.0	5.2	100	105	70-130	4	40	
1,1-Dichloroethene	ug/L	5	4.8	4.8	95	96	70-130	7	40	
1,2,4-Trichlorobenzene	ug/L	5	4.3	4.8	85	96	70-130	12	40	
1,2-Dichlorobenzene	ug/L	5	4.7	4.8	94	97	70-130	3	40	
1,2-Dichloroethane	ug/L	5	5.5	5.0	111	101	70-130	10	40	
1,2-Dichloropropane	ug/L	5	4.9	4.9	99	97	70-130	1	40	

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

LABORATORY CONTROL SAMPLE & LCSD: 664878		664879								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	5	5.2	5.2	104	103	70-130	.4	40	
Benzene	ug/L	5	4.9	5.0	98	99	70-130	1	40	
Bromodichloromethane	ug/L	5	4.9	4.8	99	96	70-130	3	40	
Bromoform	ug/L	5	4.4	4.8	87	97	70-130	10	40	
Carbon tetrachloride	ug/L	5	5.4	4.8	108	97	70-130	11	40	
Chlorobenzene	ug/L	5	4.9	5.0	98	100	70-130	2	40	
Chloroform	ug/L	5	5.0	5.4	100	109	70-130	8	40	
cis-1,2-Dichloroethene	ug/L	5	4.8	4.9	96	99	70-130	3	40	
Dibromochloromethane	ug/L	5	4.3	4.5	86	90	70-130	5	40	
Ethylbenzene	ug/L	5	4.1	4.5	82	91	70-130	10	40	
Methylene Chloride	ug/L	5	4.5	4.9	89	97	70-130	9	40	
Styrene	ug/L	5	3.9	4.3	77	86	70-130	10	40	
Tetrachloroethene	ug/L	5	4.5	4.5	91	91	70-130	.06	40	
Toluene	ug/L	5	4.4	5.6	87	112	70-130	25	40	
Total Trihalomethanes (Calc.)	ug/L	20	18.6	19.6	93	98	70-130	5	40	
trans-1,2-Dichloroethene	ug/L	5	4.6	4.7	93	95	70-130	2	40	
Trichloroethene	ug/L	5	5.1	5.2	101	103	70-130	2	40	
Vinyl chloride	ug/L	5	4.6	4.5	93	89	70-130	4	40	
Xylene (Total)	ug/L	15	12.2	13.0	81	87	70-130	7	40	
1,2-Dichloroethane-d4 (S)	%				104	105	70-130			
4-Bromofluorobenzene (S)	%				97	100	70-130			
Dibromofluoromethane (S)	%				102	103	70-130			
Toluene-d8 (S)	%				91	115	70-130			

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: OEXT/13351 Analysis Method: EPA 504.1  
QC Batch Method: EPA 504.1 Analysis Description: 504 EDB DBCP  
Associated Lab Samples: 3597950001

METHOD BLANK: 663276 Matrix: Water  
Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	07/02/13 18:44	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	07/02/13 18:44	

LABORATORY CONTROL SAMPLE & LCSD: 663277

663278

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.26	0.25	102	100	70-130	2	40	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	0.26	104	105	70-130	.7	40	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 663279

663280

Parameter	Units	3598082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	.44	.44	0.46	0.48	105	109	65-135	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.46	0.48	106	110	65-135	4	40	

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: OEXT/13308

Analysis Method: EPA 508.1

QC Batch Method: EPA 508.1

Analysis Description: 508 GCS Pesticide

Associated Lab Samples: 3597950001

METHOD BLANK: 660665

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alachlor	ug/L	0.034U	0.20	06/27/13 20:04	
Atrazine	ug/L	0.021U	0.10	06/27/13 20:04	
Chlordane (Technical)	ug/L	0.047U	0.20	06/27/13 20:04	
Endrin	ug/L	0.0020U	0.010	06/27/13 20:04	
gamma-BHC (Lindane)	ug/L	0.0030U	0.020	06/27/13 20:04	
Heptachlor	ug/L	0.0060U	0.040	06/27/13 20:04	
Heptachlor epoxide	ug/L	0.0030U	0.020	06/27/13 20:04	
Hexachlorobenzene	ug/L	0.011U	0.10	06/27/13 20:04	
Hexachlorocyclopentadiene	ug/L	0.012U	0.10	06/27/13 20:04	
Methoxychlor	ug/L	0.014U	0.10	06/27/13 20:04	
PCB, Total	ug/L	0.080U	0.10	06/27/13 20:04	
PCB-1016 (Aroclor 1016)	ug/L	0.080U	0.10	06/27/13 20:04	
PCB-1221 (Aroclor 1221)	ug/L	0.029U	0.10	06/27/13 20:04	
PCB-1232 (Aroclor 1232)	ug/L	0.029U	0.10	06/27/13 20:04	
PCB-1242 (Aroclor 1242)	ug/L	0.051U	0.10	06/27/13 20:04	
PCB-1248 (Aroclor 1248)	ug/L	0.062U	0.10	06/27/13 20:04	
PCB-1254 (Aroclor 1254)	ug/L	0.023U	0.10	06/27/13 20:04	
PCB-1260 (Aroclor 1260)	ug/L	0.066U	0.10	06/27/13 20:04	
Simazine	ug/L	0.044U	0.070	06/27/13 20:04	
Toxaphene	ug/L	0.61U	1.0	06/27/13 20:04	
Decachlorobiphenyl (S)	%	90	70-130	06/27/13 20:04	

LABORATORY CONTROL SAMPLE: 660666

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alachlor	ug/L	1	1.2	116	70-130	
Atrazine	ug/L	1.2	1.4	111	70-130	
Endrin	ug/L	.05	0.057	113	70-130	
gamma-BHC (Lindane)	ug/L	.1	0.11	114	70-130	
Heptachlor	ug/L	.2	0.24	118	70-130	
Heptachlor epoxide	ug/L	.1	0.11	114	70-130	
Hexachlorobenzene	ug/L	.5	0.42	85	70-130	
Hexachlorocyclopentadiene	ug/L	.5	0.50	101	70-130	
Methoxychlor	ug/L	.5	0.47	95	70-130	
Simazine	ug/L	.88	0.90	102	70-130	
Decachlorobiphenyl (S)	%			93	70-130	

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			660667		660668								
Parameter	Units	3598092001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike Conc.	Spike Conc.									
Alachlor	ug/L	<0.035	1	1	1.1	1.0	113	103	70-130	9	40		
Atrazine	ug/L	<0.021	1.3	1.3	1.3	1.3	105	104	70-130	1	40		
Endrin	ug/L	<0.0020	.051	.051	0.051	0.040	101	80	70-130	23	40		
gamma-BHC (Lindane)	ug/L	<0.0031	.1	.1	0.11	0.11	111	108	70-130	2	40		
Heptachlor	ug/L	<0.0061	.2	.2	0.24	0.26	117	127	70-130	8	40		
Heptachlor epoxide	ug/L	<0.0031	.1	.1	0.12	0.10	114	103	70-130	10	40		
Hexachlorobenzene	ug/L	<0.011	.51	.51	0.40	0.42	79	83	70-130	5	40		
Hexachlorocyclopentadiene	ug/L	<0.012	.51	.51	0.44	0.48	87	95	70-130	8	40		
Methoxychlor	ug/L	<0.014	.51	.51	0.49	0.50	97	100	70-130	3	40		
Simazine	ug/L	<0.045	.88	.88	0.76	0.75	86	85	70-130	1	40		
Decachlorobiphenyl (S)	%						88	89	70-130		40		

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: OEXT/13313

Analysis Method: EPA 515.3

QC Batch Method: EPA 515.3

Analysis Description: 5153 GCS Herbicides

Associated Lab Samples: 3597950001

METHOD BLANK: 660680

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	ug/L	0.16U	0.20	06/27/13 20:39	
2,4-D	ug/L	0.081U	0.10	06/27/13 20:39	
Dalapon	ug/L	0.89U	1.0	06/27/13 20:39	
Dinoseb	ug/L	0.16U	0.20	06/27/13 20:39	
Pentachlorophenol	ug/L	0.030U	0.040	06/27/13 20:39	
Picloram	ug/L	0.094U	0.10	06/27/13 20:39	
2,4-DCAA (S)	%	127	70-130	06/27/13 20:39	

LABORATORY CONTROL SAMPLE: 660681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	ug/L	1	1.3	132	70-130 J(L0)	
2,4-D	ug/L	.5	0.61	122	70-130	
Dalapon	ug/L	5	6.0	120	70-130	
Dinoseb	ug/L	1	1.4	137	70-130 J(L0)	
Pentachlorophenol	ug/L	.2	0.27	134	70-130 J(L0)	
Picloram	ug/L	.5	0.59	119	70-130	
2,4-DCAA (S)	%			131	70-130 J(S0)	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660772

660773

Parameter	Units	3598082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4,5-TP (Silvex)	ug/L	0.16U			1.3	1.3				1	40
2,4-D	ug/L	0.081U			0.65	0.45					
Dalapon	ug/L	0.89U			7.0	7.7					
Dinoseb	ug/L	0.16U			1.3	1.3				4	40 J(M0)
Pentachlorophenol	ug/L	0.030U			0.33	0.32				2	40 J(M0)
Picloram	ug/L	0.094U			0.60	0.26				78	40 J(M1), J(R1)
2,4-DCAA (S)	%						127	128	70-130		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660774

660775

Parameter	Units	3598131001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4,5-TP (Silvex)	ug/L	<0.16		1	1.1	1.1		114			
2,4-D	ug/L	<0.081	.5	.5	0.60	0.55	121	109	70-130	10	40

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### QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660774 660775											
Parameter	Units	3598131001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Dalapon	ug/L	<0.89	5		6.5	6.5	129		70-130		
Dinoseb	ug/L	<0.16		1	1.3	1.3		130			
Pentachlorophenol	ug/L	<0.030			0.27	0.26				1 40	
Picloram	ug/L	<0.094	.5	.5	0.65	0.66	131	131	70-130	.4 40	J(M1)
2,4-DCAA (S)	%						121	120	70-130		

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: OEXT/13309 Analysis Method: EPA 525.2  
QC Batch Method: EPA 525.2 Analysis Description: 525.2 Base Neutral Extractables  
Associated Lab Samples: 3597950001

METHOD BLANK: 660669 Matrix: Water  
Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)pyrene	ug/L	0.019U	0.10	06/28/13 13:09	
bis(2-Ethylhexyl)adipate	ug/L	0.38U	1.6	06/28/13 13:09	
bis(2-Ethylhexyl)phthalate	ug/L	0.50U	2.0	06/28/13 13:09	
1,3-Dimethyl-2-nitrobenzene(S)	%	99	70-130	06/28/13 13:09	
Perylene-d12 (S)	%	100	70-130	06/28/13 13:09	
Triphenylphosphate (S)	%	108	70-130	06/28/13 13:09	

LABORATORY CONTROL SAMPLE: 660670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	ug/L	.4	0.37	92	70-130	
bis(2-Ethylhexyl)adipate	ug/L	6.4	7.4	116	70-130	
bis(2-Ethylhexyl)phthalate	ug/L	8	9.5	119	70-130	
1,3-Dimethyl-2-nitrobenzene(S)	%			93	70-130	
Perylene-d12 (S)	%			103	70-130	
Triphenylphosphate (S)	%			109	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 660671 660672

Parameter	Units	3598082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Benzo(a)pyrene	ug/L	0.018U	.38	.38	0.34	0.39	88	104	70-130	16	40
bis(2-Ethylhexyl)adipate	ug/L	0.37U	6.1	6.1	5.5	7.0	90	115	70-130	23	40
bis(2-Ethylhexyl)phthalate	ug/L	0.48U	7.6	7.6	6.8	9.0	89	119	70-130	29	40
1,3-Dimethyl-2-nitrobenzene(S)	%						91	84	70-130		
Perylene-d12 (S)	%						101	104	70-130		
Triphenylphosphate (S)	%						115	110	70-130		

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: OEXT/13295

Analysis Method: EPA 548.1

QC Batch Method: EPA 548.1

Analysis Description: 548 GCS Endothall

Associated Lab Samples: 3597950001

METHOD BLANK: 659643

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Endothall	ug/L	2.7U	9.0	07/09/13 18:12	

LABORATORY CONTROL SAMPLE: 659644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endothall	ug/L	50	43.0	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 659645 659646

Parameter	Units	3597798002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Endothall	ug/L	2.7U	50	50	16.5	15.7	33	31	80-120	5 40	J(M1)

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: OEXT/13296

Analysis Method: EPA 549.2

QC Batch Method: EPA 549.2

Analysis Description: 549 HPLC Paraquat Diquat

Associated Lab Samples: 3597950001

METHOD BLANK: 659647

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diquat	ug/L	0.15U	0.40	06/28/13 19:35	

LABORATORY CONTROL SAMPLE: 659648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diquat	ug/L	2	2.5	125	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 659649 659650

Parameter	Units	3597798002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diquat	ug/L	0.15U	2	2	2.1	1.3	104	63	70-130	48	40	J(M1), J(R1)

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch:	WET/19890	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	3597950001		

METHOD BLANK: 660892      Matrix: Water  
Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0U	5.0	06/27/13 14:07	

LABORATORY CONTROL SAMPLE: 660893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	297	99	90-110	

SAMPLE DUPLICATE: 660894

Parameter	Units	3597766003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	796	810	2	20	

SAMPLE DUPLICATE: 660895

Parameter	Units	3598130003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	886	901	2	20	

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### QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: WET/19892      Analysis Method: SM 4500-H+B  
QC Batch Method: SM 4500-H+B      Analysis Description: 4500H+B pH  
Associated Lab Samples: 3597950001

SAMPLE DUPLICATE: 661120

Parameter	Units	3597568001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.3	.1	20	Q
Temperature, Water (C)	deg C	22.0	22.0	0	20	

SAMPLE DUPLICATE: 661121

Parameter	Units	3598024001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.0	6.0	0	20	Q
Temperature, Water (C)	deg C	23.0	23.0	0	20	

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### QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch:	WET/19853	Analysis Method:	SM 5540C
QC Batch Method:	SM 5540C	Analysis Description:	5540C MBAS Surfactants
Associated Lab Samples:	3597950001		

METHOD BLANK: 658871 Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
LAS Molecular Weight, g/mol		0.0		06/25/13 14:54	
MBAS, Calculated as LAS	mg/L	0.059U	0.20	06/25/13 14:54	

LABORATORY CONTROL SAMPLE: 658872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
LAS Molecular Weight, g/mol			342.0			
MBAS, Calculated as LAS	mg/L	.3	0.30	100	90-110	

MATRIX SPIKE SAMPLE: 658874

Parameter	Units	3597803001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
LAS Molecular Weight, g/mol		6840.0		6840.0			
MBAS, Calculated as LAS	mg/L	7.4	6	10.2	47	80-120 M6	

SAMPLE DUPLICATE: 658873

Parameter	Units	3597803001 Result	Dup Result	RPD	Max RPD	Qualifiers
LAS Molecular Weight, g/mol		6840.0	6840.0	0		
MBAS, Calculated as LAS	mg/L	7.4	7.4	0	20	

### REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: WETA/27266

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 3597950001

METHOD BLANK: 658778

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025U	0.050	06/26/13 10:54	
Nitrite as N	mg/L	0.025U	0.050	06/26/13 10:54	
Nitrogen, NO2 plus NO3	mg/L	0.025U	0.050	06/26/13 10:54	

LABORATORY CONTROL SAMPLE: 658779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	4.9	99	90-110	
Nitrite as N	mg/L	5	4.7	93	90-110	
Nitrogen, NO2 plus NO3	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 658780 658781

Parameter	Units	3597837002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Nitrate as N	mg/L	<0.050	10	10	9.4	9.4	94	94	90-110	.8	20 Q
Nitrite as N	mg/L	<0.050	10	10	7.8	8.0	78	80	90-110	2	20 J(M1), Q
Nitrogen, NO2 plus NO3	mg/L	<0.050	20	20	17.2	17.4	86	87	90-110	1	20 J(M1), Q

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 659640 659641

Parameter	Units	3597929001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Nitrate as N	mg/L	3.3	5	5	8.1	8.2	96	97	90-110	.7	20
Nitrite as N	mg/L	0.025U	5	5	3.8	3.8	75	76	90-110	.3	20 J(M1)
Nitrogen, NO2 plus NO3	mg/L	3.3	10	10	11.9	12.0	86	87	90-110	.6	20 J(M1)

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: WETA/27428 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 3597950001

METHOD BLANK: 663003 Matrix: Water  
Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	1.8 I	5.0	07/01/13 11:13	
Fluoride	mg/L	0.025U	0.050	07/01/13 11:13	
Sulfate	mg/L	1.2 I	5.0	07/01/13 11:13	

LABORATORY CONTROL SAMPLE: 663004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.8	94	90-110	
Fluoride	mg/L	5	5.1	101	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 663005 663006

Parameter	Units	3596369001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	164	50	50	215	215	103	103	90-110	.08	20	L
Fluoride	mg/L	1.1	5	5	5.9	5.9	97	97	90-110	.02	20	
Sulfate	mg/L	6.9	50	50	51.3	51.2	89	88	90-110	.2	20	J(M1)

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 663007 663008

Parameter	Units	5082665001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	61.5	50	50	113	113	103	102	90-110	.1	20	L
Fluoride	mg/L	0.34	5	5	5.2	5.2	97	96	90-110	.2	20	
Sulfate	mg/L	44.1	50	50	94.7	94.6	101	101	90-110	.1	20	

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### QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

QC Batch: WETA/27433 Analysis Method: EPA 335.4  
QC Batch Method: EPA 335.4 Analysis Description: 335.4 Cyanide, Total  
Associated Lab Samples: 3597950001

METHOD BLANK: 663049 Matrix: Water  
Associated Lab Samples: 3597950001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	0.0050U	0.010	07/03/13 09:30	

LABORATORY CONTROL SAMPLE: 663050

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.05	0.047	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 663051 663052

Parameter	Units	10233445001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Cyanide	mg/L	ND	.05	.05	0.048	0.048	94	95	90-110	.5 20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 663053 663054

Parameter	Units	3598331001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Cyanide	mg/L	0.0050 U	.05	.05	0.047	0.047	94	92	90-110	2 20	

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## ANALYTICAL RESULTS

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

Sample: Effluent		Lab ID: 3597950001	Collected: 06/24/13 12:00	Received: 06/25/13 16:55	Matrix: Water		
PWS:		Site ID:	Sample Type:				
Parameters	Method	Act ± Unc (MDC)		Units	Analyzed	CAS No.	Qual
Gross Alpha	SM 7110C	2.96U ± 1.58 (2.96)		pCi/L	07/09/13 18:27	12587-46-1	
Radium-226	EPA 903.1	0.620U ± 0.371 (0.620)		pCi/L	07/08/13 12:31	13982-63-3	
Radium-228	EPA 904.0	0.649U ± 0.343 (0.649)		pCi/L	07/08/13 15:22	15262-20-1	
Total Radium	Total Radium Calculation	0.801 ± 0.714 (1.27)		pCi/L	07/10/13 13:20	7440-14-4	

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

QC Batch: RADC/16283

Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1

Analysis Description: 903.1 Radium-226

Associated Lab Samples: 3597950001

METHOD BLANK: 601335

Matrix: Water

Associated Lab Samples: 3597950001

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.366 (0.793)	pCi/L	07/08/13 12:31	

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## QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

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QC Batch:	RADC/16281	Analysis Method:	EPA 9310
QC Batch Method:	EPA 9310	Analysis Description:	9310 Gross Alpha/Beta
Associated Lab Samples:	3597950001		

## REPORT OF LABORATORY ANALYSIS





### QUALITY CONTROL DATA

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

---

QC Batch:	RADC/16284	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
Associated Lab Samples:	3597950001		

---

METHOD BLANK:	601336	Matrix:	Water
Associated Lab Samples:	3597950001		

---

Parameter	Act ± Unc (MDC)	Units	Analyzed	Qualifiers
Radium-228	0.0678 ± 0.263 (0.595)	pCi/L	07/08/13 11:49	

### REPORT OF LABORATORY ANALYSIS

## QUALIFIERS

Project: Seabridge Reuse Analysis

Pace Project No.: 3597950

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty

(MDC) - Minimum Detectable Concentration

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

PASI-PA Pace Analytical Services - Greensburg

### ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
J(S0)	Estimated Value. Surrogate recovery outside laboratory control limits.
L	Off-scale high. Actual value is known to be greater than value given.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
Q	Sample held beyond the accepted holding time.
Q	Sample held beyond the accepted holding time. Analysis initiated more than 15 minutes after sample collection.
V	Indicates that the analyte was detected in both the sample and the associated method blank.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Seabridge Reuse Analysis  
Pace Project No.: 3597950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3597950001	Effluent	EPA 504.1	OEXT/13351	EPA 504.1	GCSV/8950
3597950001	Effluent	EPA 508.1	OEXT/13308	EPA 508.1	GCSV/8916
3597950001	Effluent	EPA 515.3	OEXT/13313	EPA 515.3	GCSV/8917
3597950001	Effluent	EPA 531.1	GCSV/8922		
3597950001	Effluent	EPA 547	GCSV/8923		
3597950001	Effluent	EPA 549.2	OEXT/13296	EPA 549.2	GCSV/8928
3597950001	Effluent	EPA 200.7	MPRP/13961	EPA 200.7	ICP/8896
3597950001	Effluent	EPA 200.8	MPRP/13962	EPA 200.8	ICPM/5565
3597950001	Effluent	EPA 245.1	MERP/3889	EPA 245.1	MERC/3886
3597950001	Effluent	EPA 525.2	OEXT/13309	EPA 525.2	MSSV/4918
3597950001	Effluent	EPA 548.1	OEXT/13295	EPA 548.1	MSSV/4942
3597950001	Effluent	EPA 524.2	MSV/9021		
3597950001	Effluent	SM 7110C	RADC/16346		
3597950001	Effluent	EPA 903.1	RADC/16283		
3597950001	Effluent	EPA 904.0	RADC/16284		
3597950001	Effluent	EPA 9310	RADC/16281		
3597950001	Effluent	Total Radium Calculation	RADC/16364		
3597950001	Effluent	SM 2540C	WET/19890		
3597950001	Effluent	SM 4500-H+B	WET/19892		
3597950001	Effluent	SM 5540C	WET/19853		
3597950001	Effluent	EPA 300.0	WETA/27266		
3597950001	Effluent	EPA 300.0	WETA/27428		
3597950001	Effluent	EPA 335.4	WETA/27433	EPA 335.4	WETA/27490

### REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.  
1700 Elm Street  
Minneapolis, MN 55414  
Phone: 612.607.1700  
Fax: 612.607.6444

**Report Prepared for:**

Joe Vondrick  
PASI Florida  
8 East Tower Circle  
Ormond Beach FL 32174

**REPORT OF  
LABORATORY  
ANALYSIS FOR  
TCDD**

**Report Information:**

**Pace Project #: 10233670**  
**Sample Receipt Date: 06/27/2013**  
**Client Project #: 3597950**  
**Client Sub PO #: N/A**  
**State Cert #: E87605**

**Invoicing & Reporting Options:**

The report provided has been invoiced as a Level 2 2,3,7,8-TCDD Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Emily Hazelroth, your Pace Project Manager.

**This report has been reviewed by:**

July 10, 2013

Emily Hazelroth, Project Manager  
(612) 607-6407  
(612) 607-6444 (fax)  
emily.hazelroth@pacelabs.com

**Report Prepared Date:**

July 9, 2013



**Report of Laboratory Analysis**

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The results relate only to the samples included in this report.



**Pace Analytical Services, Inc.**

1700 Elm Street

Minneapolis, MN 55414

Phone: 612.607.1700

Fax: 612.607.6444

## **DISCUSSION**

This report presents the results from the analysis performed on one sample submitted by a representative of Pace Analytical Services, Inc. The sample was analyzed for the presence or absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) using USEPA Method 1613B. The reporting limits were based on signal-to-noise measurements.

The isotopically-labeled TCDD internal standard in the sample extract was recovered at 85%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native TCDD was based on isotope dilution, the data were automatically corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show that 2,3,7,8-TCDD was not detected, indicating that the sample processing steps were free of background levels of this congener.

Laboratory spike samples were also prepared using clean water that had been fortified with native standard material. The results show that the spiked native TCDD was recovered at 95% with a relative percent difference of 0.0%. These results indicate high degrees of accuracy and precision for these determinations. Matrix spikes were not prepared with the sample batch.

## **REPORT OF LABORATORY ANALYSIS**

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Pace Analytical Services, Inc.  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414

Tel: 612-607-1700  
Fax: 612- 607-6444

## Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
Alabama	40770	Mississippi	MN00064
Alaska	MN00064	Montana	92
Arizona	AZ0014	Nebraska	
Arkansas	88-0680	Nevada	MN_00064_200
California	01155CA	New Jersey (NE	MN002
Colorado	MN00064	New Mexico	MN00064
Connecticut	PH-0256	New York (NEL	11647
EPA Region 5	WD-15J	North Carolina	27700
EPA Region 8	8TMS-Q	North Dakota	R-036
Florida (NELAP	E87605	Ohio	4150
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Indiana	C-MN-01	Tennessee	2818
Iowa	368	Tennessee	02818
Kansas	E-10167	Texas	T104704192-08
Kentucky	90062	Utah (NELAP)	PAM
Louisiana	03086	Virginia	00251
Maine	2007029	Washington	C755
Maryland	322	West Virginia	9952C
Michigan	9909	Wisconsin	999407970
Minnesota	027-053-137	Wyoming	8TMS-Q

## REPORT OF LABORATORY ANALYSIS

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Report No.....10233670

## **Appendix A**

### Sample Management

## Chain of Custody



Workorder: 3597950


Workorder Name: Seabridge Reuse Analysis

Owner Received Date: 6/25/2013 Results Requested By: 7/10/2013

Report To		Subcontract To				Requested Analysis																																			
Joe Vondrick Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700																																							
						2,3,7,8 Dioxin by 1613																																			
						LAB USE ONLY																																			
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Unpreserved	Preserved Containers																																		
1	Effluent	PS	6/24/2013 12:00	3597950001	Water	2																																			
2																																									
3																																									
4																																									
5																																									
Transfers						Released By						Date/Time						Received By						Date/Time						Comments											
1						TS TS						6-26-13 16:00						JAN Pace						6/27/13 1255																	
2																																									
3																																									
Cooler Temperature on Receipt						4.9 °C						Custody Seal Y or N						Received on Ice Y or N						Samples Intact Y or N																	

Please email all results in a NELAC-compliant Florida MDL PDF format to the PM listed above soon as possible.



	Document Name: <b>Sample Condition Upon Receipt Form</b>	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: <b>F-MNL-213-rev.06</b>	Issuing Authority: Pace Minnesota Quality Office

**Sample Condition Upon Receipt**

Client Name: Pace FL

Project #: WO# : 10233670

**WO# : 10233670**



Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client

☐ Commercial ☐ Pace ☐ Other: \_\_\_\_\_

Tracking Number: 541992526390

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☐ No

Optional: Proj. Due Date: \_\_\_\_\_ Proj. Name: \_\_\_\_\_

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: \_\_\_\_\_

Temp Blank? ☒ Yes ☐ No

Thermom. Used: ☐ B88A912167504 ☐ 80512447 ☐ 72337080 Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 4.4

Cooler Temp Corrected (°C): 4.9

Biological Tissue Frozen? ☐ Yes ☒ No

Temp should be above freezing to 6°C

Correction Factor: +5

Date and Initials of Person Examining Contents: 6/27/13SK

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes Date/Time/ID/Analysis Matrix: <u>W7.</u>		
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH>12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
Exceptions: VQA, Coliform, TOC, Oil and Grease, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

**CLIENT NOTIFICATION/RESOLUTION**

Field Data Required? ☐ Yes ☐ No

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

Project Manager Review: SKH

Date: 01 July 2013

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

## Reporting Flags

- A = Reporting Limit based on signal to noise
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Interference present
- J = Estimated value
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- \* = See Discussion

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

## **Appendix B**

### **Sample Analysis Summary**





Pace Analytical Services, Inc.  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414

Tel: 612-607-1700  
Fax: 612-607-6444

### Method 1613B Sample Analysis Results

Client - PASI Florida

Client's Sample ID	EFFLUENT		
Lab Sample ID	3597950001		
Filename	F130705B_17		
Injected By	BAL		
Total Amount Extracted	938 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	06/24/2013 12:00
ICAL ID	F130506	Received	06/27/2013 12:53
CCal Filename(s)	F130705B_03	Extracted	07/02/2013 12:00
Method Blank ID	BLANK-36937	Analyzed	07/05/2013 23:34

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	—	3.9	2,3,7,8-TCDD-13C	2.00	85
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	88

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).  
EMPC = Estimated Maximum Possible Concentration  
RL = Reporting Limit.

ND = Not Detected  
NA = Not Applicable  
NC = Not Calculated

## REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414

Tel: 612-607-1700  
Fax: 612- 607-6444

### Method 1613B Blank Analysis Results

Lab Sample ID	BLANK-36937	Matrix	Water
Filename	F130703A_11	Dilution	NA
Total Amount Extracted	995 mL	Extracted	07/02/2013 12:00
ICAL ID	F130506	Analyzed	07/03/2013 16:20
CCal Filename(s)	F130703A_02	Injected By	SMT

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	—	2.60	2,3,7,8-TCDD-13C	2.00	76
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	76

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).

EMPC = Estimated Maximum Possible Concentration

RL = Reporting Limit

J = Estimated value

## REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc.



Pace Analytical Services, Inc.  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414

Tel: 612-607-1700  
Fax: 612-607-6444

### Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-36938	Matrix	Water
Filename	F130703A_16	Dilution	NA
Total Amount Extracted	1010 mL	Extracted	07/02/2013 12:00
ICAL ID	F130506	Analyzed	07/03/2013 20:09
CCal Filename	F130703A_02	Injected By	SMT
Method Blank ID	BLANK-36937		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	9.5	7.3	14.6	95
2,3,7,8-TCDD-37Cl4	10	7.9	3.7	15.8	79
2,3,7,8-TCDD-13C	100	79	25.0	141.0	79

Cs = Concentration Spiked (ng/mL)  
Cr = Concentration Recovered (ng/mL)  
Rec. = Recovery (Expressed as Percent)  
Control Limit Reference: Method 1613, Table 6, 10/94 Revision  
R = Recovery outside of control limits  
Nn = Value obtained from additional analysis  
\* = See Discussion

### REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414

Tel: 612-607-1700  
Fax: 612- 607-6444

### Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-36939	Matrix	Water
Filename	F130703A_17	Dilution	NA
Total Amount Extracted	989 mL	Extracted	07/02/2013 12:00
ICAL ID	F130506	Analyzed	07/03/2013 20:54
CCal Filename	F130703A_02	Injected By	SMT
Method Blank ID	BLANK-36937		

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	9.5	7.3	14.6	95
2,3,7,8-TCDD-37Cl4	10	7.7	3.7	15.8	77
2,3,7,8-TCDD-13C	100	77	25.0	141.0	77

Cs = Concentration Spiked (ng/mL)  
Cr = Concentration Recovered (ng/mL)  
Rec. = Recovery (Expressed as Percent)  
Control Limit Reference: Method 1613, Table 6, 10/94 Revision  
R = Recovery outside of control limits  
Nn = Value obtained from additional analysis  
\* = See Discussion

### REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414

Tel: 612-607-1700  
Fax: 612-607-6444

### Method 1613B

### Spike Recovery Relative Percent Difference (RPD) Results

Client PASI Florida

Spike 1 ID LCS-36938  
Spike 1 Filename F130703A\_16

Spike 2 ID LCSD-36939  
Spike 2 Filename F130703A\_17

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDD	95	95	0.0

%REC = Percent Recovered

RPD = The difference between the two values divided by the mean value

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant

W0# : 3597950



3597950

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <u>Seabridge</u>		Report To: <u>North Peninsula Utilities</u>		Attention: <u>Nancy</u>	
Address:		Copy To: <u>WTS</u>		Company Name:	
Email To:		Purchase Order No.:		Address:	
Phone: Fax:		Project Name: <u>Seabridge Residue Analysis</u>		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Requested Due Date/TAT:		Project Number:		Site Location: STATE:	
				Pace Quote Reference: <u>5257</u>	


ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE Drinking Water DW Water WI Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other				
					DATE	TIME	DATE	TIME														
1	Effluent	7 Brown glass	G	6/24/13	12:00pm			240	7													
2	Effluent	6 plastic	G	6/24/13	1:00pm			240	6													
3	Effluent	9 Vials	G	6/24/13	12:PM			240	9													
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SAMPLING KIT-EMPTY	<u>M. Kelly</u>	6/20/13	1600				
	<u>S. Kelly</u>	6/24/13	13:30				
	<u>M. Kelly</u>	6/25/13	16:55	<u>D. Aulakoff</u>	6/25/13	16:55	5.9

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YY):					



	Document Name: Sample Condition Upon Receipt Form	Document Revised: September 23, 2011
	Document No.: F-FL-C-007 rev. 04	Issuing Authorities: Pace Florida Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Table Number: \_\_\_\_\_

Client Name: Wetherell Project # 3597950

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace

☐ Other: \_\_\_\_\_

Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other \_\_\_\_\_

Thermometer Used T165 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature °C 5.9 (Visual) 0 (Correction Factor) 5.9 (Actual)

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

Date and Initials of person examining contents: 6-25-13

Receipt of samples satisfactory:

☐ Yes ☐ No

Rush TAT requested on COC:

If yes, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> 2 out of 3 excessive HS

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution (use back for additional comments):

Did not rec 548, used 515

used 501 for 515

Project Manager Review: \_\_\_\_\_

940

Date: \_\_\_\_\_

6-26-13

### Finished Product Information Only

F.P. Sample ID: \_\_\_\_\_

Production Code: \_\_\_\_\_

Date/Time Opened: \_\_\_\_\_

Number of Unopened Bottles Remaining: \_\_\_\_\_

Extra Sample in Shed: Yes ☐ No ☐

### Size & Qty of Bottles Received

☐ x 5 Gal  
☐ x 2.5 Gal  
☐ x 1 Gal  
☐ x 1 Liter  
☐ x 500 mL  
☐ x 250 mL  
☐ x Other: \_\_\_\_\_



Pace Analytical Services, Inc.  
8 East Tower Circle

# BOTTLE ORDER # 23867

6/19/2013 7:43:55 PM

Ormond Beach, FL 32174  
(386) 672-5668

<b>Contact:</b> Mr. Glenn Wetherell <b>Company:</b> Wetherell Treatment Systems <b>Address:</b> 600 Hull Road <b>City, St, Zip:</b> Ormond Beach , FL , 32174 <b>Phone:</b> _____ <b>Ext.</b> _____ <b>Initiator:</b> Jeff Baylor <b>PM:</b> JJV	<b>Ship To:</b> <b>Contact:</b> Mr. Sam Butler <b>Company:</b> City of Ormond Beach WWTP <b>Address:</b> _____ <b>City, St, Zip:</b> _____ , _____ , 32175 <b>Phone:</b> _____ <b>Ext.</b> _____	<b>Return To:</b> <b>Contact:</b> _____ <b>Lab Name:</b> PACE - FL <b>Address:</b> 8 East Tower Circle <b>City, St, Zip:</b> Ormond Beach , FL , 32174 <b>Phone:</b> (386) 672-5668 <b>Ext.</b> _____
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Proj. Description:** Reuse kit **Quote Number:** \_\_\_\_\_ **Profile Number:** 489 5257  
**Needs Bottles by:** 06/21/2013 - **Expected Date Ret:** \_\_\_\_\_ **Shipping Method:** Client P/U - Ormon

<b>Return Shipping Labels</b> <input type="checkbox"/> No Shipper # <input type="checkbox"/> With Shipper #	<b>COC's</b> <input checked="" type="checkbox"/> Blank # 1 <input type="checkbox"/> Preprinted	<b>Bottle Labels</b> <input type="checkbox"/> Blank <input type="checkbox"/> Pre-Printed - With Sample IDs <input checked="" type="checkbox"/> Pre-Printed - No Sample IDs	<b>Bottles</b> <input type="checkbox"/> Boxed Cases <input type="checkbox"/> Individually Wrapped <input checked="" type="checkbox"/> Grouped By Sample ID / Matrix
-------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Misc**  
☐ Sampling Instructions ☐ Coolers:  
☐ Custody Seal ☐ Extra Bubble Wrap ☐ Short Hold / Rush Stickers  
☐ Temp. Blanks ☐ 10 mL Cut-Off Syringes ☐ DI Water 0 Liter(s)

Trip Blank ☐

Qty	Total	Matrix	Method	BottleType	LotNumber	Note
1	2	Water	1613 Dioxin 2,3,7,8-TCDD	2-1L Amber Glass Unpreserved		
1	1	Water	TDS, NO3, NO2, NOX,pH, MBAS	1-1L Plastic Unpreserved		
1	1	Water	ICP Metals	1-250mL Plastic w/ HNO3		
1	1	Water	Cyanide	1-250mL Plastic w/NaOH		
1	2	Water	504.1 EDB/DBCP	2-40mL Clear Glass w/ Sodium Thiosulfate		
1	1	Water	508.1 Organochlorine Pests/PCBs	1-1L Amber Glass w/ Sodium Sulfite & HCL		
1	1	Water	515.3 Chlorinated Herbicides	1-250mL Amber Glass w/ Sodium Thiosulfate		
1	2	Water	525.2 Base Neutral Extractables	2-1L Amber Glass w/ Sodium Sulfite & HCL		
1	2	Water	531.1 Carbamates	2-40mL Clear Glass w/ Sodium Thiosulfate & MCAA		

Notes: for pickup on 6/21/13

RETURN WITH COC

**Hazard Shipping Placard In Place :** NA

\*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with you project manager.

\*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

\*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.

\*Payment term are net 30 days.

\*Please include the proposal number on the chain of custody to insure proper billing.

Shipped Date: \_\_\_\_\_

Shipped By: \_\_\_\_\_

Verified By: \_\_\_\_\_





Pace Analytical Services, Inc.  
8 East Tower Circle

# BOTTLE ORDER # 23867

6/19/2013 7:43:55 PM

Ormond Beach, FL 32174  
(386) 672-5668

<b>Contact:</b> Mr. Glenn Wetherell <b>Company:</b> Wetherell Treatment Systems <b>Address:</b> 600 Hull Road <b>City, St, Zip:</b> Ormond Beach, FL, 32174 <b>Phone:</b> _____ <b>Ext.:</b> _____ <b>Initiator:</b> Jeff Baylor <b>PM:</b> JJV	<b>Ship To:</b> <b>Contact:</b> Mr. Sam Butler <b>Company:</b> City of Ormond Beach WWTP <b>Address:</b> _____ <b>City, St, Zip:</b> _____, 32175 <b>Phone:</b> _____ <b>Ext.:</b> _____	<b>Return To:</b> <b>Contact:</b> _____ <b>Lab Name:</b> PACE - FL <b>Address:</b> 8 East Tower Circle <b>City, St, Zip:</b> Ormond Beach, FL, 32174 <b>Phone:</b> (386) 672-5668 <b>Ext.:</b> _____
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Proj. Description:** Reuse kit **Quote Number:** \_\_\_\_\_ **Profile Number:** 455 **5257**  
**Needs Bottles by:** 06/21/2013 - **Expected Date Ret:** \_\_\_\_\_ **Shipping Method:** Client P/U - Ormon

<b>Return Shipping Labels</b> <input type="checkbox"/> No Shipper # <input type="checkbox"/> With Shipper #	<b>COC's</b> <input checked="" type="checkbox"/> Blank # 1 <input type="checkbox"/> Preprinted	<b>Bottle Labels</b> <input type="checkbox"/> Blank <input type="checkbox"/> Pre-Printed - With Sample IDs <input checked="" type="checkbox"/> Pre-Printed - No Sample IDs	<b>Bottles</b> <input type="checkbox"/> Boxed Cases <input type="checkbox"/> Individually Wrapped <input checked="" type="checkbox"/> Grouped By Sample ID / Matrix
-------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Misc</b> <input type="checkbox"/> Sampling Instructions <input type="checkbox"/> Custody Seal <input type="checkbox"/> Temp. Blanks	<input type="checkbox"/> Coolers: <input type="checkbox"/> Extra Bubble Wrap <input type="checkbox"/> 10 mL Cut-Off Syringes	<input type="checkbox"/> Short Hold / Rush Stickers <input type="checkbox"/> DI Water <sup>0</sup> Liter(s)
-------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------

Trip Blank ☐

1	2	Water	547 Glyphosate	2-40mL Amber Glass w/ Sodium Thiosulfate		
1	1	Water	548 Endothall	1-500mL Amber Glass w/ Sodium Thiosulfate		
1	1	Water	549 Diquat/Paraquat by HPLC	1-1L Amber Plastic w/ Sodium Thiosulfate & H2SO4		
1	3	Water	524.2 Volatile Organic Compounds	3-40mL Clear Glass w/ Ascorbic Acid & HCL		
1	1	Water	Gross Alpha	1-1L Plastic w/ HNO3		
1	2	Water	Radium 226/228	2-1L Plastic w/ HNO3		



Notes: for pickup on 6/21/13

**Hazard Shipping Placard In Place :** NA

\*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with you project manager.

\*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

\*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.

\*Payment term are net 30 days.

\*Please include the proposal number on the chain of custody to insure proper billing.

Shipped Date: \_\_\_\_\_

Shipped By: \_\_\_\_\_

Verified By: \_\_\_\_\_





Pace Analytical Services, Inc.  
8 East Tower Circle

## BOTTLE ORDER # 23867

6/19/2013 7:43:55 PM

Ormond Beach, FL 32174  
(386) 672-5668

<b>Contact:</b> Mr. Glenn Wetherell <b>Company:</b> Wetherell Treatment Systems <b>Address:</b> 600 Hull Road <b>City, St, Zip:</b> Ormond Beach, FL, 32174 <b>Phone:</b> _____ <b>Ext.:</b> _____ <b>Initiator:</b> Jeff Baylor <b>PM:</b> JJV	<b>Ship To:</b> <b>Contact:</b> Mr. Sam Butler <b>Company:</b> City of Ormond Beach WWTP <b>Address:</b> _____ <b>City, St, Zip:</b> _____, 32175 <b>Phone:</b> _____ <b>Ext.:</b> _____	<b>Return To:</b> <b>Contact:</b> _____ <b>Lab Name:</b> PACE - FL <b>Address:</b> 8 East Tower Circle <b>City, St, Zip:</b> Ormond Beach, FL, 32174 <b>Phone:</b> (386) 672-5668 <b>Ext.:</b> _____
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Proj. Description:** Reuse kit **Quote Number:** \_\_\_\_\_ **Profile Number:** 469  
**Needs Bottles by:** 06/21/2013 - **Expected Date Ret:** \_\_\_\_\_ **Shipping Method:** Client P/U - Ormon

<b>Return Shipping Labels</b> <input type="checkbox"/> No Shipper # <input type="checkbox"/> With Shipper #	<b>COC's</b> <input checked="" type="checkbox"/> Blank # 1 <input type="checkbox"/> Preprinted	<b>Bottle Labels</b> <input type="checkbox"/> Blank <input type="checkbox"/> Pre-Printed - With Sample IDs <input checked="" type="checkbox"/> Pre-Printed - No Sample IDs	<b>Bottles</b> <input type="checkbox"/> Boxed Cases <input type="checkbox"/> Individually Wrapped <input checked="" type="checkbox"/> Grouped By Sample ID / Matrix
-------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Misc</b> <input type="checkbox"/> Sampling Instructions <input type="checkbox"/> Custody Seal <input type="checkbox"/> Temp. Blanks	<input type="checkbox"/> Coolers: <input type="checkbox"/> Extra Bubble Wrap <input type="checkbox"/> 10 mL Cut-Off Syringes	<input type="checkbox"/> Short Hold / Rush Stickers <input type="checkbox"/> DI Water 0 Liter(s)
-------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------

Trip Blank ☐

1	2	Water	547 Glyphosate	2-40mL Amber Glass w/ Sodium Thiosulfate		
1	1	Water	548 Endothall	1-500mL Amber Glass w/ Sodium Thiosulfate		
1	1	Water	549 Diquat/Paraquat by HPLC	1-1L Amber Plastic w/ Sodium Thiosulfate & H2SO4		
1	3	Water	524.2 Volatile Organic Compounds	3-40mL Clear Glass w/ Ascorbic Acid & HCL		
1	1	Water	Gross Alpha	1-1L Plastic w/ HNO3		
1	2	Water	Radium 226/228	2-1L Plastic w/ HNO3		

Notes: for pickup on 6/21/13

**Hazard Shipping Placard In Place :** NA

\*Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with you project manager.

\*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

\*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.

\*Payment term are net 30 days.

\*Please include the proposal number on the chain of custody to insure proper billing.

**Shipped Date:** \_\_\_\_\_

**Shipped By:** \_\_\_\_\_

**Verified By:** \_\_\_\_\_

## Chain of Custody



**Workorder: 3597950**

**Workorder Name:**Seabridge Reuse Analysis

Owner Received Date: 6/25/2013 Results Requested By: 7/10/2013

[illegible]

**Please email all results in a NELAC-compliant Florida MDL PDF format to the PM listed above soon as possible.**

## Appendix E

### Maps Depicting Addition Service Area and Existing and Proposed Facilities

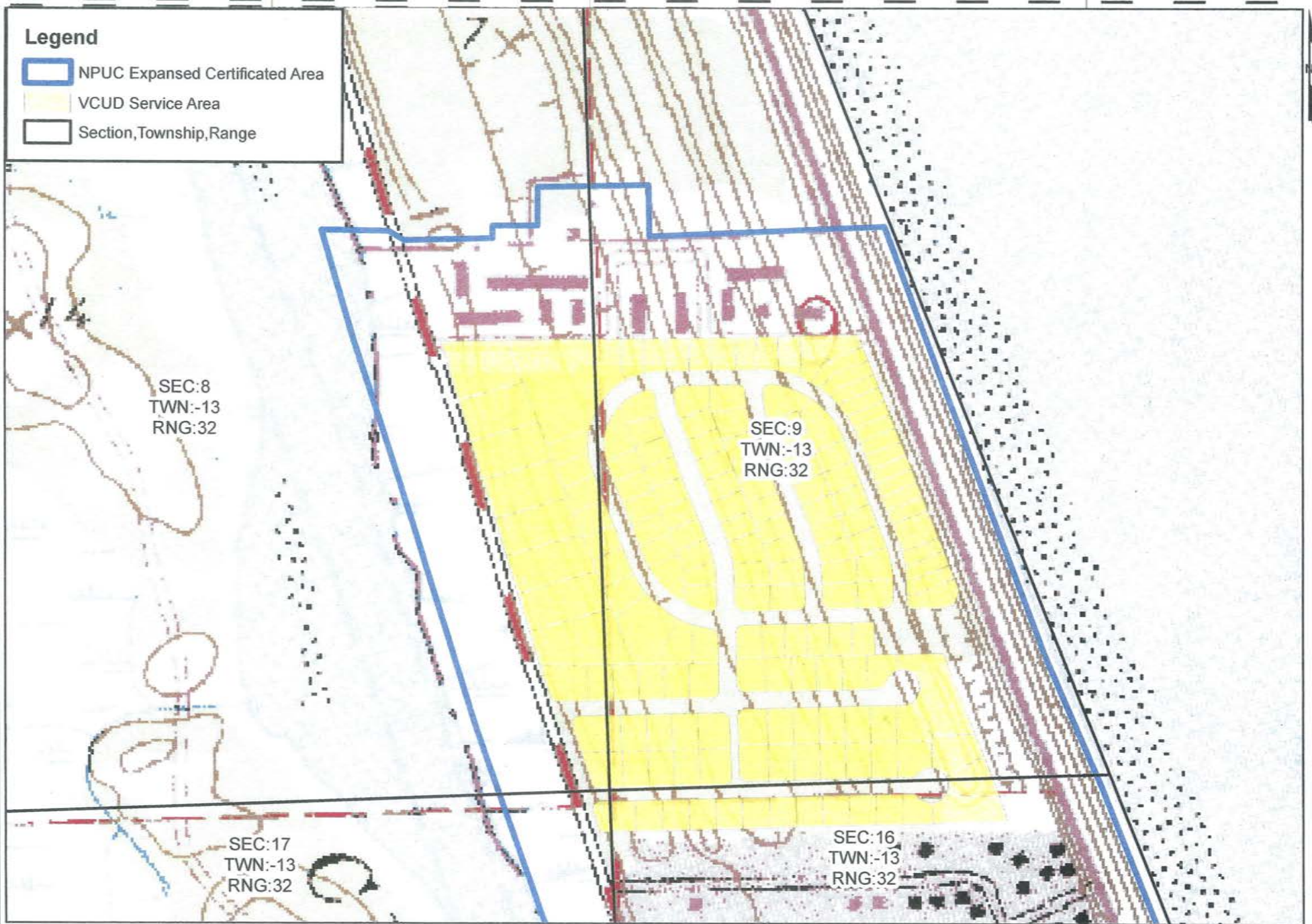


## Appendix E

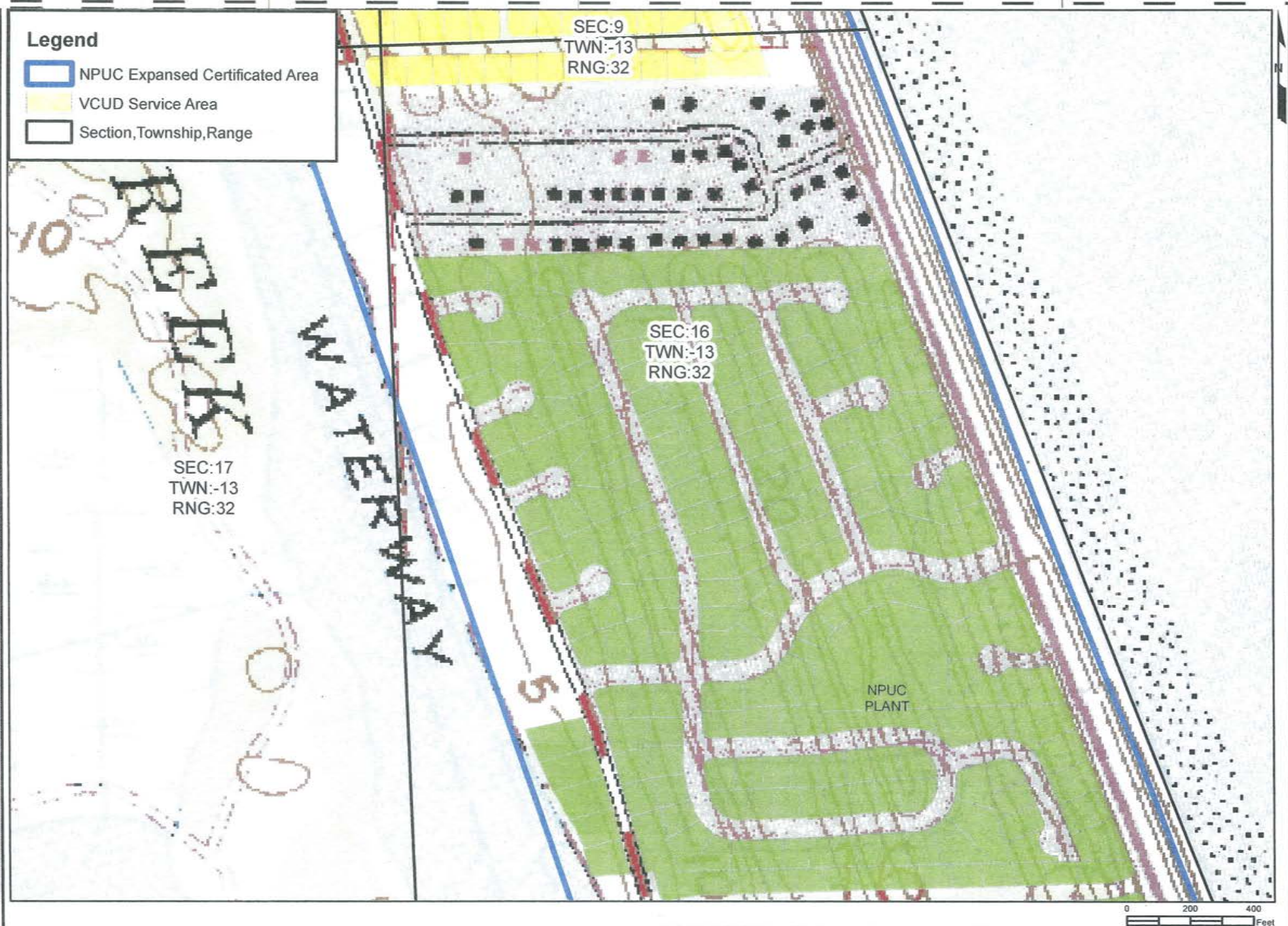
USGS Maps of Expanded Service Area (1" = 400')

### Legend

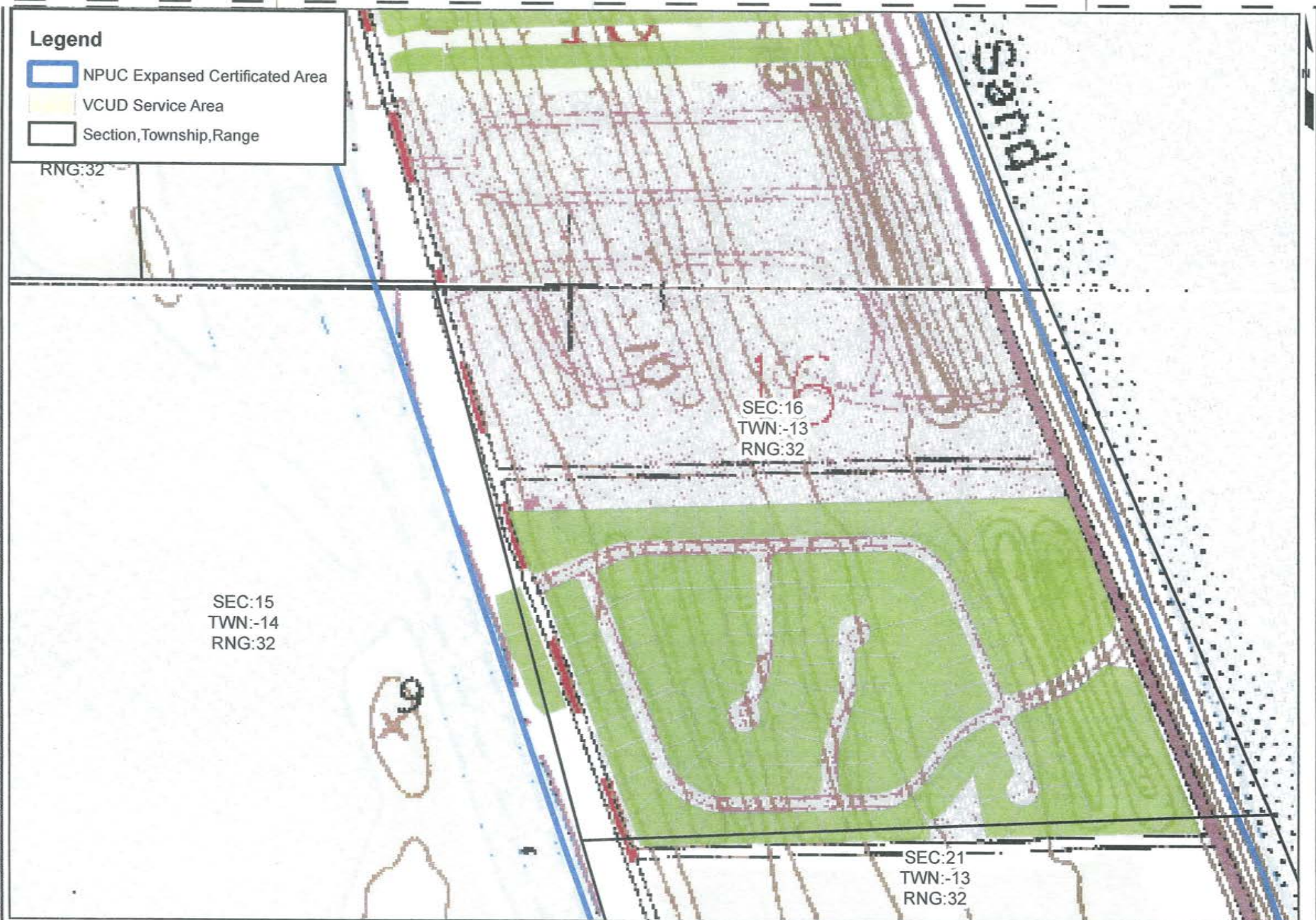
-  NPUC Expanded Certificated Area
-  VCUD Service Area
-  Section, Township, Range













### Legend

-  NPUC Expanded Certificated Area
-  VCUD Service Area
-  Section, Township, Range

SEC:16  
TWN:-13  
RNG:32

SEC:21  
TWN:-13  
RNG:32

SEC:15  
TWN:-14  
RNG:32

0 200 400  
Feet



