



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

AGENDA

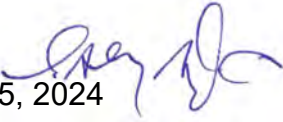
REGULAR MEETING #11-2024

AUGUST 15, 2024 – 7:00 PM AT DISTRICT OFFICES

ALSO, THE MEETING WILL BE AVAILABLE TO THE PUBLIC ONLINE AT:
LOXAHATCHEERIVER.ORG/PUBLICMEETING

1. Call to Order & Pledge of Allegiance
2. Administrative Matters
 - A. Roll Call
 - B. Previous Meeting Minutes [Page 4](#)
 - C. Additions and Deletions to the Agenda
3. Comments from the Public
4. Status Updates
 - A. Loxahatchee River Watershed [Page 10](#)
 - B. Loxahatchee River District Dashboard [Page 11](#)
5. Consent Agenda (see next page) [Page 12](#)
6. Regular Agenda
 - A. Consent Agenda Items Pulled for Discussion
 - B. Contractor Safety Management Policy - to approve updates [Page 46](#)
 - C. Chapter 31-10 Subregional Line Charge - Island Way [Page 49](#)
 - D. Chapter 31-13 Regulation of Sewer Use (Industrial Pretreatment) [Page 51](#)
 - E. Loxahatchee River Subaqueous Force Main Replacement - Construction Contract [Page 105](#)
 - F. FY2025 Draft Budget [Page 106](#)
7. Reports (see next page) Pulled for Discussion
8. Future Business [Page 196](#)
9. Board Comments
10. Adjournment

“...if a person decides to appeal any decision made by the Board, with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.”

Submitted by: 
Date: August 5, 2024

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

5. CONSENT AGENDA

All items listed in this portion of the agenda are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board member or citizen; in which event, the item will be removed and considered under the regular agenda.

- A. Amended Final Assessment Island Country Estate - Duplex (Resolution 2024-09) [Page 13](#)
- B. Notice of Intent - 2966 Jamaica Drive (Resolution 2024-10) [Page 19](#)
- C. Biosolids Storage Tank Odor Control System Replacement – to approve agreement [Page 27](#)
- D. Lift Station 050 Rehabilitation – Lateral Lining Phase 3 – to authorize piggy-back contract [Page 35](#)
- E. Pump Purchase – to approve purchase [Page 42](#)
- F. Fixed Asset Disposal – to approve disposal [Page 43](#)
- G. Change Orders to Current Contracts – to approve modifications [Page 44](#)

7. REPORTS

- A. Neighborhood Sewering [Page 137](#)
- B. Legal Counsel's Report [Page 138](#)
- C. Engineer's Report [Page 141](#)
- D. Director's Report [Page 148](#)



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**AGENDA
PUBLIC HEARING #04-2024
AUGUST 15, 2024 - 6:55 P.M. AT DISTRICT OFFICES
ALL MEETINGS ARE OPEN TO THE PUBLIC**

1. Call to Order and Pledge of Allegiance
2. Roll Call
3. To receive public comments pertaining to Island Country Estate Amended Final Assessment (Duplex Properties)
4. Comments from the Board
5. Adjournment

".... if a person decides to appeal any decision made by the Board, with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based."

Submitted by:
Date: August 5, 2024

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



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MEMORANDUM

TO: Governing Board
FROM: D. Albrey Arrington, Ph.D., Executive Director
DATE: July 22, 2024
SUBJECT: Approval of Meeting Minutes

Attached herewith are the minutes for the Public Hearing and the Regular Meeting of July 18, 2024. As such, the following motion is presented for your consideration:

“THAT THE GOVERNING BOARD approve the minutes of the Public Hearing and Regular Meeting of July 18, 2024 as submitted.”

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

**LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
PUBLIC HEARING – MINUTES
JULY 18, 2023**

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Rockoff called the Public Hearing of July 18, 2023 to order at 6:55 P.M.

2. ROLL CALL

The following Board Members were in attendance:

Mr. Baker
Mr. Boggie
Mr. Rockoff
Dr. Rostock
Mr. Yerkes

3. TO RECEIVE PUBLIC COMMENTS PERTAINING TO THE FINAL ASSESSMENT FOR ISLAND WAY

No comments from the public were received.

4. COMMENTS FROM THE BOARD

No comments from the Board were received.

5. ADJOURNMENT

Chairman Rockoff adjourned the Public Hearing at 6:56 P.M.

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY

Ref: #09-2024

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
REGULAR MEETING - MINUTES
JULY 18, 2024

1. CALL TO ORDER

Chairman Rockoff called the Regular Meeting of July 18, 2024 to order at 7:00 PM.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance:

Mr. Baker
Mr. Boggie
Mr. Rockoff
Dr. Rostock
Mr. Yerkes

Staff Members in attendance were Dr. Arrington, Mr. Dean, Mr. Howard, Ms. Fraraccio (via GotoMeeting), Mr. Pugsley, Ms. Jones and Mr. Chung. Consultants in attendance were Mr. Curtis Shenkman, Mr. Hunter Shenkman..

B. PREVIOUS MEETING MINUTES

The minutes of the Regular Meeting of June 20, 2024 were presented for approval and the following motion was made:

“THAT THE GOVERNING BOARD approve the minutes of the Regular Meeting of June 20, 2024 as submitted.”

MOTION: Made by Dr. Rostock, Seconded by Mr. Yerkes
Passed Unanimously.

C. ADDITIONS & DELETIONS TO THE AGENDA

No additions or deletions to the agenda were made.

3. COMMENTS FROM THE PUBLIC

No public comments were received.

4. STATUS UPDATES

A. LOXAHATCHEE WATERSHED STATUS

Mr. Jerry Metz, from the District's WildPine Lab, gave an informative presentation addressing the spatial and temporal trends of seagrasses in the Loxahatchee River watershed. The presentation relied upon the District's long-term seagrass monitoring efforts, and included data dating back to 1998 and continuous data from 2003 to 2024. Jerry provided insightful commentary regarding the District's various seagrass monitoring efforts, and discussed the potential effect of changes in long-term cumulative annual rainfall patterns on seagrass occurrence. The Board expressed their appreciation for an insightful presentation and thanked Mr. Metz's for his dedication and passion for our seagrass monitoring efforts.

B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

5. CONSENT AGENDA

MOTION: Made by Mr. Boggie, Seconded by Mr. Baker
Passed unanimously.

“THAT THE GOVERNING BOARD approve the Consent Agenda of July 18, 2024 as presented with the exception of Item B.”

The following motions were approved as a result of the Board's adoption of the Consent Agenda:

A. Final Assessment SE Island Way (Res. 2024-08)

"THAT THE GOVERNING BOARD approve Resolution 2024-06 adopting the 28-40- 42 -000-000-00040-1 Preliminary Assessment Roll."

C. Payment Processing Services for FY2024 – to increase not-to-exceed amount

“THE DISTRICT GOVERNING BOARD authorizes the Executive Director to extend the not-to exceed purchase order to Edmunds GovTech, Inc., for eCheck and credit/debit card payment transaction fees by \$18,000, for a revised total authorization of up to \$93,000 for the remainder of FY2024.”

D. Fixed Asset Disposal – to approve disposal

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property asset tag number 2389 and the items from the aggregated assets listed in the schedule above in accordance with the District's Disposal of Surplus Tangible Personal Property Policy.”

Tag #	F/A #	Description	Condition	Date Recorded	Acquired Value	Book Value	Estimated Value
2399	ME327	Fluke Cable Analyzer	Beyond Repair	09/30/04	\$ 5,500	\$ -	\$ 20
2400	ME328	Fluke Cable Analyzer	Beyond Repair	09/30/04	\$ 3,595	\$ -	\$ 20
2436	ME334	Fluke Scopemeter	Beyond Repair	09/30/04	\$ 1,079	\$ -	\$ 20
2468	ME356	Transcat Pneumatic	Lost	09/30/05	\$ 1,180	\$ -	\$ -
Total Assets to be Disposed					\$ 11,354	\$ -	\$ 60

Description	Serial Number	Condition	Estimated Value
2 HP Barnes Pump	C1428269-0609	Beyond Repair	\$50
2 HP Barnes Pump	C1835196-0817	Beyond Repair	\$50
2 HP Barnes Pump	C502239-994	Beyond Repair	\$50
Positive Displacement Motor	C0505060104	Beyond Repair	\$0

E. Change Orders to Current Contracts – to approve modifications

No Change Orders were presented for Board consideration this month.

6. REGULAR AGENDA

A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

Item 5B pulled for discussion

5B. Contractor Safety Management Policy – to approve updates

After a brief discussion about the history and intent of this policy, the Governing Board requested a careful review of the revised policy by legal counsel before further discussions. Staff committed to returning next month to continue the discussion.

B. 2500 Jupiter Park Drive – Site Plan

Mr. Dean discussed the draft site plan for 2500 Jupiter Park Drive with specific attention to matters that were revised following the June Board presentation and discussion.

“THAT THE DISTRICT GOVERNING BOARD accepts the 2500 Jupiter Park Drive Conceptual Site Plan Technical Memorandum prepared by Chen Moore & Associates, dated June 28, 2024, and the companion memorandum prepared by Staff, dated July 9, 2024, and directs staff to use these memoranda to define guiding principles when planning for future improvements at 2500 Jupiter Park Drive.”

MOTION: Made by Mr. Boggie, Seconded by Dr. Rostock
 Passed Unanimously.

C. Retirement Plan – to approve revisions to our Money Purchase Plan and Trust

“That the District Governing Board authorize the Executive Director to elect the optional SECURE 2.0 Act Qualified Disaster Recovery Distributions and Terminal Illness Early Distribution Penalty Tax Exemption provisions into the LRD Retirement Plan.”

MOTION: Made by Mr. Baker, Seconded by Mr. Boggie
Passed Unanimously.

D. Fiscal Year 2025 – Budget Assumptions

Dr. Arrington discussed the budget assumptions memo, addressed Board questions, and explained that staff will be working diligently on the budget through September.

No Board Action Required – only feedback

7. REPORTS

Mr. Boggie pulled the Legal Report for discussion on Sonoma Isles
The remaining reports stood as written.

- A. NEIGHBORHOOD SEWERING
- B. LEGAL COUNSEL’S REPORT
- C. ENGINEER’S REPORTS
- D. DIRECTOR’S REPORT

8. FUTURE BUSINESS

Future Business stood as written.

9. COMMENTS FROM THE BOARD

No Board comments were received.

10. ADJOURNMENT

MOTION: Made by Mr. Yerkes, Seconded by Mr. Boggie,
Passed Unanimously.

“That the regular meeting of July 18, 2024 adjourns at 8:42 PM.”

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY



Loxahatchee River Watershed Status Field Gravity Line Inspection Preventive Maintenance Program

With over 8,250 gravity sewer lines and 8,155 manholes scattered throughout the District, maintaining proper operation of our gravity sewer system is challenging. As the system ages failures become more common, and inappropriate use can cause foreign debris such as grease and sand to accumulate and obstruct flow within these pipes, which flow by gravity. Failures and obstructions can quickly lead to unauthorized discharges (aka sanitary sewer overflows or SSOs). The District's Collections Team has been working to simultaneously improve the reliability of our systems and the efficiency of these efforts. This month's Watershed Status will review our data-driven preventive maintenance program and the tools and procedures we have implemented to optimize our efforts to proactively address blockages within our gravity lines and manholes.



LRD Gravity Line System Overview



LOXAHATCHEE RIVER DISTRICT'S EXECUTIVE DASHBOARD



Units	Stewardship	Pre-Treatment	Collection & Transmission		Wastewater Treatment			Reclaimed Water	EHS	General Business					River Health		
	# People educated at RC	Grease Interceptor Inspections	Customer Service	Unauthorized Discharge of Sewage	Mean Daily Incoming Flow	Permit exceedance	NANO Blend to Reuse (@ 511)	Delivery of Reclaimed Water	Employee Safety	Cash Available	Revenue (excluding assessment & capital contrib.)	Operating Expenses	Capital Projects		Minimum Flow Compliance	Salinity @ NB seagrass beds	River Water Quality
	% of Target	% requiring pump out	# blockages with damage in home	Gallons; # impacting surface waters	million gallons/day	# occurrences	Max Specific Conductance (umhos/cm)	# days demand not met	# of OSHA recordable injuries	\$	% of Budget	% of Budget	% within budget	average # days ahead (behind) schedule	# Days MFL Violation	%	Fecal Coliform Bacteria (cfu/100ml)
Green Level	≥ 90%	≤ 15	Zero	<704; 0	< 7.7	Zero	<1542	<2	Zero	≥ \$9,894,657	≥ 95%	≥ 85% but ≤ 105%	≥ 80%	≥ (30)	0	min ≥ 20 ‰	≤ 1 site > 200
Yellow	< 90%	≤ 25	1	≤1,500; 0	< 8.8	1	≤1875	≥ 2	-	< \$9,894,657	≥ 90%	≥ 80%	≥ 60%	< (30)	1	min ≥ 10 ‰	≤ 3 sites >200
Red	<75%	> 25	≥ 2	>1,500; ≥1	≥ 8.8	≥ 2	>1875	≥ 9	≥ 1	< \$5,557,057	< 90%	< 80% or > 105%	< 60%	< (60)	≥ 2	min < 10 ‰	≥ 4 sites > 200
2021 Baseline	952	16	0.3	1,130	7.1	0	1,294	2	0.2	\$ 40,651,532	97%	89%	79%	-34	0	24.3	3
2022 Baseline	1,319	12	0.1	395	6.8	0	1,268	3	0.0	\$ 44,372,235	101%	91%	83%	-51	1	22.6	3
2023 Baseline	1,451	13	0.0	1,124	7.0	0	1,296	6	0.0	\$ 44,656,875	106%	94%	90%	-39	2	23	4
2023	July	2,046	10	0	0; 0	6.5	1,293	1	0	\$ 44,736,939	110%	93%	92%	(42)	0	23.6	4
	Aug	1,215	9	0	15; 0	6.8	1,242	4	0	\$ 46,355,162	110%	93%	100%	(54)	0	17.1	6
	Sept	1,093	11	0	441; 0	6.7	1,201	0	0	\$ 43,649,874	110%	92%	97%	(49)	0	21.7	5
	Oct	1,940	14	0	101; 0	6.9	1,281	1	0	\$ 43,600,779	97%	109%	74%	(55)	0	15.6	9
	Nov	1,183	15	0	1,705; 0	7.1	1,255	0	0	\$ 43,936,002	101%	93%	81%	(46)	0	23.7	3
	Dec	1,021	14	0	45; 0	7.4	1,218	3	0	\$ 42,207,663	106%	100%	78%	(57)	0	9.9	2
2024	Jan	1,178	14	0	2,275; 0	7.4	1,209	1	1	\$ 41,429,932	104%	96%	87%	(64)	0	19.9	2
	Feb	1,689	15	0	2,405; 1	7.5	1,239	2	0	\$ 42,298,111	104%	95%	87%	(51)	0	25.3	1
	Mar	1,697	17	0	70; 0	7.4	1,101	3	0	\$ 41,568,281	103%	93%	65%	(49)	0	24.4	0
	Apr	1,162	15	0	2,858; 1	6.9	1,133	1	0	\$ 40,736,583	102%	92%	70%	(37)	7	32.5	1
	May	1,153	14	0	30; 0	6.6	1,146	15	1	\$ 42,588,420	102%	93%	62%	(52)	31	31.0	1
	June	2,870	9	0	20; 0	6.4	1,173	13	0	\$ 40,955,647	102%	92%	65%	(67)	22	20.1	6
	July	2,120	10	0	150; 0	6.3	1,075	1	0	\$ 41,437,745	103%	91%	68%	(69)	0	20.7	3
Consecutive Months at Green	12	4	27	3	182	39	166	1	2	178	33	9	0	0	1	6	0
Metric Owner	O'Neill	Pugsley	Dean	Dean	Pugsley	Pugsley	Pugsley	Dean	Horchar	Fraraccio	Fraraccio	Fraraccio	Dean	Dean	Howard	Howard	Howard

Metric Explanation

Capital Projects (\$) Capital Projects within budget fell to 68% this month. This is being impacted by 2 projects that did not close in FY23 as expected and were not included in the FY24 budget. In addition, 2 projects that were not anticipated to begin this fiscal year have been expedited to manage capital expenditures, given the delays experienced by other projects. Staff look forward to applying lessons learned in the upcoming budget process.

Capital Projects (time) The following projects are over 100 days behind schedule: (1) Lateral lining in Lift Station 41 collection system [-370 days] - staff are working through quality control issues; (2) Main lining in Lift Station 71 collection system [-240 days]; (3) Lateral lining in Lift Station 054 collection system [-135 days]; (4) Biosolids Processing Evaluation [-123 days] - this project will be closed out in August. Additional details are available in Kris' report.

Fecal Coliform Bacteria High fecal coliform bacteria (>200 cfu/100 ml) were observed at Stations 72 (Loxahatchee River Rd bridge), 95 (Jupiter Farms), and 100 (Cypress Creek mouth). See Bud's report for additional details.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

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FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: Governing Board
FROM: Administration Staff
DATE: August 05, 2024
SUBJECT: Consent Agenda

All items listed below are considered routine and will be enacted by one motion. There will be no separate discussion of these items unless requested by a Board Member or citizen, in which event, the item will be removed and considered under the regular agenda.

This month's consent agenda consists of the following items:

- A. Amended Final Assessment Island Country Estate - Duplex (Resolution 2024-09)
- B. Notice of Intent - 2966 Jamaica Drive (Resolution 2024-10)
- C. Biosolids Storage Tank Odor Control System Replacement - to approve agreement
- D. Lift Station 050 Rehabilitation - Lateral Lining Phase 3 - to authorize piggy-back contract
- E. Pump Purchase – to approve purchase
- F. Fixed Asset Disposal – to approve disposal
- G. Change Orders to Current Contracts – to approve modifications

Should you have any questions regarding these items, I would be pleased to discuss them further with you.

The following Motion is provided for Board consideration:

“THAT THE GOVERNING BOARD approve the Consent Agenda of August 15, 2024 as presented.”

Signed:

D. Albrey Arrington, Ph.D.
Executive Director

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Water Reclamation – Environmental Education – River Restoration

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July 17, 2024

D. Albrey Arrington, Ph.D., Executive Director
Loxahatchee River Environmental Control District
2500 Jupiter Drive
Jupiter, Florida 33458-8964

Re: **Resolution 2024-09 and AMENDED FINAL Assessment Roll for Island Country Estates**

Dear Albrey:

Attached to this letter is the Transfer of Property Lien, Resolution 2024-09, Exhibit "A" AMENDED Final Assessment Roll, Exhibit B Map, and the most recent list of property owners (that have not paid in advance), as part of the Resolution.

I will bring the Originals to the meeting and obtain the signatures and notary.

A **SUGGESTED MOTION** for the Board at the August 15, 2024 meeting is as follows:

"THAT THE GOVERNING BOARD approve Resolution **2024-09** amending the ISLAND COUNTRY ESTATES FINAL Assessment Roll and Exhibits."

Sincerely,
Curtis L. Shenkman
Curtis L. Shenkman

RESOLUTION NO. 2024-09
AMENDING RESOLUTION 2021-02
PROVIDING FOR AMENDED FINAL ASSESSMENT ROLL FOR
ISLAND COUNTRY ESTATES SPECIAL ASSESSMENT

A RESOLUTION OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT RELATING TO THE **ISLAND COUNTRY ESTATES** ASSESSMENT AREA IMPROVEMENTS; AMENDING RESOLUTION 2021-02 AND THE ASSESSMENT ROLL FOR **ISLAND COUNTRY ESTATES** ASSESSMENT AREA IMPROVEMENTS; AS ATTCHED HERETO AS EXHIBIT “A”; PROVIDING FOR A CORRECTION OF ANNUAL INSTALLMENTS OF \$1,251.86 FOR ISLAND COUNTRY ESTATES - DUPLEX ; PROVIDING FOR AN ACCURATE FIGURE.

WHEREAS, the Governing Board of the Loxahatchee River Environmental Control District (hereinafter called the “District”) adopted Resolution 2024-09 on AUGUST 15, 2024 approving the Special Assessment Roll for the **ISLAND COUNTRY ESTATES** Assessment Area; and

WHEREAS, the annual installments figure from \$1,251.86 to be corrected to annual installments figure of \$1,717.34 for Island Country Estates - Duplex; and

WHEREAS, the Governing Board, on the 15th day of AUGUST, 2024 at 6:55 P.M., sat as Board of Adjustment as provided in District Rule 31-11.005, and held the Public Hearings under Florida Statutes Chapter 197.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE DISTRICT THAT:

Section 1. The annual installments figure from \$1,251.86 to be corrected to annual installments figure of \$1,717.34 for Island Country Estates - Duplex.

Section 2. The Special Assessment Roll is amended as attached as Exhibits “A”.

Section 3. The Special Assessment is in compliance with the “Ellis Rule” requirement of District Rule 31-10.011, and Resolution No. **2021-02** of the District.

Section 4. In accordance with District Rule Chapter 31-11, and Florida Statutes Chapter 197, said Special Assessment Liens shall remain liens co-equal with the lien of all State, County, District and Municipal taxes, superior in dignity to all other liens, titles, and claims, until paid. Any failure to so pay these non-ad valorem Special Assessments shall be a default hereunder and will cause a tax certificate to be issued against the property which may result in a loss of title.

RESOLUTION 2024-09

Loxahatchee River Environmental Control District

Section 4. Availability for Connection and Required Connection. The waste water and sewerage system was “Available” for connection in accordance with District Rule 31-3.003(3) and Florida Statutes 381.0065(2)(a) when the LRD released the system for service on March 15, 2023, which is the date of actual “Availability”. In accordance with Florida Statutes 381.00655, the affected property owners shall be required to connect to the sewerage system within one (1) year of the actual Availability.

Section 5. The **District Clerk, as the designee of the chairman** of the Governing Board, **is directed to certify the non-ad valorem assessment roll, on a compatible electronic medium tied to the property identification number** and deliver it to the tax collector by September 15 of each year, or as otherwise provided for in the agreements with the tax collector. The certification shall be made on **Form DR-408A**.

Section 6. All Resolutions or parts of Resolutions in conflict herewith are hereby repealed to the extent of such conflict.

Section 7. This Resolution shall become effective upon its passage and adoption.

PASSED AND ADOPTED BY THE GOVERNING BOARD OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, THIS 15th day of AUGUST, 2024.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT:

VOTE

STEPHEN B. ROCKOFF

GORDON M. BOGGIE

CLINTON R. YERKES

KEVIN L. BAKER

DR. MATT H. ROSTOCK

EXHIBIT "A"
AMENDED FINAL ASSESSMENT ROLL
LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
ISLAND COUNTRY ESTATES - DUPLEX ASSESSMENT AREA

TOTAL COSTS AND EXPENSES RELATED TO THE IMPROVEMENTS. The District shall consider the **total** costs and expenses related to the improvements in the **ISLAND COUNTRY ESTATES - DUPLEX** Assessment Area shall be \$ **22,637.91** per parcel of property in the **ISLAND COUNTRY ESTATES - DUPLEX** Area.

APPORTIONMENT OF COSTS BETWEEN THE DISTRICT AND THE PROPERTY OWNERS. The District shall pay from the District's general funds ten percent (10%) of the total cost to the District of construction, reconstruction, labor, materials, acquisition, or property rights, surveys, design, engineering, and legal fees, administration expenses, and all other expenses necessary or incidental to completion of the specially assessed improvement and each lot or parcel of land subject to this special assessment shall be responsible for ninety percent (90%) of the total cost.

ASSESSMENT BASED ON PARCEL OF PROPERTY. Each Parcel of Property in the **ISLAND COUNTRY ESTATES - DUPLEX** Assessment Area identified on EXHIBIT "B" shall be currently assessed in the amount of \$ **20,955.31**.

PAYMENT OF ASSESSMENT. As to Parcels of **ISLAND COUNTRY ESTATES - DUPLEX** Assessment Area Property in EXHIBIT "B", the \$ **20,955.31** assessment may be paid, interest free, at the office of the District on or before May 1, 2022.

Owners who do not pay the \$ 20,955.31 assessment on or before May 1, 2022 shall have the \$ 20,955.31 principal added to the tax roll as a non-ad valorem assessment to accrue interest, beginning October 1, 2021, at five and one quarter percent (5.25%) per annum, to be collected in twenty (20) equal annual installments of \$ 1,717.34, commencing with the November 1, 2022 Real Estate Tax Bill.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

By: _____
D. Albrey Arrington, District Clerk, Executive Director

ISLAND COUNTRY ESTATES

DUPLEX

Mr. J Bowen/K Harney
re: 8245 SE Country Estates Way
8245 SE Country Estates Way
Jupiter FL 33458
21-40-42-003-000-00050-0

Mr. & Mrs. Timothy Wilhelmy
re: 7896 SE Peach Way
7896 SE Peach Way
Jupiter FL 33458
21-40-42-003-000-00110-8

Mr. & Mrs. Benjamin Farahani
re: 7881 SE Country Estates Way
7881 SE Country Estates Way
Jupiter FL 33458
21-40-42-003-000-00140-2

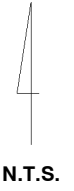
Mr. & Mrs. Peter Uihlein
re: 8194 SE Country Estates Way
8194 SE Country Estates Way
Jupiter FL 33458
21-40-42-003-000-00240-1

Mr. & Mrs. Eric Paul
re: 18856 SE Red Apple Lane
18856 SE Red Apple Lane
Jupiter FL 33458
21-40-42-003-000-00270-4

EXHIBIT "B"

ISLAND COUNTRY ESTATES

SEWER SYSTEM ASSESSMENT AREA



LEGEND

NOT IN ASSESSMENT AREA

MARTIN COUNTY, FLORIDA

9-5-2018

**CURTIS L.
SHENKMAN**
*Board Certified
Real Estate Attorney*

**Hunter C.
SHENKMAN**
Attorney

SHENKMAN & SHENKMAN P.A.
ATTORNEY & COUNSELOR AT LAW
2151 S. ALTERNATE A1A, SUITE 1000
JUPITER, FL 33477
CURTIS@PALMBEACHLAWYER.LAW

LEGAL ASSISTANTS
JAMIE KEELEN
DENISE B. PAOLUCCI
CAROLINA INMAN

July 31, 2024
Sent by email

D. Albery Arrington, PhD., Executive Director
Loxahatchee River Environmental Control District
2500 Jupiter Drive
Jupiter, Florida 33458-8964

Re: Initial Resolution for 2966 JAMAICA DRIVE Assessment Area

Dear Dr. Arrington:

Per your request, please attach to this letter the Pending Lien Notice, Notice of Intent to Assess, Resolution 2024-10, the PROPOSED "Exhibit B Description of Improvements", "Exhibit B Map of the "2966 JAMAICA DRIVE Assessment Area", and preliminary List of Property Owners.

A **SUGGESTED MOTION** for the Board to consider is:

"THAT THE GOVERNING BOARD approve Resolution 2024-10, the NOTICE OF INTENT to Assess, the Pending Lien Notice, and the Exhibits for the **2966 JAMAICA DRIVE** Assessment Area."

I will bring the originals to be signed at the Governing Board meeting, and leave them for the District to electronically record in the Public Records.

Sincerely,

Curtis L. Shenkman

Curtis L. Shenkman

RETURN TO:
Shenkman & Shenkman P.A.
2151 S. Alternate A1A, Suite 1000
Jupiter, Florida 33477

PENDING LIEN NOTICE
2966 JAMAICA DRIVE ASSESSMENT AREA

THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, a special district of the State of Florida, created in 1971 and existing pursuant to Chapter 2021-249, Laws of Florida (hereinafter referred to as the “District”, hereby clarifies the lien status of the “Notice of Intent to Assess” attached hereto and made a part hereof (referred to as the “Pending Lien”).

The Pending Lien shall not be considered certified, confirmed or ratified until such time as the passage of the Final Assessment Roll Resolution of the District.

The intention of the District in publishing this Pending Lien Notice is to assist the property owners who may be selling or refinancing their property and parties who may be placing a mortgage on their property to do so knowing that the District is not seeking the payment of any funds on the Pending Lien until the non-ad valorem tax bill is issued for the property on the date set forth in the Final Assessment Roll Resolution of the District.

Any inquiries as to the Pending Lien and the timing for the Final Assessment Roll Resolution and payment of said special assessments should be directed to:

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
2500 Jupiter Park Drive
Jupiter, Florida 33458
Phone: (561) 747-5700

IN WITNESS WHEREOF, the undersigned, Executive Director of the Loxahatchee River Environmental Control District, herein certifies that on this 15th day of August, 2024, the information contained herein is true and accurate.

WITNESSES: LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

Address: 2500 Jupiter Park Drive, Jupiter, FL 33458

By: _____
D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR

Address: 2500 Jupiter Park Drive, Jupiter, FL 33458

[DISTRICT SEAL]

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this 15th day of August, 2024, by D. Albrey Arrington, EXECUTIVE DIRECTOR of the LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, a special district of the State of Florida, on behalf of the District, personally known to me.

(NOTARY SEAL)

NOTARY PUBLIC, STATE OF FLORIDA

RETURN TO:
Loxahatchee River District
2500 Jupiter Park Drive
Jupiter, FL 33458

**NOTICE OF INTENT TO ASSESS
2966 JAMAICA DRIVE ASSESSMENT AREA**

THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, a special district of the State of Florida (the “District”) **created in 1971 and existing pursuant to Chapter 2021-249, Laws of Florida**, (the “Act”), hereby gives public notice that the District’s Governing Board on the 15th day of August, 2024, passed Resolution **2024-10**, authorizing the construction of certain local sewer improvements as further described in said Resolution **2024-10**, which is attached hereto as Exhibit “A”. It is the intent of the District to assess the owners of property specially benefited by such sewer improvements, which property is further described on the attached **Exhibit “B”**, and to apportion the District’s costs for the total expenses related to the design and construction of said improvements, based upon each owner’s proportionate share of said costs determined upon a square footage basis, or by other methods as the Governing Board may deem fair and equitable, pursuant to the Act and Rules of the District, as same may be amended from time to time hereafter.

Any inquiries to the District’s progress in completing certification of said assessments should be directed to:

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
2500 Jupiter Park Drive
Jupiter, Florida 33458

IN WITNESS WHEREOF, the undersigned, Executive Director of the Loxahatchee River Environmental Control District, hereby certifies on this 15th day of August, 2024, that the information contained herein is true and accurate.

WITNESSES:

Address: 2500 Jupiter Park Drive, Jupiter, FL 33458

D. Albrey Arrington, Ph.D.
Executive Director

Address: 2500 Jupiter Park Drive, Jupiter, FL 33458

STATE OF FLORIDA
COUNTY OF PALM BEACH

SWORN TO and subscribed before me by means of physical presence this 15th day of August 2024, by D. Albrey Arrington, EXECUTIVE DIRECTOR of the LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, who is personally known to me.

(NOTARY SEAL)

NOTARY PUBLIC, STATE OF FLORIDA

RESOLUTION 2024-10

A RESOLUTION OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT RELATING TO 2966 JAMAICA DRIVE ASSESSMENT AREA IMPROVEMENTS IN ACCORDANCE WITH DISTRICT RULE 31-11; STATING THE NATURE OF THE PROPOSED IMPROVEMENTS; DESIGNATING THE STREETS TO BE IMPROVED; DESIGNATING THAT PLANS, SPECIFICATIONS, AND A TENTATIVE APPORTIONMENT BE PREPARED; PROVIDING FOR THE AVAILABILITY OF PLANS AND SPECIFICATIONS AND FOR THE PREPARATION OF THE PRELIMINARY SPECIAL ASSESSMENT ROLL; PROVIDING FOR DECLARING LINE AVAILABLE FOR CONNECTION; PROVIDING FOR CONSISTENCY; PROVIDING FOR SEVERABILITY; PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Governing Board of the Loxahatchee River Environmental Control District (hereinafter called the “District”) has considered the need for improvements to the 2966 Jamaica Drive Assessment Area (the “Area”) in Palm Beach County, Florida;

WHEREAS the District shall construct and declare available sewerage collection lines and related appurtenances comprising a localized District sewer system in the Area as an Established Residential Neighborhood based upon the Governing Board’s determination of any of the following:

- (1) n/a; or
- (2) that a reasonable alternative to the septic tanks exists for the treatment of the sewerage, taking into consideration factors such as cost; or
- (3) the discharge from the septic tanks is adversely affecting the health of the user or the public, or the groundwater or surface water is degraded; or
- (4) to enhance the environmental and scenic value of surface waters.

WHEREAS, the Governing Board has considered the facts, evidence, and presentations of the District Engineer, District staff and consultants as to the need for sanitary sewers in the Area and considered such recommendations to be in accordance with the above referenced Criteria of the “Ellis Rule” as well as in the best interests of the citizens of the District and the citizens of this Area.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE DISTRICT, THAT:

Section 1. Title:

This Resolution shall be known as the Resolution Authorizing the Project known as “2966 Jamaica Drive ” Assessment Area Improvements”.

Section 2. Nature of Improvements:

The project improvements shall consist of the construction of a waste water and sewage system within lands under the jurisdiction of the District. The proposed improvements performed shall generally consist of those set forth on Composite Exhibit “B”.

Section 3. Designation of Streets to be Improved:

The streets included within the 2966 Jamaica Drive Assessment Area Improvements are set forth on Composite Exhibit “B”.

Section 4. Plans, Specifications and Tentative Apportionment:

Upon adoption of this Resolution, The District Engineers and staff shall prepare plans, specifications and estimated total costs of such proposed improvements, together with a tentative apportionment of such costs between the District and individual parcels of property receiving special benefits pursuant to the improvements.

Section 5. Public Inspection:

The Plans, Specifications and tentative apportionments for the 2966 Jamaica Drive Assessment Area Improvements shall be available for inspection in the Office of the Executive Director, Loxahatchee River Environmental Control District, 2500 Jupiter Park Drive, Jupiter, Florida 33458. The District’s

Engineer shall make available said plans and specifications prepared incident thereto, for inspection in the Office of the District’s Engineer.

Section 6. Assessment Roll:

The District Clerk is directed to prepare a Preliminary Assessment Roll based upon this Resolution, District Rule 31-11, and the District Engineer’s tentative apportionment, and to make publication of notice in newspapers in Martin and Palm Beach Counties, together with notice mailed to those interested parties and affected property owners requesting such in writing, in accordance with the requirements of District Rule 31-11.

Section 7. Availability for Connection and Required Connection:

The waste water and sewerage system shall be “Available” for connection in accordance with District Rule 31-3.003(3) and Florida Statutes 381.0065(2)(a) when the Florida Department of Health releases the system for service, which is the date of actual “Availability”. In accordance with Florida Statutes 381.00655, the affected property owners shall be required to connect to the sewerage system within one (1) year of the actual Availability.

Section 8. All Resolutions or parts of Resolutions in conflict herewith are hereby repealed to the extent of such conflict.

Section 9. In the event that any portion of this Resolution is found to be unconstitutional or improper, it shall be severed herefrom and shall not affect the validity of the remaining portions of this Resolution.

Section 10. This Resolution shall become effective upon its passage and adoption.

PASSED AND ADOPTED BY THE GOVERNING BOARD OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, THIS 15th DAY OF AUGUST, 2024.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

VOTE

STEPHEN B. ROCKOFF

GORDON M. BOGGIE

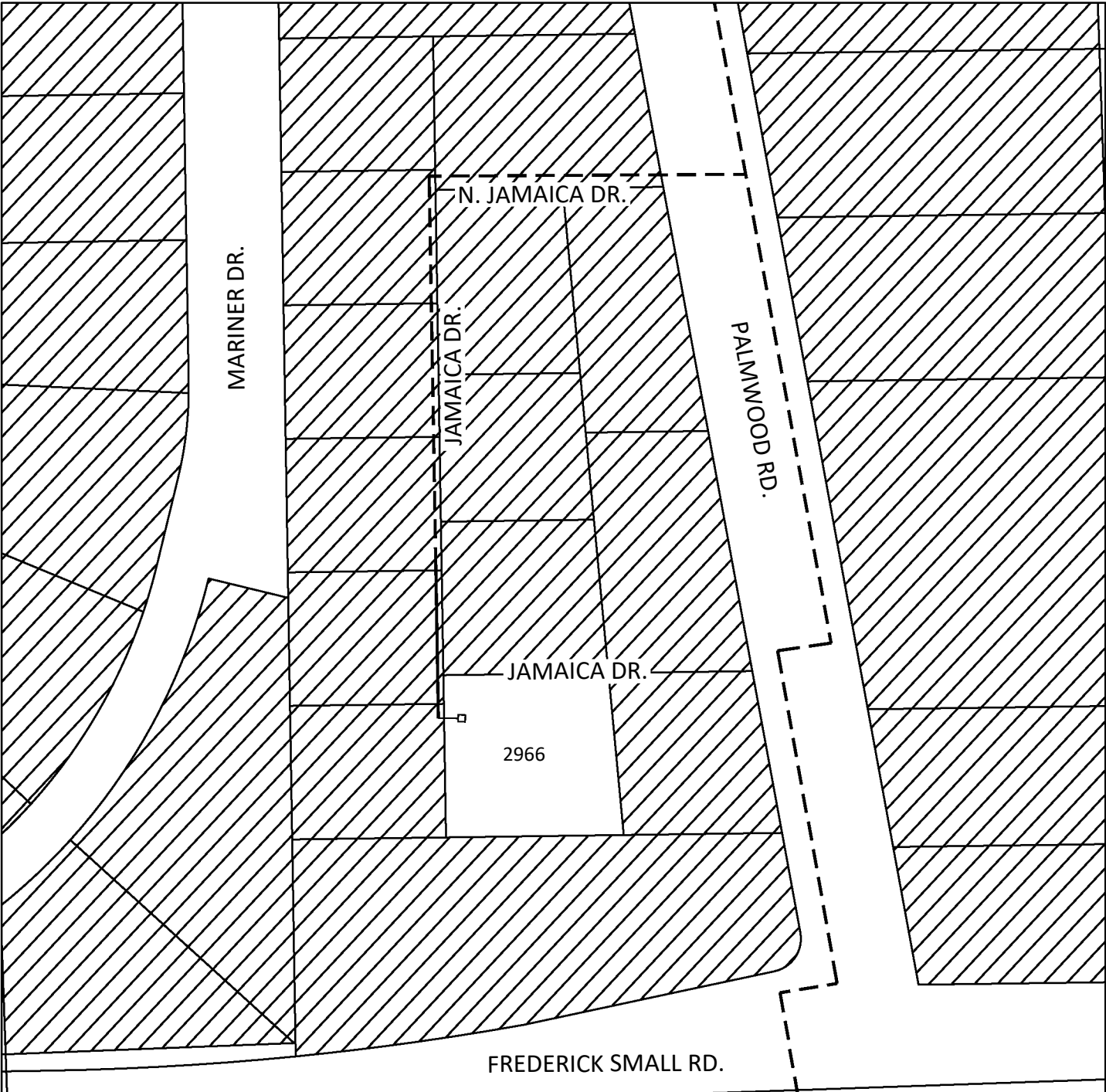
CLINTON R. YERKES

KEVIN L. BAKER

DR. MATT H. ROSTOCK

EXHIBIT "B"

2966 JAMAICA DRIVE SEWER SYSTEM ASSESSMENT AREA



LEGEND

- NOT IN ASSESSMENT AREA
- EXISTING LOW PRESSURE MAIN
- PROPOSED LOW PRESSURE MAIN
- PROPOSED LOW PRESSURE SERVICE

JUPITER, FLORIDA

7/30/2024

EXHIBIT “B”

PROPOSED SEWER SERVICE ASSESSMENT AREA

2966 JAMAICA DRIVE ASSESSMENT AREA

The properties to be provided sewer service are located within Section 17, Township 41 South, Range 43 East, Jupiter, Palm Beach County, Florida and lies within the following general boundaries:

On the North by Jamaica Drive,
On the South by Fredrick Small Road,
On the East by Palm wood Road, and
On the West by Jamica Drive.

The approximate quantity of materials required to complete the project are:

- 1 Service
- 1 Low Pressure Pumping Unit

Hermann & Megan Engelmann

82 Circle Drive

Morganton, GA 30560

re: 2966 Jamaica Drive, Palm Beach Gardens, FL 33410 1005

00-43-41-17-00-000-7100



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. ALBREY ARRINGTON, Ph.D., Executive Director
FROM: JASON A. PUGSLEY, P.E., Operations – Plant Manager
DATE: AUGUST 9, 2024
SUBJECT: SLUDGE STORAGE TANK ODOR CONTROL SYSTEM REPLACEMENT

The District currently utilizes a chemical scrubber type odor control system to capture and treat hydrogen sulfide laden, as well as other malodorous compounds, vapors from the headspace of the sludge storage tank located at the District's wastewater treatment plant (WWTP). The existing chemical scrubber system was installed as part the 2008 WWTP expansion project. Chemical scrubber systems utilize sodium hydroxide and sodium hypochlorite to neutralize the nuisance odors. These types of systems are generally reliable but tend to require higher maintenance costs (i.e., labor and equipment) due to the corrosive chemicals used, when compared to newer technologies such as biotrickling filter units. Further, chemical scrubbers have a significantly higher operating cost due to the rising and variable cost to purchase the chemicals consumed during the treatment process. Over the last annual period, the District has spent approximately \$22,000 per month on chemicals, alone. Lastly, chemical scrubbers pose higher safety/exposure risks to staff who are tasked with operating and maintaining these systems.

Biological odor control systems create the ideal conditions for the degradation and conversion of hydrogen sulfide via microbial oxidation using an engineered media to promote microbial growth and proliferation. The use of biofilters is ideal for applications, like sludge storage tanks, where there is a consistent concentration of hydrogen sulfide in the vapor stream to be treated because it provides a constant "food" source to the microbial population. Biofilters have a distinct advantage over chemical scrubber systems because they don't have the recurring cost for the chemicals consumed to neutralize hydrogen sulfide concentrations. Further, biological systems are more reliable than chemical systems since they do not use corrosive chemicals and require significantly fewer mechanical components. The District previously installed a similar, but smaller, dual-stage biotrickling odor control system at the WWTP headworks structure and that system has been performing extremely well since startup.

Staff has reviewed the available options to replace the existing odor control system and recommends that the District proceed with the supply and installation of a new biological odor control system via the existing piggy-back contract with Evoqua under a monthly lease arrangement. The current monthly lease cost for the proposed unit is \$14,744.00. In addition to the chemical cost savings, Evoqua will also provide all regular/periodic maintenance which will result in additional savings to the District. Evoqua has indicated that the estimated lead time for the fabrication and installation of the new odor control system is 22 - 24 weeks from proposal approval. Based on this timeline the District will not incur any costs until the middle of Fiscal Year (FY) 2025. As such, there will be no impact to the District's current FY 2024 budget.

Staff recommends the following motion:

"THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute the agreement submitted by Evoqua Water Technologies, Inc. for the supply and installation of a biotrickling filter odor control system dedicated to the sludge storage tank, in accordance with a "piggy-back" of the Lee County contract."

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



July 17, 2024

Mr. Jason Pugsley
Loxahatchee River Environmental District
2500 Jupiter Park Drive
Jupiter, FL 33458
Phone: (561) 401-4020
Email: Jason.pugsley@lrecd.org

**RE: BIOTRICKLING FILTER ODOR CONTROL SYSTEM
LOXAHATCHEE RIVER ENVIRONMENTAL DISTRICT, FL – SLUDGE HOLDING TANK
Evoqua Quote No. Q240716EH1**

Dear Mr. Pugsley,

Thank you for your interest in Evoqua Water Technologies LLC. Evoqua would like to submit the following proposal to install a Dual Stage Biotrickling Filter to provide point source odor control for the Sludge Holding Tank.

Evoqua Water Technologies LLC is established as an industry leader for the supply of odor and corrosion control products and services. The Evoqua Municipal Services Division employs over 175 engineers, chemists, technicians, transportation personnel and managerial/support staff to meet the odor and corrosion control needs of our customers nationwide.

Evoqua is committed to providing the highest standard of odor control and technical services in the industry. If the above proposal does not meet your application requirements, I would appreciate the opportunity to discuss alternatives with you.

If you have any questions, please do not hesitate to contact me at (951) 326-7415.

Sincerely,

Eric Hansen

Eric Hansen
Technical Sales Representative

Evoqua Water Technologies LLC

2650 Tallevast Road, Sarasota, FL 34243 USA

Tel: +1 (800) 345-3982

Fax: +1 (941) 359-7985

www.evoqua.com

BIOTRICKLING FILTER ODOR CONTROL SYSTEM

LOXAHATCHEE WWTP SLUDGE HOLDING TANK

LOXAHATCHEE RIVER ENVIRONMENTAL DISTRICT, FL

Quotation # Q240716EH1

July 17, 2024

Sales Representative

Eric Hansen
Evoqua Water Technologies LLC
Mobile: (951) 326-7415
Email: eric.c.hansen@evoqua.com

2650 Tallevast Road, Sarasota, FL 34243 USA

Tel: +1 (800) 345-3982

Fax: +1 (941) 359-7985

www.evoqua.com





BACKGROUND

Thank you for your interest in Evoqua Water Technologies LLC. Evoqua is pleased to present you with the following proposal to supply a BTF Dual Stage Biotrickling Filter (BTF) to provide point source odor control for the Loxahatchee WWTP Sludge Holding Tank under a build, own, operate (B.O.O.) agreement.

Evoqua's BTF biological odor control system uses an inert polyurethane foam media on which sulfur-oxidizing bacteria / biomass is grown. Once fully acclimated, the bacteria can reduce the H₂S concentration by greater than 99%.

The BTF system consists of a round FRP tower. The system includes an exhaust fan, recirculation pump, control panel, nutrient storage tank, and nutrient pump. The control panel is weather tight (NEMA 4X). Odorous air passes vertically upwards through the tower and the media bed(s), while irrigating water passes vertically downward through the media. Clean air exits out the top of the tower.

To maintain a healthy biomass, the media is irrigated with water mixed with nutrient. The irrigation is supplied by continuous recirculation of the tower sump liquid. When in operation, the recirculation pump continuously circulates a small amount of sump liquid over the media bed(s). The sump liquid contains water, nutrient, bacteria, and the acidic waste of the biological oxidation process. A small amount of clean water is added to the sump continuously, and an equal amount of waste liquid is sent to the drain. Nutrient is kept in the nutrient tank and is pumped into the irrigation stream during each irrigation cycle. The nutrient rate is pre-set and is adjustable manually. If plant effluent water is used the residual chlorine concentration must be less than 5 ppm to protect the bacteria.

The BTFs Dual Stage design allows for irrigation of the lower two biological beds with recirculated sump liquids, while simultaneously irrigating the third biological bed with fresh makeup water. In doing so, two zones of biology will develop in the BTF. One zone encourages the growth of bacteria specialized for removal of H₂S odors in the lower two beds under low pH conditions, and the other zone encourages the growth of bacteria specialized for removal of reduced sulfur organic odors in the third bed under neutral pH conditions.

The proposed vapor phase odor control unit has been designed based on the following information:

DESIGN CRITERIA

Location:	Loxahatchee WWTP Headworks
Odor Control System Description:	BTF Dual Stage
Vessel Diameter:	12 ft.
Irrigation:	Dual Stage Irrigation
Process Air Flow Rate:	11,000 cfm
Average Inlet H ₂ S Concentration:	10-150 ppm _v
Minimum Removal Efficiency:	99%

1. EQUIPMENT SCOPE

The following equipment and services are included in our scope of work. All equipment is designed to be installed in a non-hazardous area.

No.	Description	Quantity
1	Air Exhaust Fan w/ Motor	1
2	Fan Outlet / Vessel Inlet Transition	1
3	FRP Biotrickling Filter Tower, including: <ul style="list-style-type: none"> • PUF Foam Media for treatment of inorganic odors (H₂S) • Media Supports • Mist Eliminator • Integral Sump • Access Manways, Drain, Sight Glass • Inlet and Outlet Sample Ports • Flanged Inlet and Outlet • Integrated Humidification and Irrigation System • Integrated Nutrient Storage Tank • Nozzles and Internal Piping • All Biotrickling Filter Vessel Connecting Hardware (nuts, bolts, gaskets) • Dual stage irrigation design 	1
4	Electrical Control Panel, Skid Mounted, FRP Construction, NEMA 4X, Including: <ul style="list-style-type: none"> • One (1) On-Off Switch and status light for exhaust fan • One (1) VFD for adjustable speed control of exhaust fan • One (1) Hand/Off/Auto Nutrient pump switch. • Timer relay for water valves. 	1
5	Continuous Duty Recirculation Pump with NEMA Premium Efficiency Motor	1
6	Skid Mounted, enclosed Water Control Cabinet including; Nutrient Injection Point, Nutrient Feed Pump, Nutrient Flow Monitoring System, Rotameter, Control Valves, and Water Pressure Control Valve.	1
7	Evoqua Biofilter Nutrient	Included
8	Neoprene Pad to be installed underneath the vessel	Included
9	Anchor Bolts	Included

Evoqua shall provide and install the listed equipment. Evoqua Water Technologies retains ownership of all provided equipment. Evoqua will maintain spare parts for the equipment for emergency replacement.

2. SITE, UTILITIES AND CUSTOMER REQUIREMENTS

The Loxahatchee River Environmental District shall be responsible for having certain facets of site preparation completed prior to Evoqua’s mechanical installation of the Biotrickling Filter. This includes, but is not limited to dewatering, concrete work, trenching, containment piping, excavation, backfill, piping and electrical. Additionally, the customer shall be required to supply the following for each odor control system:

- Power – 480 VAC, 3 PH, 50 A within 3 feet of vessel
- Water (Potable or Reuse) – 20 gpm at 30 psi, 1” Sch. 80 PVC
- Ductwork – Within 10 feet of air exhaust fan
- Concrete Foundation – TBD
- Crane / Forklift Access for offloading of equipment
- Drain – 2” Sch. 80 PVC minimum

3. SCHEDULE

Evoqua can begin the program within 22 – 24 weeks of authorization to proceed after Evoqua contract approval and depending on scheduling.

4. ROUTINE SERVICE AND MAINTENANCE

An Evoqua service technician will perform routine maintenance and sampling for the BTF at a *minimum of twelve (12) times per year*. These visits will be conducted at a frequency *not more than 1 month apart* and shall consist of checking operating parameters and performing routine maintenance to ensure the systems are operating within their design conditions. Any necessary process adjustments will be made and will be followed up as needed with no additional charge for visits. A written report will be provided within a week of site visit. Routine maintenance services will be scheduled in advance and include, but not be limited to the following:

- Test H₂S levels at the Inlet and Outlet of the Biotrickling Filter.
- Check the biotrickling filter drain pH and nitrate levels.
- Measure and record inlet air flow rates.
- Inspect the condition and spray pattern for spray nozzles.
- Make any necessary process adjustments, ensuring the system meets design conditions.
- Include this data in a monthly report.

Additionally, Evoqua Water Technologies will:

- Supply nutrient for the Biotrickling Filter and will maintain nutrient tank levels.
- Troubleshoot odor problems (i.e., complaints) within 24 hours and correct any malfunctions in the treatment system.

5. PRICING

The Biotrickling Filter can be provided at a total monthly price below. Pricing is based on our standard equipment design offering. Pricing is based on the Lee County Odor Control contract, which the Loxahatchee River Environmental District currently piggybacks:

System Type	Design Air Flow (cfm) ¹	Design Avg. H ₂ S (ppm) ¹	Contract Line Item	Price per month ²	Mobilization Fee
BTF (Dual Stage)	11,000	10-150	B13 (Lee County)	\$ 14,744.00	\$29,488.00



Notes:

- 1. Design air flow rate was specified by the Loxahatchee River Environmental District.
- 2. A de-mobilization fee of 2 times the monthly rental fee shall apply for all units removed prior to 36 months.

The Scope of Services are further detailed in Attachment A, and schematics for the BTF Dual Stage have been included for your review in the attached documents.

Terms of payment are NET 30 days from date of invoice. These prices do not include any applicable taxes.

The Terms and Conditions of the Lee County Contract are considered part of this proposal and shall prevail.

Evoqua is committed to providing the highest standard of odor control and technical services in the industry. If the above proposal does not meet your application requirements, I would appreciate the opportunity to discuss alternatives with you.

If you have any questions regarding this proposal, please do not hesitate to contact me at (951) 326-7415.

Sincerely,

Eric Hansen

Eric Hansen
Technical Sales Representative

Evoqua Water Technologies LLC

**RE: BIOTRICKLING FILTER ODOR CONTROL SYSTEM
LOXAHATCHEE RIVER ENVIRONMENTAL DISTRICT, FL – SLUDGE HOLDING TANK
Evoqua Quote No. Q240716EH1**

Evoqua will process your order when we receive acceptance of this proposal by signing below and returning to municipalservices@xylem.com or via fax to: (941) 359-7985.

Company Name: _____

This ____ day of _____ Month _____ Year

By: _____

Title: _____

P.O.Number _____

ATTACHMENT A

SERVICES TO INCLUDE:

No.	Description	
1.	Equipment installation	Included in contract
2.	Start-up and Operational Training	Included in contract
3.	Monthly Equipment Maintenance	Included in contract

Responsibility of:

	<u>EVOQUA</u>	<u>Customer</u>
1. Installation		
a. Foundation pad		X
b. Secondary containment (if required)	NA	
c. Equipment transport/ delivery	X	
d. Unloading and positioning	X	
e. Security Fencing (if needed)		X
f. Site Permitting (if required)		X
g. Drain		X
2. Electrical		
a. 120 volt service termination		NA
b. 480 volt service termination		X
c. Conduit & wiring to/from module and remote monitors or alarms		NA
d. All connections inside EVOQUA module	X	
3. Piping and Mechanical		
a. Inlet/Outlet fittings	X	
b. Water to the EVOQUA module	X	
c. Piping/fittings within EVOQUA module	X	
d. Potable or reuse water feed		X
e. Duct work to EVOQUA module (within 10' of unit)		X
f. Interconnecting ductwork between EVOQUA modules	X	
g. Heat tracing and insulation of supply water (off skid)		NA
4. User Training		
a. Orientation	X	
b. Start-up assistance	X	
c. Operator training	X	



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director
 FROM: Kris Dean, P.E., Deputy Executive Director
 Courtney Jones, P.E., Director of Engineering
 DATE: August 15, 2024
 SUBJECT: Authorize Piggy-Back Contract for Lateral Lining Services

As part of the District’s rehabilitation and replacement program we routinely use lining services which install a structural pipe liner within existing service laterals. To complete this work staff located a viable “piggy-back” contract for fiscal year 2024. The contract is a City of Plantation contract with BLD Services, LLC for rehabilitation of sewer laterals. The contract is attached for reference.

The Board previously approved authorizations for Phase 1 and Phase 2 under this piggyback contract for fiscal year 2024 which was issued to BLD Services, LLC under PO #24-0298 (refer to below table). This motion is for re-authorization of PO #24-0298 for an additional \$640,000 for lateral lining work to be completed by the expiration date of the City of Plantation contract (October 19, 2024). Total amounts are summarized below:

	<u>Original Authorization – Phase 1 (November 2023)</u>	<u>Re-Authorization – Phase 2 (May 2024)</u>	<u>Re-Authorization – Phase 3 (August 2024)</u>	<u>Total</u>
BLD Services, LLC	\$750,000	\$1,275,000	\$640,000	\$2,665,000

Staff recommend the following motion:

“THAT THE DISTRICT GOVERNING BOARD re-authorize the “piggyback” of the City of Plantation Agreement No. 070-21 with BLD Services, LLC for a total not to exceed amount of \$2,665,000.”

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

AMENDMENT

FIRST AMENDMENT TO AGREEMENT BETWEEN THE CITY OF PLANTATION AND BLD SERVICES, LLC

THIS FIRST AMENDMENT to Agreement dated this 28th day of October, 2022,
by and between:

CITY OF PLANTATION, FLORIDA

a Municipal Corporation
400 North West 70th Avenue
Plantation, Florida 33317
(Hereinafter referred to as "CITY")

and

BLD SERVICES, LLC

a Louisiana Limited Liability Company
2424 Tyler Street
Kenner, LA 70062
(Hereinafter referred to as "CONTRACTOR")

WHEREAS, on October 20th, 2021, CITY entered into an Agreement with BLD SERVICES, LLC for City-Wide Rehabilitation of Sewer Lateral Pipe Lining; and

WHEREAS, the CONTRACTOR expressed a need to increase certain line item pricing prior to the expiration of the initial term (October 19th, 2023), based on market conditions, and supported by CONTRACTOR supplied documentation; and

WHEREAS, the CITY has reviewed the information provided, and performed additional independent research. The CITY entered into negotiations with the CONTRACTOR and negotiated a price increase and term(s) that was fair and reasonable; and

WHEREAS, this this Amendment shall also extend (renew) this Agreement for one (1) additional year pursuant to Contract Term (1.) section of the executed agreement. Utilizing the first (1st) of three (3) one- (1-) year renewals; and

WHEREAS, both parties concur with amending the Agreement to extend the term of the Agreement through October 19th, 2024 with the amended unit prices identified herein remaining firm; and

NOW, THEREFORE, in consideration of the mutual promises and covenants contained hercin, and other good and valuable consideration, the receipt and adequacy of the which are acknowledged, the parties agree as follows:

AMENDMENT

SECTION 1. RECITALS

The foregoing recitals are true and correct and are hereby incorporated into this Agreement.

SECTION 2. CONTRACT TERM

Contract Term Section within the executed agreement is amended as follows:

- 1. The term of this Agreement shall be extended through **October 19th, 2024.**
- 3. ~~Prices shall remain firm and fixed for the term of the Contract, including any option or extension periods.~~ **Agreement extension(s), renewal(s), and amendment(s) shall be based on mutually acceptable terms and conditions by both City and Contractor in writing.**

SECTION 3. CONTRACTOR'S COMPENSATION

The amended unit prices identified in **Exhibit "A"** of this First Amendment, which is incorporated herein and made apart hereof, shall remain firm until October 19th, 2024.

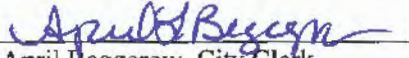
SECTION 4. In all other respects, the terms and conditions of the Agreement, as amended, not specifically amended herein remain in full force and effect. In the event of any conflict, this First Amendment will supersede all other terms. In the event of ambiguity, the most conservative interpretation consistent with the public interest is intended.

SECTION 5. This First Amendment shall be effective upon final CITY Signature.

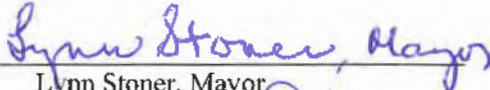
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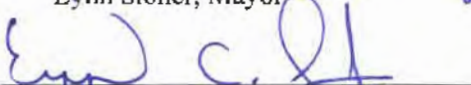
AMENDMENT

IN WITNESS WHEREOF, CITY OF PLANTATION AND BLD SERVICES, LLC have signed this Amendment in duplicate. One counterpart each has been delivered to the CITY and CONTRACTOR.

Attest: 
April Beggerow, City Clerk

CITY OF PLANTATION

By: 
Lynn Stoner, Mayor

As to Procurement: 
Charles Spencer, Procurement Director

Signed, Sealed in the presence of:

BLD SERVICES, LLC
a Louisiana Limited Liability Company



By: 
Jacob Trapani, Managing Member



EXHIBIT “A”

CIPP Lateral Connection and Lateral Pipe Lining			
BID ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE
3-1	CIPP Lining, 8 to 15-inch full circle main connection 4" or 6" x 4.5mm lateral piping, minimum 10 LF of lateral (all depths).	EA	\$3,250.00 \$3,691.33
3-2	CIPP Lining, <u>stack pipe, double lateral</u> , 8 to 15-inch main 4 to 6-inch stack, full circle main connection 4", 6" or 8" x 4.5mm lateral piping, minimum 10 LF of lateral each way (all depths).	EA	\$4,000.00 \$4,543.17
3-3	CIPP Lining, <u>Siamese, double lateral</u> , 8 to 15-inch main 4 to 6-inch Siamese laterals, full circle main connection 4", 6" or 8" x 4.5mm lateral piping, minimum 10 LF of lateral each way (all depths).	EA	\$4,000.00 \$4,543.17
3-4	CIPP Lining, 8 to 15-inch full circle main drop connection, up to 10 LF of drop (all depths).	EA	\$2,500.00 \$2,839.48
3-5	CIPP Lining, 4" & 6" x 4.5mm laterals, all depths (includes 10 feet of lateral)	EA	\$2,000.00 \$2,271.59
3-6	CIPP Lining 4" & 6" x 4.5mm pipe, beyond 10 linear feet of lateral all depths.	LF	\$10.00 \$11.36
3-7	Transitional Liner 4" to 6" x 4.5mm transition (all depths). Transitions may occur in stackpipe, straight laterals or in Siamese configurations.	EA	\$50.00 \$56.79
3-8	Work in rear-yard easement (items 1 through 7)	EA	\$1,000.00 \$1,072.31
3-9	Sewer main cleaning and TV inspection (8-inch through 10-inch)	LF	\$2.00 \$2.14
3-10	Sewer main cleaning and TV inspection (12-inch through 15-inch)	LF	\$3.00 \$3.22
3-11	Sewer lateral TV inspection from main (up to 30 feet)	EA	\$350.00 \$375.31
3-12	Sewer lateral TV inspection from main (beyond 30 feet)	LF	\$0.25 \$0.27
3-13	Work in rear-yard easement (items 9 through 12 and 14 through 20)	EA	\$1,000.00 \$1,072.31
3-14	Cleanout Installation in grass area, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	\$1,000.00 \$1,252.48
3-15	Cleanout Installation in asphalt area, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	\$1,050.00
3-16	Cleanout Installation in concrete area, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	\$1,100.00
3-17	Cleanout Installation in pavers, 3-inch to 6-inch gravity pipe, depths up to 5-feet. (includes restoration)	EA	\$1,050.00



3-18	Cleanout Installation beyond 5 feet in depth.	VF	\$125.00
3-19	Bypass pumping (8-inch to 15-inch sewer)	EA	\$250.00
3-20	Furnish and Install Double Wye	EA	\$150.00
3-21	Traffic control - hourly charge for each flagger.	HR	\$20.00
3-22	Traffic control - daily charge for arrow board.	DAY	\$250.00
3-23	Traffic control - daily charge for each barricade.	EA	\$2.00

Note No. 1: The contractor is directed to bid and install the above minimum CIPP material thicknesses. The contractor is responsible for providing sealed design calculations confirming the stated thicknesses are appropriate for the intended installation. Design requirements that indicate a thicker material will be compensated at the above unit prices for additional thickness. All designs in accordance with ASTM F1216, X1.

Note No. 2: If Contractor is awarded a contract. Contractor shall provide a written quotation of work identified by City within two (2) weeks of request for quotation. The Contractor shall commence the work within three (3) weeks of receipt of Purchase Order.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D.
FROM: Kara Fraraccio, Director of Finance and Administration
DATE: August 9, 2024
SUBJECT: Pump Purchase

Staff has determined inventory levels for NP3127 10 HP and NP3127 7.5 HP pumps are short. Current stock levels are zero (0) with an industry standard of 10% of pumps in service. To ensure available spares in these installations staff are proposing purchase of four (4) 10 HP NP3127 pumps with 488 impellers and one (1) 7.5 HP with 489 impeller. The proposed purchase detailed in the attached quote is through an Orange County piggyback contract with Xylem Water Solutions, Inc. on files with purchasing.

As more installations are evaluated staff will continue to determine appropriate pump selections and adjust stocking inventories.

Staff recommend the following motion:

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to purchase four NP3127 10 HP pumps and one NP3127 7.5 HP pump as detailed in Xylem Water Solutions, Inc. quote dated July 10, 2024 in the amount of \$72,779.40.

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: Governing Board
 From: Kara Fraraccio, Director of Finance and Administration
 Date: August 9, 2024
 Subject: Disposal of Surplus Property

Whenever the District disposes of tangible personal property of a non-consumable nature, Florida Statutes and our Disposal of Surplus Tangible Personal Property Policy require Governing Board approval before any Surplus Tangible Personal Property can be disposed of. The following asset was aggregated with other assets or grouped as part of a project when purchased and we therefore do not have individualized asset information, instead a description of the asset is provided. Consistent with state statute and our policies and procedures, I request your authorization to dispose of the item listed below:

<u>Description</u>	<u>Serial Number</u>	<u>Condition</u>	<u>Estimated Value</u>
7.5 HP Flygt Pump	FLY-9110582	Needs Repair	\$100
2 HP Barnes Pump	C818249-0801	Beyond Repair	\$50
2 HP Barnes Pump	C1272547	Beyond Repair	\$50

The items listed in the schedule above is no longer of use to the District and are considered Surplus. The assets will be disposed of in accordance with the District’s Disposal of Surplus Tangible Personal Property Policy.

Items slated for disposal that have no remaining value will be recycled or otherwise disposed of in an environmentally conscious manner.

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

I offer the following motion for your approval:

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of the items listed in the schedule above in accordance with the District’s Disposal of Surplus Tangible Personal Property Policy.”

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



Change Orders

No Change Orders are presented for Board consideration this month.



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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: GOVERNING BOARD
FROM: D. ALBREY ARRINGTON, Ph.D.
DATE: AUGUST 9, 2024
SUBJECT: CONTRACTOR SAFETY MANAGEMENT POLICY UPDATE

Last month staff brought proposed revisions to the District's existing Contractor Safety Management Policy to the Board for consideration. The Board expressed a desire to have a more thorough review of the existing policy and proposed policy revisions by legal counsel and our insurance agent before considering the proposed revisions to the policy.

As such, staff have worked with our general counsel (Mr. Curt Shenkman), our legal counsel for construction contracts (Patrick McNamara, Shareholder, de la Parte, Gilbert, McNamara, & Caldevilla, P.A.), and our insurance agent (Ryan Rupnarain, Senior Manager, Loss Control Services, Egis Insurance & Risk Advisors). We provided the existing policy, existing procedures, and proposed policy revisions to each of these experts for their review. In general, the sentiment was clear support for this Board-approved policy and for the proposed revisions.

Based on the clear support for this policy among these experts, staff are back seeing the Board's approval of the Contractor Safety Management Policy and the proposed revisions, which include:

1. Contractor is responsible for implementation of the contractor's health, safety, and environmental policies and procedures.
2. District's rights relevant to obtaining information.
3. District's rights to qualify and disqualify contractors based on environmental, health and safety.
4. Simplification of the Qualifying Contractor definition.
5. Addition of the statutory authority, i.e., referencing Chapter 2021-249 Section 6(6).

Staff and your consultants believe this is an important policy and we believe these revisions improve this policy; therefore, staff recommend your approval of the following motion:

“THAT THE DISTRICT GOVERNING BOARD approve the Loxahatchee River Environmental Control District's Contractor Safety Management Policy as revised with an effective date of August 16, 2024.”


Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

	LOXAHATCHEE RIVER DISTRICT	Doc No: LRD-POL-EXE-01.00
		Effective Date: 04/17/2020
		Revision History: 04/17/2020 08/16/2024
Authors: Kris Dean, P.E. and Travis Baines, CSHO, ENSEd Horchar		Revision No. 0
Issuing Department: Executive		Expiration Date: None
		Page: Page 1 of 2

CONTRACTOR SAFETY MANAGEMENT

Purpose

The work that we engage with contractors to complete exposes the Public, District Staff, the Contractor and his Subcontractors to hazards or potential hazards on a daily basis. The District has a responsibility to ensure that Contractors performing work for us have health, safety and environmental practices in place, have a history of healthy safe work practices and ~~are in~~ compliance with Federal, State and Local requirements as well as District requirements where applicable.

Policy

It is the District's policy to require each Qualifying Contractor performing work for the District to have health, safety, and environmental policies and procedures in place, have a history of healthy, safe work practices, and are compliant with Federal, State, and Local requirements as well as District requirements where applicable.

To achieve this policy, District staff will maintain a written Contractor Safety Management program to qualify, evaluate, and memorialize safety performance of qualified Contractors performing work for the District. At a minimum, the District's Contractor Safety Management program will include:

1. Prequalification or Qualification
2. Contract/Work Scope Requirements
3. Construction Management
4. Post Assessments

A contractor's implementation of health, safety and environmental policies and procedures, including training, safety equipment purchase, liability, loss, damages, claims, fines, or other expenses of every character are the responsibility of the contractor and/or their subcontractors.

The District reserves the right to obtain all relevant and necessary information to assess a Qualifying Contractor's health, safety and environmental policies and procedures and their relevant past performance, e.g., OSHA lost workday rates, Workers' Compensation Experience Modification rates, OSHA recordable injury rates.

The District reserves the right to qualify or disqualify any contractor from bidding on a contract, acceptance of a contract, or continuation of an existing contract based on their failure to provide adequate health, safety and environmental policies and procedures and/or their ongoing safety performance.

This policy applies to each Qualifying Contractor while performing any work for the District.

Authority: Chapter 2021-249 Laws of Florida Section 6(6)Not applicable

Date Approved by Governing Board: 08/15/202404/16/2020

~~District staff shall implement a program to qualify, evaluate and memorialize safety performance of Qualifying Contractors performing Work for the District. The program shall include the following:~~

- ~~1. Prequalification or Qualification~~
- ~~2. Contract/Work Scope Requirements~~
- ~~3. Construction Management~~
- ~~4. Post Assessments~~

Definitions

List definitions necessary to understand the policy statement (section above).

- A. Construction Management: A process by which the District will audit through documentation a Qualifying Contractor's safety practices to verify compliance with the Qualifying Contractor's policies and procedures.
- B. Contract/Work Scope Requirements: A process by which minimum safety requirements are determined and communicated to Qualifying Contractors during Prequalification or Qualification.
- C. Prequalification: A process by which the District performs an annual qualification of contractors who routinely perform or bid routine Work for the District.
- D. Post Assessments: A process by which a Qualifying Contractor's safety performance on a project is documented and archived for future reference.
- E. Qualification: Qualification requirements that define required Qualifying Contractor safety performance, policies and procedures specific to the Work being performed.
- F. Qualifying Contractor: Any contractor covered by the Occupational Safety and Health Administration. ~~For the purposes of this policy any employer and their workers, excluding those that are self-employed, immediate family members of farm employers and workers whose hazards are regulated by another federal agency shall be considered a Qualifying Contractor.~~
- G. Work: For the purposes of this policy any work that requires a licensed contractor or involves installation, modification, repair or maintenance of District owned assets excluding work performed at the Qualifying Contractor's place of business.

Relevant Procedures

The following procedures guide staff in the appropriate implementation of this policy:

- A. Procedure #1: Prequalification
- B. Procedure #2: Contract/Work Scope Requirements
- C. Procedure #3: Construction Management
- D. Procedure #4: Post Assessments
- E. Procedure #5: Qualification

Policy Questions

Questions regarding this policy should be directed to the author(s) listed above.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director
FROM: Kris Dean, P.E., Deputy Executive Director
DATE: December 5, 2023
SUBJECT: Chapter 31-10 – Subregional Line Charge for SE Island Way Martin County Parcel ID 28-40-42-000-00020-5

Staff have designed, permitted, and constructed a low pressure sewer collection and transmission system to serve a parcel on SE Island Way (Martin County Parcel ID 28-40-42-000-000-00040-1). This system has additional capacity to serve a nearby vacant lot on SE Island Way (Martin County Parcel ID 28-40-42-000-000-00020-5).

Because of the sequence of facility design and construction, this project, essentially a low pressure force main and associated appurtenances, is proposed to be paid for using our subregional line charge mechanism, i.e., LRD Rule Chapter 31-10.005(5). Previously, we have implemented six subregional line charges (i.e., 31-10.005(5)(a - f)), and this will be our seventh (31-10.005(5)(g)).

In order to equitably distribute costs for the SE Island Way subregional collection and transmission system, staff have quantified the number of equivalent connections (~wastewater flow) the SE Island Way Subregional Collection Facilities will likely serve. Based on the best available information, LRD staff have determined the SE Island Way Subregional Collection Facilities will serve 3.5 equivalent connections (i.e., Martin County Parcel IDs 28-40-42-000-000-00020-5 and 28-40-42-000-000-00040-1; two properties each with 4 or more toilets).

When we divide the cost of the SE Island Way Subregional Collection Facilities (\$19,614.41) by the number of equivalent connections those facilities will ultimately serve (3.5 equivalent connections), we find the SE Island Way Martin County Parcel ID 28-40-42-000-000-00020-5 Subregional Collection Facilities cost is \$5,604.12 per equivalent connection.

Therefore, Staff have drafted proposed revisions to Rule 31-10.005(5) incorporating the SE Island Way Martin County Parcel ID 28-40-42-000-000-00020-5 Subregional Line Charge at \$5,604.12 per equivalent connection. Pursuant to existing rule language, subregional line charges are adjusted annually based on the 10-Year Treasury Rate published by the US Department of Treasury on February 1st. To facilitate your review, we have provided the suggested revisions to LRD Rule 31-10.005(5) in red at the top of the following page.

Stephen B. Rockoff
CHAIRMAN

Dr. Matt H. Rostock
BOARD MEMBER

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

5(g) SE Island Way Martin County Parcel ID 28-40-42-000-000-00020-5 Subregional Line Charge for SE Island Way Martin County Parcel ID 28-40-42-000-000-00020-5 Subregional Collection Facilities. The rate of the SE Island Way Martin County Parcel ID 28-40-42-000-000-00020-5 Subregional Line Charge shall be \$5,604.12 per Equivalent Connection. Commitment of service shall not exceed those total capacity limitations as authorized for commitment by the Governing Board of the District. The full amount of the Subregional Line Charges shall be due and payable at the time commitment of service is made, except those buildings or structures having certificates of occupancy prior to the date this transmission system line is deemed available, may finance this Subregional Line Charge over twenty (20) years at a fixed interest rate equal to the current Wall Street Journal Prime Rate plus two (2.0%) percent, but not to exceed 8%, existing at the time commitment of service is made, with no prepayment penalty, to be collected by Non-Ad Valorem tax roll.

No Board action is requested at this time. Staff will return to the Board on September 19, 2024 seeking formal approval of the proposed revisions to Chapter 31-10 to include this subregional line charge.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director
FROM: Jason A. Pugsley, P.E., Operations – Plant Manager
DATE: August 9, 2024
SUBJECT: Proposed Revisions to Chapter 31-13 “Regulation of Sewer Use”

The District’s Chapter 31-13 “Regulation of Sewer Use” Rule is commonly referred to as our “Sewer Use Ordinance” and/or our “Industrial Pretreatment Ordinance” by regulatory agencies such as EPA and FDEP. We last revised Chapter 31-13 in March 2023. This month we are bringing proposed revisions to the Board for approval. The proposed revisions are required to address specific comments provided by Wastewater Management Program of Florida Department of Environmental Protection (FDEP) as part of the recently completed annual Industrial Pretreatment Program Audit. The comments are intended to address minor inconsistencies between the FDEP standard template/guidance documentation and the current version of Chapter 31-13. As part of the incorporation of the revisions requested to address FDEP’s comments, Staff also identified some minor typographical items which, when revised, would improve overall clarity.

No Board action is being sought this month. Rather, this month we wanted to provide the DRAFT revised rule for review by you and the public. Staff anticipate bringing a final draft of Chapter 31-13 “Regulation of Sewer Use” to the Board for approval at your public meeting on September 19, 2024. A copy of the DRAFT rule revision is attached following this memorandum.

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

CHAPTER 31-13 REGULATION OF SEWER USE



2500 Jupiter Park Drive
Jupiter, Florida 33458
Palm Beach County

Latitude: 26° 55' 27.32" N Longitude: 80° 08' 22.91" W

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SECTION 1 - GENERAL PROVISIONS

1.1. Purpose and Policy

This Rule sets forth uniform requirements for Users of the Publicly Owned Treatment Works (POTW) for the area serviced by the Loxahatchee River Environmental Control District (DISTRICT, the District) and enables the District to comply with all applicable State and Federal laws, including (33 United States Code [U.S.C.] section 1251 et seq.), the General Pretreatment Regulations (Title 40 of the *Code of Federal Regulations* [CFR] Part 403 and Chapter 62-625 Florida Administrative Code [F.A.C.]). The objectives of this Rule are:

- A. To prevent the introduction of pollutants into the POTW that will interfere with the operation of the POTW, including interference with its use or disposal of municipal biosolids [40 CFR 403.2(a)];
- B. To prevent the introduction of pollutants into the POTW which will Pass Through the POTW, inadequately treated, into receiving waters or otherwise be incompatible with the POTW;
- C. To ensure that the quality of the wastewater treatment plant biosolids is maintained at a level that allows its use and disposal in compliance with applicable statutes and regulations;
- D. To protect POTW personnel who may be affected by wastewater and biosolids in the course of their employment and to protect the general public; and
- E. To improve the opportunity to recycle and reclaim wastewater and biosolids from the POTW.
- F. To provide for fees for the equitable distribution of the cost of operation, maintenance, and improvement of the POTW; and
- G. To enable the District to comply with its National Pollutant Discharge Elimination System (NPDES) permit conditions, biosolids use, and disposal requirements, and any other Federal or State laws to which the (WWTF) is subject.

This Rule shall apply to all Users of the POTW, and requires compliance with Chapter 62-625, F.A.C. of all such Users. The Rule authorizes the issuance of wastewater discharge permits; authorizes monitoring, compliance, and enforcement activities/remedies; establishes administrative review procedures; requires User reporting; and provides for the setting of fees for the equitable distribution of costs resulting from the program established herein.

1.2 Administration

Except as otherwise provided herein, the District's Executive Director shall administer, implement, and enforce the provisions of this Rule. Any powers granted to, or duties imposed upon, the Executive Director may be delegated to other duly authorized District personnel. Whenever the Executive Director is authorized to take any action or make any decisions pursuant to the District's Rules, the District's duly authorized representatives, agents and employees shall have similar authority in the Executive Director's stead.

It is anticipated this document will need periodic review and updating to keep current with changing regulations. However, the basic procedural information and methods of implementation should remain valid.

1.3 Abbreviations

The following abbreviations shall have the designated meanings:

- ASPP - Accidental Spill Prevention Plan
- BOD - Biochemical Oxygen Demand
- BMP – Baseline Monitoring Practice
- BMR – Baseline Monitoring Report
- CFR - Code of Federal Regulations
- CIU – Categorical Industrial User
- COD - Chemical Oxygen Demand
- DISTRICT - Loxahatchee River Environmental Control District
- EPA - U.S. Environmental Protection Agency
- ERP – Enforcement Response Plan
- F.A.C. – Florida Administrative Code
- FDEP – Florida Department of Environmental Protection
- FSE – Food Service Establishment
- F.S. – Florida Statutes
- GPD - gallons per day
- IU – Industrial User
- MDL – Method Detection Limit
- mg/l - milligrams per liter
- NPDES - National Pollutant Discharge Elimination System
- NSCIU – Non-Significant Categorical Industrial User
- O&M - Operation and Maintenance
- PFAS – Per-and Polyfluoroalkyl
- PFOA – Perfluorooctanoic Acid
- PFOS – Perfluorooctane Sulfonic Acid
- POTW - Publicly Owned Treatment Works
- RCRA - Resource Conservation and Recovery Act
- SIC - Standard Industrial Classifications
- SIU – Significant Industrial User
- SWDA - Solid Waste Disposal Act (42 U.S.C. 6901, et seq.)
- TRC – Technical Review Criteria
- TSS - Total Suspended Solids
- USC or U.S.C. - United States Code
- WWF – Wastewater Facility

1.4 Definitions

Except as discussed below, the general definitions set forth in the enabling legislation of the District, Chapter 2021-249, Laws of Florida, , and as set forth in Chapter 31, Florida Administrative Code shall

apply to this Rule. Unless a provision explicitly states otherwise, the following terms and phrases, as used in this Rule, shall have the meanings hereinafter designated.

1. Act or "the Act". The Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 1251 et seq.
2. Amalgam separator. A device that employs filtration, settlement, centrifugation, or ion exchange to remove amalgam and its metal constituents from a dental office vacuum system before it discharges to the POTW.
3. Amalgam waste. Non-contact amalgam (amalgam scrap that has not been in contact with the patient); contact amalgam (including, but not limited to, extracted teeth containing amalgam); amalgam sludge captured by chairside traps, vacuum pump filters, screens, and other amalgam trapping devices; used amalgam capsules; and leaking or unusable amalgam capsules.
4. ANSI/ADA Standard No. 108. The American National Standards Institute and American Dentistry association standard for amalgam separators.
5. Applicable Pretreatment Standards. For any specified pollutant, District prohibitive standards, District specific pretreatment standards (local limits), State of Florida pretreatment standards, or EPA's Categorical Pretreatment Standards (when effective), whichever standard is appropriate or most stringent.
6. Approval Authority. Designated as the State of Florida (due to Florida having an EPA approved pretreatment program)
7. Authorized Representative of the User.
 - a. If the User is a corporation:
 - i. A president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - ii. The manager of one or more manufacturing, production, or operation facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - b. If the User is a partnership or sole proprietorship: a general partner or proprietor, respectively;
 - c. If the User is a Federal, State, or local governmental facility: a director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or his/her designee.

- d. The individuals described in paragraphs 1 through 3 above may designate another authorized representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company, and the written authorization is submitted to the District.
8. Baseline Monitoring Report (BMR). Required from all industrial users of the POTW, 180 days after the effective date of an applicable categorical pretreatment standard. These reports, which are analogous to NPDES permit applications and are required by 40 CFR 403.12(b) of the General Pretreatment Regulations. All industrial users must provide information on their production processes, water usage, discharge, and compliance status.
 9. Best Management Practices (BMPs). Means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to implement the prohibitions listed in Rules 62-625.400(1)(a) and (2), F.A.C. BMP's include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.
 10. Biochemical Oxygen Demand (BOD). The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures for five (5) days at 20 degrees Celsius, usually expressed as a concentration [milligrams per liter (mg/l)].
 11. Bypass. The intentional diversion of wastewater streams from any portion of a User's treatment facility.
 12. Categorical Pretreatment Standard or Categorical Standard. Any regulation containing pollutant discharge limits promulgated by the U.S. EPA in accordance with Sections 307(b) and (c) of the Act (33 U.S.C. 1317) that apply to a specific category of Users and that appear in 40 CFR Chapter I, Subchapter N, Parts 405-471.
 13. Chemical Oxygen Demand (COD). A measure of the oxygen required to oxidize all compounds, both organic and inorganic, in water.
 14. Categorical User (CU) or Categorical Industrial User (CIU). A User regulated by one of EPA's Categorical Pretreatment Standards
 15. Color. The optical density at the visual wave length of maximum absorption, relative to distilled water. One hundred percent (100%) transmittance is equivalent to zero (0.0) optical density.
 16. Composite Sample. The sample resulting from the combination of individual wastewater samples taken at selected intervals based on an increment of either flow or time.
 17. Control Authority. The Loxahatchee River Environmental Control District (District).
 18. Cooling Water/Non-Contact Cooling Water. Water used for cooling which does not come into direct contact with any raw material, intermediate product, waste product, or finished product.

Cooling water may be generated from any use, such as air conditioning, heat exchangers, cooling or refrigeration to which the only pollutant added is heat.

19. Daily Maximum. The arithmetic average of all effluent samples for a pollutant collected during a calendar day.
20. Daily Maximum Limit. The maximum allowable discharge limit of a pollutant during a calendar day. Where Daily Maximum Limits are expressed in units of mass, the daily discharge is the total mass discharged over the course of the day. Where Daily Maximum Limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.
21. Disposal Facility. A permitted or certified waste management facility that is authorized to receive interceptor waste.
22. Discharge. The introduction of pollutants or other material or substance into the POTW from any from any nondomestic source regulated under Chapter 403, F.S.
23. Domestic User (Residential User). Any person who contributes, causes, or allows the contribution of wastewater into the District POTW that is of a similar volume and/or chemical make-up to that of a residential dwelling unit. Discharges from a residential dwelling unit typically include up to 100 gallons per capita per day, 0.17 pounds of BOD per capita per day, and 0.2 pounds of TSS per capita per day.
24. Environmental Protection Agency (EPA). The U.S. Environmental Protection Agency.
25. Executive Director. Serves as the District's Chief Executive Officer, and has overall responsibility for management of the District in accordance with the District's Enabling Legislation, Rules, policies and general direction as set by the Governing Board. Responsible for overseeing the current and long-range planning so that required services are provided efficiently as the characteristics of the area change, and coordinate with other political and administrative government entities.
- ~~25~~.26. Exemption. Exemptions to specific District requirements may be granted when specific criteria are met. Exemptions will be issued on a case-by-case basis by the District's Director of Engineering.
- ~~26~~.27. Existing Source. Any source of discharge that is not a "New Source."
- ~~27~~.28. Existing User. Any non-categorical User which was discharging wastewater prior to the effective date of this Rule.
- ~~28~~.29. Food Service Establishment. A restaurant, cafeteria, lunchroom, food stand, saloon, tavern, bar, lounge, or other similar facility operated as an enterprise engaged in the business of selling food to the public.

- 29.30. Grab Sample. A sample that is taken from a wastestream without regard to the flow in the wastestream and over a period of time not to exceed fifteen (15) minutes.
- 30.31. Grease Interceptor. A control device that is designed to intercept fats, oil, and grease from wastewater discharged from specific establishments, until they can be removed and disposed of by a waste hauler. It is typically a large liquid retention box with a minimum of two compartment which are separated by baffles and which are installed underground.
- 31.32. Hauler. A company that removes and properly disposes of waste collected by any type of interceptor unit.
- 32.33. Hazardous Waste Pharmaceutical. A pharmaceutical that is a solid waste, as defined in Title 40 of the Code of Federal Regulations (40 CFR) section 261.2, and exhibits one or more characteristics identified in 40 CFR part 261 subpart C or is listed in 40 CFR part 261 subpart D.
- 33.34. Healthcare Facility. Any organization or person that is lawfully authorized to:
- a. Provide preventative, diagnostic, therapeutic, rehabilitative, maintenance or palliative care, and counseling, service, assessment or procedure with respect to the physical or mental condition, or functional status, of a human or animal or that affects the structure or function of the human or animal body; or
 - b. Distribute, sell, or dispense pharmaceuticals. This definition includes, but is not limited to, wholesale distributors, third-party logistics providers that serve as forward distributors, military medical logistics facilities, hospitals, psychiatric hospitals, ambulatory surgical centers, health clinics, physicians' offices, optical and dental providers, chiropractors, long-term care facilities, ambulance services, pharmacies, long-term care pharmacies, mail-order pharmacies, retailers of pharmaceuticals, veterinary clinics, and veterinary hospitals. Healthcare facility does not include pharmaceutical manufacturers.
- 34.35. Indirect Discharge or Discharge. The introduction of pollutants into the POTW from any non-domestic source.
- 35.36. Instantaneous Limit. The maximum concentration of a pollutant allowed to be discharged at any time, determined from the analysis of any discrete or composited sample collected, independent of the industrial flow rate and the duration of the sampling event.
- 36.37. Interference. A discharge which alone or in conjunction with a discharge or discharges from other sources, either:
- a. Inhibits or disrupts the POTW, its treatment processes or operations;
 - b. Inhibits or disrupts its biosolids processes, use or disposal; or
 - c. Is a cause of a violation of the District's NPDES permit or of the prevention of sewage biosolids use or disposal in compliance with any of the following statutory/ regulatory provisions or permits issued thereunder (or more stringent State or local regulations): Section 405 of the Clean Water Act; the Solid Waste Disposal Act (SWDA), including Title II commonly referred to as the Resource Conservation and Recovery Act (RCRA); any State regulations contained in any State biosolids management plan prepared pursuant

to Subtitle D of the SWDA; the Clean Air Act; the Toxic Substances Control Act; and the Marine Protection, Research, and Sanctuaries Act.

37.38. ISO 11143. The International Organization for Standardization's standard for amalgam separators.

38.39. Lint Interceptor. A device designed and intended to capture and prevent lint and other debris from being discharged into the POTW.

39.40. Local Limit(s). Specific discharge limit(s) developed and enforced by the District upon industrial or commercial facilities to implement the general and specific discharge prohibitions listed in Rule 62-625.400(1)(a) and (2), F.A.C. Refer to Sections 2.1 A and B for a list of prohibitions.

40.41. Long Term Average. An average based on production over an extended period of time which captures a normal range of flow variation and constituent concentrations.

41.42. Medical Wastes. Isolation wastes, infectious agents, human blood and blood products, pathological wastes, sharps, body parts, contaminated bedding, surgical wastes, potentially contaminated laboratory wastes, and dialysis wastes.

42.43. Method Detection Limit. An estimate of the minimum amount of a substance that an analyte process can reliably detect. An MDL is analyte-specific and matrix-specific and is laboratory dependent.

43.44. Monthly Average. The sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

44.45. Monthly Average Limit. The highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

45.46. Narrative Standard. A standard or criterion expressed in words rather than numerically.

46.47. New Source.

- a. Any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced after the publication of proposed categorical pretreatment standards under Section 307 of the Clean Water Act which will be applicable to such source if such standards are thereafter promulgated in accordance with that section, provided that:
 - i. The building, structure, facility, or installation is constructed at a site at which no other source is located; or
 - ii. The building, structure, facility, or installation totally replaces the process or production equipment that causes the discharge of pollutants at an existing source; or
 - iii. The production or wastewater generating processes of the building, structure, facility, or installation are substantially independent of an existing source at the

same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity as the existing source, should be considered.

- b. Construction on a site at which an existing source is located results in a modification rather than a new source if the construction does not create a new building, structure, facility, or installation meeting the criteria of Section (1) (b) or (c) above but otherwise alters, replaces, or adds to existing process or production equipment.
- c. Construction of a new source as defined under this paragraph has commenced if the Owner or operator has:
 - i. Begun, or caused to begin as part of a continuous on-site construction program
 - 1. Any placement, assembly, or installation of facilities or equipment; or
 - 2. Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or
 - ii. Entered into a binding contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.

47.48. New User. A "New User" is a User that is not regulated under federal categorical pretreatment standards but that applies to the District for a new building permit or occupies an existing building and plans to commence discharge of wastewater to the District's collection system after the effective date of this Rule. Any person that buys an existing facility that is discharging non-domestic wastewater will be considered an "existing User" if no significant changes are made in the manufacturing operation.

48.49. Non-contact Cooling Water. Water used for cooling that does not come into direct contact with any raw material, intermediate product, waste product, or finished product.

49.50. Non-significant categorical industrial User (NSCIU). Means an industrial User that discharges 100 gallons per day (gpd) or less of total categorical wastewater (excluding sanitary, non-contact cooling and boiler blowdown wastewater, unless specifically included in the pretreatment standard) and:

- a. Has consistently complied with all applicable categorical pretreatment standards and requirements;
- b. Annually submits the certification statement required in Rule 62-625.600(17), F.A.C., together with any additional information necessary to support the certification statement; and
- c. Never discharges any untreated categorical process wastewater.

50.51. North American Industry Classification System (NAICS). Groups together and identifies establishments that use the same or similar processes to produce goods or services. Developed jointly by the U.S., Canada, and Mexico to provide comparable statistics about business activity across North America. NAICS has replaced and supersedes the U.S. Standard Industrial Classification (SIC) system.

NAICS		SIC	
2-digit	Sector	Division	Letter
3-digit	Subsector	Major Group	2-digit
4-digit	Industry Group	Industry Group	3-digit
5-digit	NAICS Industry	Industry	4-digit
6-digit	National	N/A	N/A

NAICS vs. SIC: Structure and Nomenclature

51.52. **Oil/Sand Interceptors.** A device designed and intended to separate and capture oil, sand, dirt and other debris from being discharged into the POTW

52.53. **Originator.** A facility that produces any type of products, byproducts, or pollutants other than domestic waste which are discharged into the POTW.

53.54. **PFAS.** Also known as “per-and polyfluoroalkyl” substances are made up of PFOS (perfluorooctane sulfonic acid) and PFOA (perfluorooctanoic acid). It is a group of chemicals used to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water.

54.55. **PFOS.** Also known as Perfluorooctane sulfonic acid make up perfluorinated alkylated substances (PFAS). This group of chemicals is commonly used in a wide range of industrial processes and is found in many consumer products. PFOS has been used in stain-resistant fabrics, fire-fighting foams, food packaging, and as a surfactant in industrial processes.

55.56. **PFOA.** Also known as perfluorooctanoic acid, is a man-made chemical usually found in products that resist sticking, heat, water, stains, and grease.

56.57. **Pass Through.** A discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the District's NPDES permit (including an increase in the magnitude or duration of a violation).

57.58. **Permittee.** A person or User issued a wastewater discharge permit.

58.59. **Person.** Any individual, partnership, co-partnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity, or any other legal entity; or their legal representatives, agents, or assigns. This definition includes all Federal, State, or local governmental entities.

59.60. **pH.** A measure of the acidity or alkalinity of a substance, expressed in standard units.

60.61. **Pharmaceutical.** Any drug or dietary supplement for use by humans or other animals; any electronic nicotine delivery system (e.g., electronic cigarette or vaping pen); or any liquid nicotine

(e-liquid) packaged for retail sale for use in electronic nicotine delivery systems (e.g., pre-filled cartridges or vials). This definition includes, but is not limited to, dietary supplements, as defined by the Federal Food, Drug and Cosmetic Act; prescription drugs, as defined by Title 21 of the Code of Federal Regulations part 203.3(y); over-the-counter drugs; homeopathic drugs; compounded drugs; investigational new drugs; pharmaceuticals remaining in non-empty containers; personal protective equipment contaminated with pharmaceuticals; and clean-up material from spills of pharmaceuticals. Pharmaceutical does not include dental amalgam or sharps.

61.62. Plant Manager. The person designated by the District to supervise the operation of the POTW, and who is charged with certain duties and responsibilities by this Rule. The term also means a Duly Authorized Representative of the District.

62.63. Pollutant. Any dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage biosolids, munitions, medical wastes, chemical wastes, biological materials, radioactive materials, heat, wrecked or discharged equipment, rock, sand, cellar dirt, agricultural and industrial wastes, and the characteristics of the wastewater [i.e., pH, temperature, TSS, turbidity, color, BOD, Chemical Oxygen Demand (COD), toxicity, or odor].

63.64. Pretreatment. The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to (or in lieu of) introducing such pollutants into the POTW. This reduction or alteration can be obtained by physical, chemical, or biological processes; by process changes; or by other means (except by diluting the concentration of the pollutants unless allowed by an applicable pretreatment standard).

64.65. Pretreatment Requirement. Any substantive or procedural requirement related to pretreatment imposed on a User, other than a pretreatment standard.

65.66. Pretreatment Standards or Standards. Prohibited discharge standards, categorical pretreatment standards, and local limits and/or BMPs established by the District.

66.67. Prohibited Discharge Standards or Prohibited Discharges. Absolute prohibitions against the discharge of certain substances, which appear in Sections 2.1 (A) and (B) of this Rule.

67.68. Publicly Owned Treatment Works (POTW). A "treatment works," as defined by Section 212 of the Act (33 U.S.C. 1292) which is owned by the District. This definition includes any devices or systems used in the collection, storage, treatment, recycling, and reclamation of sewage or industrial wastes of a liquid nature and any conveyances which convey wastewater to a treatment plant.

68.69. Reclaimed Water. Water that has received at least secondary treatment and basic disinfection and is reused after flowing out of the wastewater treatment facility (FDEP Chapter 62-610 FAC).

69.70. Removal. A reduction in the amount of a pollutant in the POTW's effluent or alteration of the nature of a pollutant during treatment at the POTW. The reduction or alteration can be

obtained by physical, chemical, or biological means and may be the result of specifically designed POTW capabilities or may be incidental to the dilution of a pollutant in the POTW.

70.71. Reverse Distributor. Any person that receives and accumulates prescription pharmaceuticals that are potentially creditable hazardous waste pharmaceuticals for the purpose of facilitating or verifying manufacturer credit. Any person, including forward distributors, third-party logistics providers, and pharmaceutical manufacturers, that processes prescription pharmaceuticals for the facilitation or verification of manufacturer credit is considered a reverse distributor.

71.72. Septic Tank Waste. Any sewage from holding tanks such as vessels, chemical toilets, campers, trailers, and septic tanks.

72.73. Severe Property Damage. Substantial physical damage to property that causes the property to become inoperable, or substantial and permanent loss of natural resources. Severe property damage does not mean economic loss caused by delays in production.

73.74. Sewage. Human excrement and/or gray water (household showers, dishwashing operations, etc.)

74.75. Sewer. Any pipe, conduit, ditch, or other device used to collect and transport sewage from the generating source.

75.76. Sewer System. Any plant, facility, or property, and additions, extensions, and improvements thereto at any future time constructed or acquired as part thereof, useful or necessary, or having the present capacity for future use in connection with the collection, treatment, purification, or disposal of sewage of any nature or originating from any source, including industrial wastes resulting from any processes of industry, manufacture, trade, or business, or from the development of any natural resources; and without limiting the generality of the foregoing definition shall include treatment plants, pumping stations, lift stations, valves, force mains, intercepting sewers, laterals, pressure lines, mains, and all necessary appurtenances and equipment; all sewer mains and laterals for the reception and collection of sewage from premises connected therewith; and shall include all real and personal property and any interest therein, rights, easements, and franchises of nature whatsoever relating to any such sewer system and necessary or convenient for the operation thereof.

76.77. Shall, May, Will. "Shall" and "Will" are mandatory, "May" is permissive.

77.78. Significant Industrial User (SIU).

- a. A User subject to categorical pretreatment standards; or
- b. A User that:
 - i. Discharges an average of 25,000 GPD or more of process wastewater to the POTW (excluding sanitary, non-contact cooling, and boiler blowdown wastewater); or
 - ii. Contributes a process waste stream which makes up five (5) percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or

- iii. Is designated as such by the District on the basis that it has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement.
- c. Upon a finding that a User meeting the criteria in Subsection (2) has no reasonable potential for adversely affecting the POTW's operation or for violating any applicable pretreatment standard or requirement, the District may at any time, on its own initiative or in response to a petition received from a User and in accordance with procedures in Rule 62-625.500(2)(e), F.A.C. determine that such User should not be considered a significant industrial User.

78.79. Significant Non-Compliance ("SNC"). For the purposes of this provision, a User is in significant non-compliance if its violation meets the criteria specified in Section 9 of this Rule.

79.80. Slug Load. Any discharge at a flow rate or concentration which could cause a violation of the discharge standards in Section 2.1 through 2.4 of this Rule or any discharge of a non-routine, episodic nature, including but not limited to, an accidental spill or a non-customary batch discharge.

80.81. Standard Industrial Classification (SIC) Code. A classification pursuant to the Standard Industrial Classification Manual issued by the United States Office of Management and Budget.

81.82. State. The State of Florida or an agency within the state government having relevant jurisdiction.

82.83. Storm Water. Any flow occurring during or following any form of natural precipitation, and resulting from such precipitation, including snowmelt.

83.84. Total Suspended Solids. The total suspended matter that floats on the surface of, or is suspended in, water, wastewater, or other liquid, and which is removable by laboratory filtering.

84.85. Treatment Plant Effluent. The discharge from the POTW into waters of the United States.

85.86. Upset. An exceptional incident in which there is unintentional and temporary non-compliance with applicable Pretreatment Standards because of factors beyond the reasonable control of the User.

86.87. User or Industrial User (IU). A non-domestic discharger introducing an industrial waste stream into the POTW.

87.88. Wastewater. Liquid and water-carried industrial wastes and sewage from residential dwellings, commercial buildings, industrial and manufacturing facilities, and institutions, whether treated or untreated, which are contributed to the POTW.

88.89. Wastewater Discharge Permit. An authorization or equivalent control document issued by the District to Users discharging wastewater to the POTW. The permit may contain appropriate pretreatment standards and requirements as set forth in this Rule.

89.90. Wastewater Treatment Plant or Treatment Plant. That portion of the POTW which is designed to provide treatment of municipal sewage and industrial waste. The use of the singular shall be construed to include the plural and the plural shall include the singular as indicated by the context of its use.

SECTION 2 - GENERAL SEWER USE REQUIREMENTS

2.1 Prohibited Discharge Standards

- A. General Prohibitions: No User shall introduce or cause to be introduced into the POTW any pollutant or wastewater which causes Pass Through or Interference. These general prohibitions apply to all Users of the POTW whether or not they are subject to categorical pretreatment standards or any other National, State, or local pretreatment standards or requirements.
- B. Specific Prohibitions: No User shall introduce or cause to be introduced into the POTW the following pollutants, substances, or wastewater:
- (1) Pollutants which create a fire or explosive hazard in the POTW, including, but not limited to, wastestreams with a closed-cup flash point of less than 140° F (60° C) using the test methods specified in Chapter 62-730, F.A.C;
 - (2) Wastewater having a pH less than 5.0 or more than 9.5, or otherwise causing corrosive structural damage to the POTW or equipment;
 - (3) Solid or viscous substances in amounts which will cause obstruction of the flow in the POTW resulting in Interference; such as, but not limited to, ashes, bones, cinders, sand, mud, grass clippings, straw, spent grains, spent lime, stone or marble dusts, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair, hide or fleshings, entrails and paper dishes, cups, milk containers, either whole or ground garbage grinders, tar asphalt residues, residues from refining or processing of fuel or lubricating oil, or glass grinding or polishing wastes;
 - (4) Pollutants, including biological oxygen-demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause Pass Through or Interference with the POTW;
 - (5) Wastewater having a temperature which will inhibit biological activity in the treatment plant resulting in Interference, but in no case wastewater which causes the temperature at the introduction into the treatment plant to exceed 104° F (40° C);
 - (6) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin, in amounts that will cause Interference or Pass Through;
 - (7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
 - (8) Any trucked or hauled pollutants, except at discharge points designated by the District in accordance with Section 3.5 of this Rule. All industrial or septic waste haulers shall have a discharge permit issued by the Palm Beach County Health Unit or Martin County Health Unit. No hauled load may be discharged without prior written consent from the District. Samples may be collected from each load to ensure compliance

with applicable standards. The hauler may be required to provide waste analysis of any load prior to discharge. The hauler must provide a waste tracking form for every load. The form shall include, at a minimum, the name and address of the waste hauler, permit number, truck identification, names and addresses of sources of waste, volume and characteristics of waste. This form shall identify the type of industry, known or suspected waste constituents, and whether any wastes are Resource Conservation and Recovery Act (RCRA) hazardous wastes;

- (9) Noxious or malodorous liquids, gases, solids, or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or a hazard to life or health, or to prevent entry into the sewers for maintenance or repair;
- (10) Wastewater which imparts color which cannot be removed by the treatment process, such as, but not limited to dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent, thereby violating the District's NPDES permit;
- (11) Wastewater containing any radioactive wastes or isotopes except in compliance with applicable State or Federal regulations;
- (12) Storm water, surface water, ground water, artesian well water, roof runoff, subsurface drainage, swimming pool drainage, condensate, deionized water, non-contact cooling water, and unpolluted wastewater, unless specifically authorized by the District;
- (13) Any sludge, screenings, or other residues from the pretreatment of industrial wastes or from industrial processes;
- (14) Medical wastes, except as specifically authorized by the District;
- (15) Wastewater causing, alone or in conjunction with other sources, the treatment plant's effluent to fail a toxicity test;
- (16) Detergents, surface-active agents, or other substances which may cause excessive foaming in the POTW;
- (17) Fats, oils, or greases of animal or vegetable origin in concentrations greater than 100.0 mg/l;
- (18) Any substance which will cause the POTW to violate its NPDES and/or other disposal system permits.
- (19) Any hazardous wastes as defined in rules published by the State of Florida or in Chapter 62-730, F.A.C.
- (20) Any hazardous waste pharmaceutical from a healthcare facility or reverse distributor.

Pollutants, substances, or wastewater prohibited by this Section shall not be processed or stored in such a manner that they could be discharged to the POTW.

2.2 National Categorical Pretreatment Standards

Users must comply with the categorical pretreatment standards found at 40 CFR Chapter I, Subchapter N, Parts 405–471.

- A. Where a categorical pretreatment standard is expressed only in terms of either the mass or the concentration of a pollutant in wastewater, the District may impose equivalent concentration or mass limits in accordance with requirements specified in Rule 62-625.410(4), F.A.C..
- B. When the limits in a categorical pretreatment standard are expressed only in terms of mass of pollutant per unit of production, the District may convert the limits to equivalent limitations expressed either as mass of pollutant discharged per day or effluent concentration for purposes

of calculating effluent limitations applicable to individual Users, in accordance with requirements specified in Rule 62-625.410(4), F.A.C..

- C. When wastewater subject to a categorical pretreatment standard is mixed with wastewater not regulated by the same Standard, the District shall impose an alternate limit in accordance with Rule 62-625.410(6), F.A.C.

2.3 State Requirements

State requirements and limitations on discharges to the POTW shall be met by all Users which are subject to such standards in any instance in which they are more stringent than federal requirements and limitations or those in this Rule or in other applicable Rules, regulations or ordinances.

2.4 Local Limits

A. The District is authorized to establish Local Limits pursuant to Rule 62-625.400(3), F.A.C.

- (1) No person shall discharge wastewater containing pollutants in excess of the local limits for those pollutants which have been established for the District's POTW using standard procedures, calculations and methods acceptable to FDEP to protect against Pass Through, Interference, protection of POTW employees, and adverse effects on wastewater residuals disposal. No User shall discharge process waste streams, unregulated waste streams, or dilute waste streams in excess of the concentrations set forth by the District. Local limits shall be included as permit conditions and attached to each SIU wastewater permit issued.
- (2) Established local limits are subject to change and shall be modified as needed based on regulatory requirements and standards, POTW operation, performance and processes, the District's User base, potable water quality and domestic wastewater characteristics. Modifications to the established local limits must be reviewed and approved by FDEP prior to implementation. Implementation shall be effective 30 days from notice of acceptance of the modified limits by FDEP. Permitted SIUs shall also be issued an addendum to their wastewater discharge permit containing the new local limits.

B. The following pollutant limits are established to protect against Pass Through and Interference.

No User shall discharge wastewater containing in excess of the following Instantaneous Limits:

- 0.24 mg/l arsenic
- 400 mg/l BOD5
- 0.18 mg/l cadmium
- 2.67 mg/l chromium
- 16.3 mg/l copper
- 0.64 mg/l cyanide
- 3.30 mg/l lead
- 0.41 mg/l mercury
- 0.27 mg/l molybdenum
- 1.94 mg/l nickel
- 0.34 mg/l selenium
- 4.44 mg/l silver
- 1.66 mg/l zinc
- 400 mg/l total suspended solids
- 100 mg/l Fats, oils and grease

< 5.5 pH
> 9.5 pH
150° F Temperature

The above limits apply at the point where the wastewater is discharged to the POTW. All concentrations for metallic substances are for total metal unless indicated otherwise. The District may impose mass limitations in addition to the concentration-based limitations above. Where a User is subject to a categorical pretreatment standard and a local limit for a given pollutant, the more stringent limit or applicable pretreatment standard shall apply.

C. The District may develop Best Management Practices (BMPs), by rule or in individual wastewater discharge permits, to implement Local Limits and the requirements of Section 2.1 of this Rule.

2.5 District's Right of Revision

The District reserves the right to establish, by Rule or in industrial wastewater discharge permits, more stringent standards or requirements on discharges to the POTW consistent with the purpose of this Rule.

2.6 Dilution

No User shall ever increase the use of process water, or in any way attempt to dilute a discharge, as a partial or complete substitute for adequate treatment to achieve compliance with an applicable pretreatment standard or requirement unless expressly authorized by an applicable pretreatment standard or requirement. The District may impose mass limitations on Users which it believes may be using dilution to meet applicable pretreatment standards or requirements or in other cases when the imposition of mass limitations is appropriate.

SECTION 3—PRETREATMENT OF WASTEWATER

3.1 Pretreatment Facilities

Users shall provide necessary wastewater treatment as necessary to comply with this Rule and shall achieve compliance with all applicable Pretreatment Standards, Local Limits, and the prohibitions set out in Section 2.1 of this Rule within the time limitations specified by the EPA, the State of Florida, or the District, whichever is more stringent. Any facilities necessary for compliance shall be provided, operated, and maintained at the User's expense. Detailed plans showing the pretreatment facilities and operating procedures shall be submitted to the District for review and shall be acceptable to the District before such facilities are constructed. The review of such plans and operating procedures will in no way relieve the User from the responsibility of modifying such facilities as necessary to produce discharge acceptable to the District under the provisions of this Rule.

3.2 Additional Pretreatment Measures

A. Whenever deemed necessary, the District may require Users to restrict their discharge during peak flow periods, designate that certain wastewater be discharged only into specific sewers, relocate and/or consolidate points of discharge, separate sewage wastestreams from industrial

wastestreams, and such other conditions as may be necessary to protect the POTW and determine the User's compliance with the requirements of this Rule.

B. The District may require any person discharging into the POTW to install and maintain, on their property and at their expense, a suitable storage and flow control facility to ensure equalization of flow. An individual wastewater discharge permit may be issued solely for flow equalization.

C. Fats, Oils and Grease Compliance Monitoring Program

1. Grease, oil/sand and lint interceptors shall be provided when, in the opinion of the District, they are necessary for the proper handling of wastewater containing excessive amounts of grease, oil/sand, and lint, except that such interceptors shall not be required for residential users. All Interceptors construction shall be in accordance with the District's Minimum Construction Standards, Section 122 and shall meet all applicable standards in Chapter 64E-6, Florida Administrative Code and in compliance with the 2020 Florida Building Code Plumbing, Chapter 10 Traps, Interceptors and Separators, Section 1003.3.5. All interceptors must be approved by the District Engineer.

(a) Grease Interceptors shall be located outside the building with a minimum capacity of 750 gallons and shall be installed in series when multiple tanks are required and shall not be shared. All equipment and kitchen plumbing fixtures in any Food Service Establishment shall be connected to a common drain line which routes all wastewater flow through the grease interceptor, including but not limited to scullery sinks, pots and pan sinks, floor drains, pre-wash sinks, dishwashers, automatic hood wash units, indoor garbage can washes. Under the counter grease traps are not allowed under any circumstance.

(b) Oil/Sand Interceptors are required for all car washes and establishments with facilities for servicing vehicles/mechanical equipment. All plumbing (other than restrooms) from the area where repairs and maintenance are performed shall be connected to an oil/sand interceptor; this includes but is not limited to floor drains and hand wash sinks. Engine oil, transmission oil, coolant, solvents, additives, brake fluid or any other fluid collected in the process of servicing vehicles/mechanical equipment shall not be discharged into the interceptor or any other plumbing fixture; the handling and

(c) Lint Interceptors are required for all laundromats and establishments with a central laundry room with five (5) washing machines or more. Interceptors shall be equipped with a wire basket or similar device which is removable for cleaning and prevents the passage of solids $\frac{1}{2}$ " or larger in size, strings, rags, buttons or other materials detrimental to the wastewater facilities. Lint interceptors shall be sized based on the following formula: Number of washers x 2 cycles per hour x 20gallons per cycle flow rate x 2.0 hours retention time x 1.5 storage factor.

2. All interceptors shall be inspected on a semi-annual basis, at a minimum. Additionally, all interceptors will have a structural inspection performed by District staff on a 5-year

basis pending no change in ownership or operational modifications. The structural inspection will require the interceptor to be pumped out, pressure washed and cleaned of all contents at the Owner's expense, in advance of the scheduled inspection date. If any facility that has a interceptor installed, submits for change of ownership or operation, then a structural inspection will be required (if not already completed within the past 6 months) as part of the District's review and approval process.

3. The maintenance of all interceptors shall be the sole responsibility of the Owner. Maintenance shall include the proper removal and disposal, by appropriate means, of the captured material and the maintenance of records of the dates and the means of disposal. All maintenance records shall be subject to review by the District. Any removal and hauling of the collected materials must be performed by a licensed waste disposal firm in accordance with Federal, State and local regulatory requirements.
 - (a) If inspection of the interceptor(s) performed by the District's Industrial Pretreatment Coordinator is found to be out of compliance and the User is notified by letter, the User shall have all deficiencies outlined in the notice of non-compliance letter corrected within thirty (30) days from the date of the letter and a copy of the invoice for all work completed must be submitted to the District's Industrial Pretreatment Coordinator for verification and recordkeeping purposes.
 - (b) Senate Bill 1110 (Grease Waste Removal and Disposal) requires grease waste haulers to dispose of grease waste, including grease waste from grease interceptors, traps and graywater, at registered disposal facilities and to document grease waste removal and disposal with a service manifest. The manifest shall provide a cradle to grave record of the production, transport and proper disposal of all interceptor contents.

Upon completion of grease removal, the *Originator* must;

- i. Sign the manifest verifying that the information is accurate and
- ii. Retain a copy of the service manifest onsite for a minimum of one year.

Upon completion of grease removal, the *Hauler* must;

- i. Document the removal and disposal of the grease waste in the service manifest
- ii. Verify the information is accurate with the Originator and the disposal facility operator and sign the service manifest.
- iii. Provide a copy of the signed service manifest to the Originator.
- iv. Sign the service manifest, verifying that the information is accurate.
- v. Provide the Originator and the county and municipality in which the Originator is located with a copy of the completed service manifest showing the signatures of the Originator, the Hauler and the disposal facility operator within 30 days after the date of the disposal

Upon completion of grease waste disposal, the disposal facility must;

- i. Sign the service manifest verifying that the information is accurate.

- (c) There are instances where food service establishments may not be required to provide a grease interceptor. In these instances, an Exemption from a grease interceptor may

issued by the District. In order to qualify for an Exemption, the following minimum criteria must be met:

- No food preparation on-site;
- The following equipment is prohibited from being on-site: oven, dishwasher, stove top, cooking surfaces/griddle, fryers, ranges, or any equipment used to cook food, including pre-cooked frozen food;
- Only pre-made food may be allowed to be heated on-site using the following equipment: toasters, microwaves or sandwich presses;
- Traditional and/or convection ovens which have a microwave feature, or which utilize microwaves to accelerate preparation times are not permitted;
- No reusable buffet serving basins used on-site;
- If serving food on-site, all food is served on paper/plastic plates using disposable utensils or in the pre-packaging it was brought on-site in.

If the above criteria cannot be met or if it is determined that after an Exemption has been issued by the District, the above criteria can no longer be met, then a District-approved grease interceptor must be installed. Failure to do so will result in a violation of this Rule, and may result in fines as well as outlined in Section 10.6 (Administrative Fines) of the Rule.

- D. Users with the potential to discharge flammable substances may be required to install and maintain an approved combustible gas detection meter(s).
- E. When a property's discharge may be injurious to the District's systems or may violate the Rules of the District, the Owner of any property serviced by a building sewer carrying wastes shall, at the request of the District, install a suitable structure together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such structures when required, shall be accessible and safely located and shall be constructed in accordance with plans approved by the District. The structure shall be installed by the Owner at the Owner's expense and shall be maintained by the Owner so as to be safe and accessible at all times.
- F. The District will have the right to require a User or an Owner to provide access for inspection of all services including making copies thereof, and to provide information needed to determine compliance with this Rule. These requirements may include:
 - (1) Wastewaters discharge peak rate and volume over a specified time period;
 - (2) Chemical analyses of wastewaters;
 - (3) Information on raw materials, processes, and products affecting wastewater volume and quality;
 - (4) Quantity and disposition of specific liquid, sludge, oil, solvent, or other materials important to sewer use control;
 - (5) A plot plan of sewers on the User's or Owner's property showing sewer and pretreatment facility locations;
 - (6) Details of wastewater pretreatment facilities;
 - (7) Details of systems to prevent and control the losses of materials through spills to any District sewer.

G. Per-and-Polyfluorinated Substances (PFAS)

1. PFAS compounds are used in industries such as aerospace, automotive, construction, and electronics. PFAS compounds are also applied in a variety of industrial, agricultural, military and commercial products, including firefighting foams, stain-or water-repellant, fabric coating and non-stick cookware. Henceforth, the District may require all IUs to sample their effluent for PFAS using the limits established for drinking water standards and as outlined under the health advisory level, provided by the Florida Health Department, as a not to exceed limit. The purpose of this is to ensure that the reclaimed water produced by the District for irrigation purposes, the biosolids produced from de-water sludge, and the disposal of wastewater by underground injection wells does not add additional contamination of PFAS compounds to the soil and/or groundwater with the primary objective of protecting public health and welfare.
2. Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) are part of a group of chemicals called perfluoroalkyl substances (PFASs). These are a family of man-made compounds that do not occur naturally. They break down very slowly and may also get into drinking water wells. PFAS are found in the blood of people, animals and in the environment (groundwater, air, soil), as well as produce products, such as vegetables and fruits.
3. While there are currently no wastewater standards for PFAS, as of June 2022, EPA has set a health advisory (HA) level of 0.004 part per trillion (ppt) for PFOA and 0.02 part per trillion (ppt) for PFOS. The HA level is stipulated for combined concentrations of PFOS and PFOA. This level is set to be protective for both cancer and non-cancer effects over a lifetime. All discharges to the District's POTW shall be less than 150% of any defined regulatory limit and/or HA level for drinking water. Analytical analysis of PFAS samples shall be performed using EPA Method 1633.

H. Publicly Owned Water and/or Wastewater Treatment Byproduct Waste Limits

1. When deemed appropriate for the benefit of one or more publicly owned utility and their respective rate payers, and when it is determined to be in the best interest of public health and welfare and the environment, the District may elect to enter into an Interlocal Agreement with another publicly owned water and/or wastewater utility. When executing these types of agreements it is essential for the District to set numerical limits for specific constituents to ensure that the quality of the treated secondary effluent, irrigation quality (i.e., reclaimed) water and dewatered biosolids are relatively unaffected by the introduction and incorporation of any byproduct waste stream.
2. All byproduct waste streams to be received by the District from any publicly owned utility shall be less than or equal to the following numerical limits as measured on a monthly average basis.

Quantitative Criteria for Byproduct Waste Streams	
Parameter	Numerical Limit
TDS	2,000 mg/l
Chloride	272 mg/l

Calcium	588 mg/l
Magnesium	29 mg/l
Potassium	11 mg/l
Sodium	98 mg/l
Sulfate	600 mg/l
Ph	7.7

3.3 Dental Facilities that Remove or Place Amalgam Fillings

- A. All Owners and operators of dental facilities that remove or place amalgam fillings shall comply with the following reporting and waste management practices:
- (1) For dental facilities whose first discharge to the POTW occurred on or before January 16, 2020, the One-Time Compliance Report is due no later than October 12, 2020, or no later than 90 days after transfer of ownership.
 - (2) For dental facilities whose first discharge to the POTW occurred after January 16, 2020, the One-Time Compliance Report is due within 90 days of the start of discharge to the sewer collection system.
 - (3) No person shall rinse chairside traps, vacuum screens, or amalgam separators equipment in a sink or other connection to the sanitary sewer.
 - (4) Owners and operators of dental facilities shall ensure that all staff members who handle amalgam waste are trained in the proper handling, management and disposal of mercury-containing material and fixer-containing solutions and shall maintain training records that shall be available for inspection by the District during normal business hours.
 - (5) Amalgam waste shall be stored and managed in accordance with the instructions of the recycler or hauler of such materials.
 - (6) Bleach and other chlorine-containing disinfectants shall not be used to disinfect the vacuum line system.
 - (7) The use of bulk mercury is prohibited. Only pre-capsulated dental amalgam is permitted.
- B. All Owners and operators of dental vacuum suction systems, except as set forth in subsections (C) and (D) of this Section, shall comply with the following:
- (1) An ISO 11143 or ANSI/ADA Standard No. 108 certified amalgam separator or equivalent device shall be installed for each dental vacuum suction system on or before July 14, 2020; provided, however, that all dental facilities that are newly constructed on and after the effective date of this Rule shall include an installed ISO 11143 or ANSI/ADA Standard No. 108 certified amalgam separator device. The installed device must be ISO 11143 or ANSI/ADA Standard No. 108 certified as capable of removing a minimum of 95 percent of amalgam. The amalgam separator system shall be certified at flow rates comparable to the flow rate of the actual vacuum suction system operation. Neither the separator device nor the related plumbing shall include an automatic flow bypass. For facilities that require an amalgam separator that exceeds the practical capacity of ISO 11143 test methodology, a non-certified separator will be accepted, provided that smaller units from the same manufacturer and of the same technology are ISO-certified.

- (2) Proof of certification and installation records shall be submitted to the District within 30 days of installation.
 - (3) Amalgam separators shall be maintained in accordance with manufacturer recommendations. Installation, certification, and maintenance records shall be available for immediate inspection upon request therefor by the District during normal business hours. Records shall be maintained for a minimum of three years.
- C. Facilities with vacuum suction systems that meet all the following conditions may apply to the District for an exemption to the requirements of subsection (B) of this Section:
- (1) The system is a dry vacuum pump system with an air-water separator.
 - (2) The sedimentation tank is non-bottom draining, with the drain above the anticipated maximum level of accumulated sludge.
 - (3) Evidence of regular pump outs by a licensed hauler (a minimum of once a year, or more often if either directed by the manufacturer or necessary to keep solids from exiting through the drain) is maintained and available for audit by the District during normal business hours.
 - (4) The system has no direct discharge pipe to the sewer on the bottom of the sedimentation tank.

An Owner or operator whose facility meets conditions (1) through (4) may apply for this exemption by written letter to the District. The District will review the system and, if the exemption is approved, shall provide a written letter of exemption. An exemption obtained pursuant to this subsection (C) shall expire upon installation of a new vacuum system. Upon expiration of the exemption, the facility shall comply with subsection (B) of this Section before commencing further operation.

- D. Dental dischargers that exclusively practice one or more of the following specialties are not subject to the requirements of this Section: (1) Orthodontics; (2) Periodontics; (3) Oral and maxillofacial surgery; (4) Radiology; (5) Oral pathology or oral medicine; (6) Endodontistry and prosthodontistry.
- E. Dental practices that do not place dental amalgam, and do not remove amalgam except in limited emergency or unplanned, unanticipated circumstances, are exempt from the requirements of this part, provided the dental practice:
- (1) Submits the following statement to the District, signed by a responsible corporate officer, general partner, proprietor, or a duly authorized representative by the applicable compliance deadline identified in Section 3.3A:

“This facility is a dental discharger subject to this rule and does not place or remove dental amalgam except in limited emergency or unplanned, unanticipated circumstances. I am a responsible corporate officer, a general partner or proprietor (if the facility is a partnership or sole proprietorship), or a duly authorized representative in accordance with the requirements of § 403.12(l) of the above named dental facility, and certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are

significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

- (2) Removes dental amalgam for limited emergency or unplanned, unanticipated circumstances, less than 48 times per year and as no more than 5% of dental procedures; and
 - (3) The dental practice notifies the District of any changes affecting the applicability of this certification.
- F. Disposal of hauled wastewater from dental facilities to the sanitary sewer must be in accordance with Section 2 General Sewer Use Requirements and Section 3.5 Hauled Wastewater and may be subject to industrial Pretreatment Requirements.
- G. Dental dischargers that fail to comply with this Section will be considered a SIU, and will be subject to the requirements herein, including Section 6 Reporting Requirements, Section 7 Compliance Monitoring, Section 10 Administrative Enforcement Remedies, and/or Section 11 Judicial Enforcement Remedies.

3.4 Accidental Discharge / Slug Discharge Control Plans

The District shall evaluate whether each SIU needs an accidental discharge/slug discharge control plan or other action plan to control Slug Discharges. The District may require an SIU to develop, submit for approval, and implement such a plan or take such other action that may be necessary to control Slug Discharges. Alternatively, the District may develop such a plan for any SIU. An accidental discharge/slug discharge control plan shall address, at a minimum, the following:

- A. Description of discharge practices, including non-routine batch discharges;
- B. Description of stored chemicals;
- C. Procedures for immediately notifying the District of any accidental or Slug Discharge, as required by Section 4.5 of this Rule; and
- D. Procedures to prevent adverse impact from any accidental or Slug Discharge. Such procedures include, but are not limited to, inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, including solvents, and/or measures and equipment for emergency response.

3.5 Hauled Wastewater

Hauled industrial waste may not be introduced to the POTW.

Septic tank waste may be introduced into the POTW only at a designated receiving structure within the treatment plant area, and at such times as are established by the District. Such wastes shall not violate Section 2 of this Rule or any other requirements established or adopted by the District. Discharge permits for individual vehicles to use such facilities are required and shall be issued by the Plant Manager.

- A. Septic tank waste haulers may only discharge loads at locations specifically designated by the District. No load may be discharged without prior consent of the Plant Manager. The on-duty Operator shall collect samples of each hauled load to ensure compliance with applicable

pretreatment standards. The District may require the hauler to provide a waste analysis of any load prior to discharge.

- B. Septic tank waste haulers will be provided, by the Plant Manager, with a waste tracking form for every load. This form shall include, at a minimum, the name and address of the waste hauler, permit number, truck identification, sources of waste, and volume and characteristics of waste.
- C. Fees for dumping hauled wastes are established as part of the District's Rule Chapter 31-10 Schedule of Rates, Fees, and Charges for the Users of the Regional Wastewater System.

SECTION 4 – INDIVIDUAL WASTEWATER DISCHARGE PERMITS

4.1 Wastewater Analysis

When requested by the District, a User must submit information on the nature and characteristics of its wastewater within 30 days of the request. The Plant Manager is authorized to prepare a form for this purpose and may periodically require Users to update this information.

4.2 Individual Wastewater Discharge Permit Requirement

- A. No Significant Industrial User shall discharge wastewater into the POTW without first obtaining an individual wastewater discharge permit from the District, except that a Significant Industrial User that has filed a timely application pursuant to Section 4.3 of this Rule may continue to discharge for the time period specified therein.
- B. The District may require other Users, including liquid waste haulers, to obtain individual wastewater discharge permits as necessary to carry out the purposes of this Rule.
- C. Any violation of the terms and conditions of an individual wastewater discharge permit shall be deemed a violation of this Rule and subjects the wastewater discharge permittee to the sanctions set out in Sections 10 through 12 of this Rule which are enforced in accordance with the procedures outlined in the District's Enforcement Response Plan (ERP). Obtaining an individual wastewater discharge permit does not relieve a permittee of its obligation to comply with all Federal and State Pretreatment Standards or Requirements or with any other requirements of Federal, State, and local law.

4.3 Individual Wastewater Discharge Permitting: Existing Connections

Any User required to obtain an individual wastewater discharge permit who was discharging wastewater into the POTW prior to the effective date of this Rule and that wishes to continue such discharges in the future shall, within forty-five (45) days after notification by the District, submit a permit application to the District in accordance with Section 4.5 of this Rule and shall not cause or allow discharges to the POTW to continue after ninety (90) days after the effective date of this Rule except in accordance with an individual wastewater discharge permit issued by the District.

4.4 Individual Wastewater Discharge Permitting: New Connections

Any User required to obtain an individual wastewater discharge permit who proposes to begin or recommence discharging into the POTW must obtain such permit prior to the beginning or recommencing of such discharge. An application for this individual wastewater discharge permit, in accordance with Section 4.5 of this Rule, must be filed at least 90 days prior to the date upon which any discharge will begin or recommence.

4.5 Individual Wastewater Discharge Permit Application Contents

- A. All Users required to obtain an individual wastewater discharge permit must submit a permit application. The District uses the State of Florida, Individual Industrial User Survey Application, from its Pretreatment Guidance Manual as a permit application. Categorical Users submitting the following information shall have complied with Rule 62-625.600(1), F.A.C. The District may require Users to submit all or some of the following information as part of a permit application:
- (1) Identifying Information.
 - a. The name and address of the facility, including the name of the operator and Owner.
 - b. Contact information, description of activities, facilities, and plant production processes on the premises;
 - (2) Environmental Permits. A list of any environmental control permits held by or for the facility.
 - (3) Description of Operations.
 - a. A brief description of the nature, average rate of production (including each product produced by type, amount, processes, and rate of production), and standard industrial classifications of the operation(s) carried out by such User. This description should include a schematic process diagram, which indicates points of discharge to the POTW from the regulated processes.
 - b. Types of wastes generated, and a list of all raw materials and chemicals used or stored at the facility which are, or could accidentally or intentionally be, discharged to the POTW;
 - c. Number and type of employees, hours of operation, and proposed or actual hours of operation;
 - d. Type and amount of raw materials processed (average and maximum per day);
 - e. Site plans, floor plans, mechanical and plumbing plans, and details to show all sewers, floor drains, and appurtenances by size, location, and elevation, and all points of discharge;
 - (4) Time and duration of discharges;
 - (5) The location for monitoring all wastes covered by the permit;
 - (6) Flow Measurement. Information showing the measured average daily and maximum daily flow, in gallons per day, to the POTW from regulated process streams and other streams, as necessary, to allow use of the combined wastestream formula set out in Section 2.2C of this Rule (and Rule 62-625.410(6), F.A.C.).
 - (7) Measurement of Pollutants.
 - a. The categorical pretreatment standards applicable to each regulated process and any new categorically regulated processes for existing sources.

- b. The results of sampling and analysis identifying the nature and concentration, and/or mass, where required by the Standard or by the District, of regulated pollutants in the discharge from each regulated process.
 - c. Instantaneous, Daily Maximum, and long-term average concentrations, or mass, where required, shall be reported.
 - d. The sample shall be representative of daily operations and shall be analyzed in accordance with procedures set out in Section 6.10 of this Rule. Where the Standard requires compliance with a Best Management Practice or pollution prevention alternative, the User shall submit documentation as required by the District or the applicable Standards to determine compliance with the Standard.
 - e. Sampling must be performed in accordance with procedures set out in Section 6.11 of this Rule.
- (8) If appropriate, Users shall submit a request for a monitoring waiver (or a renewal of an approved monitoring waiver) for a pollutant neither present nor expected to be present in the discharge based on Section 6.4 B of this Rule [and Rule 62-625.600(4)(c)1, F.A.C.].
- (9). Any other information as may be deemed necessary by the District to evaluate the permit application.
- B. Incomplete or inaccurate applications will not be processed and will be returned to the applicant for revision.

4.6 Application Signatories and Certifications

- A. All wastewater discharge permit applications, User reports and certification statements must be signed by an Authorized Representative of the User and contain the certification statement in Section 6.15 A of this Rule.
- B. If the designation of an Authorized Representative is no longer accurate because a different individual or position has responsibility for the overall operation of the facility or overall responsibility for environmental matters for the company, a new written authorization satisfying the requirements of this Section must be submitted to the District prior to or together with any reports to be signed by an Authorized Representative.
- C. A facility determined to be a Non-Significant Categorical Industrial User by the District pursuant to Section 1.4 (40) of this Rule must annually submit the signed certification statement in Section 6.15 B of this Rule [Note: See Rule 62-625.200(25)(c), F.A.C.].

4.7 Individual Wastewater Discharge Permit Decisions

The District will evaluate the data furnished by the User and may require additional information. Within forty-five (45) days of receipt of a complete individual wastewater discharge permit application, the District will determine whether or not to issue a discharge permit. The District may deny any application for any individual wastewater discharge permit.

SECTION 5—INDIVIDUAL WASTEWATER DISCHARGE PERMIT ISSUANCE

5.1 Individual Wastewater Discharge Permit Duration

An individual wastewater discharge permit shall be issued for a specified time period, not to exceed five (5) years from the effective date of the permit. An individual wastewater discharge permit may be issued for a period less than five (5) years, at the discretion of the District. Each individual wastewater discharge permit will indicate a specific date upon which it will be effective as well as the date it will expire.

5.2 Individual Wastewater Discharge Permit Contents

An individual wastewater discharge permit shall include such conditions as are deemed reasonably necessary by the District to prevent Pass Through or Interference, protect the quality of the water body receiving the treatment plant's effluent, protect worker health and safety, facilitate biosolids management and disposal, and protect against damage to the POTW.

A. Industrial wastewater discharge permits must contain:

- (1) A statement that indicates the wastewater discharge permit issuance date, effective date, and expiration date (in no case more than 5 years);
- (2) A statement that the wastewater discharge permit is non-transferable without prior notification to the District in accordance with Section 5.5 of this Rule, and provisions for furnishing the new Owner or operator with a copy of the existing wastewater discharge permit;
- (3) Effluent limits, including Best Management Practices, based on applicable Pretreatment Standards;
- (4) Self monitoring, sampling, reporting, notification, and record-keeping requirements. These requirements shall include an identification of pollutants (or best management practice) to be monitored, sampling location, sampling frequency, and sample type based on the applicable general pretreatment standards in Sections 2.4 and 6.12 of this Rule and Rule 62-625.500(2)(a)(2)(d), F.A.C., categorical pretreatment standards, local limits, and State and Local laws and;
- (5) The process for seeking a waiver from monitoring for a pollutant neither present nor expected to be present in the Discharge in accordance with Section 6.4B of this Rule.
- (6) A statement of applicable civil and criminal penalties for violation of Pretreatment Standards and Requirements, and any applicable compliance schedule. Such schedule may not extend the time for compliance beyond that required by applicable Federal, State, or local law.
- (7) Requirements to control Slug Discharge, if determined by the District to be necessary.
- (8) Any grant of the monitoring waiver by the District must be included as a condition in the User's permit (Section 6.4B of this Rule).

B. Individual wastewater discharge permits may contain, but need not be limited to, the following conditions:

- (1) Limits on the average and/or maximum rate of discharge, time of discharge, and/or requirements for flow regulation and equalization;
- (2) Requirements for the installation of pretreatment technology, pollution control, or construction of appropriate containment devices, designed to reduce, eliminate, or prevent the introduction of pollutants into the treatment works;

- (3) Requirements for the development and implementation of spill control plans or other special conditions including management practices necessary to adequately prevent accidental, unanticipated, or nonroutine discharges;
- (4) Development and implementation of waste minimization plans to reduce the amount of pollutants discharged to the POTW;
- (5) The unit charge or schedule of User charges and fees for the management of the wastewater discharged to the POTW;
- (6) Requirements for installation and maintenance of inspection and sampling facilities and equipment, including flow measurement devices;
- (7) A statement that compliance with the individual wastewater discharge permit does not relieve the permittee of responsibility for compliance with all applicable Federal and State Pretreatment Standards, including those which become effective during the term of the individual wastewater discharge permit; and
- (8) Other conditions as deemed appropriate by the District to ensure compliance with this Rule, and State and Federal laws, rules, and regulations.

5.3 Individual Wastewater Discharge Permit Appeals

Any person wishing to appeal a decision of the District may do so to the District's Governing Board.

5.4 Individual Wastewater Discharge Permit Modification

User requests for permit modifications shall be made in writing and include the facts or reasons which support the request. When modifying a permit, the District shall allow a reasonable time frame for the User to comply with the new or changed conditions if the User cannot meet them at the time of modification and if permitted by law. If the new or changed conditions are the result of new or changed pretreatment regulations, those regulations will stipulate the compliance period. The filing of a request by the permittee for an industrial wastewater discharge permit modification does not stay any wastewater discharge permit condition.

The District may modify an individual wastewater discharge permit for good cause including, but not limited to, the following:

- A. To incorporate any new or revised Federal, State, or local Pretreatment Standards or Requirements;
- B. To address significant alterations or additions to the User's operation, processes, or wastewater volume or character since the time of wastewater discharge permit issuance;
- C. A change in the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;
- D. Information indicating that the permitted discharge poses a threat to the District's POTW, personnel, beneficial reuse of biosolids or reclaimed water, or the receiving waters;
- E. Violation of any terms or conditions of the individual wastewater discharge permit;
- F. Misrepresentations or failure to fully disclose all relevant facts in the wastewater discharge permit application or in any required report;
- G. Revision of or a grant of variance from categorical pretreatment standards pursuant to Rule 62-625.700, F.A.C.;
- H. To correct typographical or other errors in the wastewater discharge permit;

- I. To reflect a transfer of the facility ownership and/or operation to a new Owner or operator where requested in accordance with Section 5.5 of this Rule; or
- J. Upon request of the permittee, provided such request does not create a violation of any applicable requirements, standards, laws, or rules and regulations.

5.5 Individual Wastewater Discharge Permit Transfer

Wastewater discharge permits may be reassigned or transferred to a new Owner and/or operator only if the permittee gives at least ninety (90) days advance notice to the District and the District approves the individual wastewater discharge permit transfer. The notice to the District must include a written certification by the new Owner and/or operator which:

- A. States that the new Owner and/or operator has no immediate intent to change the facility's operations and processes;
- B. Identifies the specific date on which the transfer is to occur; and
- C. Acknowledges full responsibility for complying with the existing individual wastewater discharge permit and all requirements therein.

Failure to provide advance notice of a transfer renders the wastewater discharge permit voidable as of the date of facility transfer.

5.6 Individual Wastewater Discharge Permit Revocation

The District may revoke an individual wastewater discharge permit for good cause, including, but not limited to, the following reasons:

- A. Failure to provide prior notification to the District of changed conditions pursuant to Section 6.6 of this Rule;
- B. Misrepresentation or failure to fully disclose all relevant facts in the wastewater discharge permit application;
- C. Falsifying self-monitoring reports;
- D. Tampering with monitoring equipment;
- E. Refusing to allow the District timely access to the facility premises and records;
- F. Failure to meet effluent limitations;
- G. Failure to pay fines;
- H. Failure to pay sewer charges;
- I. Failure to meet compliance schedules;
- J. Failure to complete a wastewater survey or the wastewater discharge permit application;
- K. Failure to provide advance notice of the transfer of business ownership of a permitted facility; or;
- L. Violation of any Pretreatment Standard or Requirement, or any terms of the individual wastewater discharge permit or this Rule.

5.7 Individual Wastewater Discharge Permit Reissuance

A User with an expiring individual wastewater discharge permit shall apply for an individual wastewater discharge permit reissuance by submitting a completed individual wastewater discharge permit

application, in accordance with Section 4.5 of this Rule, a minimum of ninety (90) days prior to the expiration of the User's existing individual wastewater discharge permit.

5.8 Regulation of Waste Received from Other Jurisdictions

The District must ensure that discharges received from entities outside its jurisdictional boundaries are regulated to the same extent as are discharges from within its jurisdictional boundaries.

- A. If another Special District or Municipality, or User located within another Special District or Municipality, contributes wastewater to the POTW, the District Governing Board shall authorize execution of an interlocal agreement with the contributing Special District or Municipality.
- B. Prior to entering into an agreement required by Section 5.8 A. of this Rule, the District shall request the following information from the contributing Special District or Municipality:
 - (1) A description of the quality and volume of wastewater discharged to the POTW by the contributing Special District or Municipality;
 - (2) An inventory of all Users located within the contributing Special District or Municipality that are discharging to the POTW; and
 - (3) Such other information as the District may deem necessary.
- C. An interlocal agreement, as required by Section 5.8 A. of this Rule, shall contain the following conditions:
 - (1) A requirement for the contributing Special District or Municipality to adopt a sewer use ordinance which is at least as stringent as this Rule and Local Limits, including required Baseline Monitoring Reports (BMRs) which are at least as stringent as those set out in Section 2.4 of this Rule. The requirement shall specify that such ordinance and limits must be revised as necessary to reflect changes made to the District's Rule or Local Limits;
 - (2) A requirement for the contributing Special District or Municipality to submit a revised User inventory on at least an annual basis;
 - (3) A provision specifying which pretreatment implementation activities, including individual wastewater discharge permit issuance, inspection and sampling, and enforcement, will be conducted by the contributing Special District or Municipality; which of these activities will be conducted by the District; and which of these activities will be conducted jointly by the contributing Special District or Municipality and the District;
 - (4) A requirement for the contributing Special District or Municipality to provide the District with access to all information that the contributing Special District or Municipality obtains as part of its pretreatment activities;
 - (5) Limits on the nature, quality, and volume of the contributing Special District or Municipality's wastewater at the point where it discharges to the POTW;
 - (6) Requirements for monitoring the contributing Special District or Municipality's discharge;
 - (7) A provision ensuring the District access to the facilities of Users located within the contributing Special District or municipality's jurisdictional boundaries for the

purpose of inspection, sampling, and any other duties deemed necessary by the District; and

- (8) A provision specifying remedies available for breach of the terms of the interlocal agreement.

Nothing in this Section shall impair existing Interlocal Agreements.

SECTION 6 - REPORTING REQUIREMENTS

6.1 Baseline Monitoring Reports

Users that become subject to new or revised categorical Pretreatment Standards are required to comply with following reporting requirements even if they have been designated as Non-Significant Categorical Industrial Users.

- A. Within either one hundred eighty (180) days after the effective date of a categorical Pretreatment Standard, or the final administrative decision on a category determination under Rule 62-625.410(2)(d), F.A.C., whichever is later, existing Categorical Industrial Users currently discharging to or scheduled to discharge to the POTW shall submit to the District, a report which contains the information listed in Section 6.1 B. of this Rule, below. At least ninety (90) days prior to commencement of their discharge, New Sources, and sources that become Categorical Industrial Users subsequent to the promulgation of an applicable categorical Standard, shall submit to the District a report which contains the information listed in Section 6.1 B. of this Rule below. Each New Source shall report the method of pretreatment it intends to use to meet applicable categorical Standards. Each New Source shall give estimates of the information requested in Section 6.1 B. (below) of this Rule.
- B. Users described above shall submit the information set forth below.
 - (1) All information required in Section 4.5A (1) (a), Section 4.5A (2), Section 4.5A (3) (a), and Section 4.5A (6) of this Rule.
 - (2) Measurement of pollutants.
 - a. The User shall provide the information required in Section 4.5 A (7) (a) through (e) of this Rule.
 - b. The User shall take a minimum of four (4) representative samples to compile the data necessary to comply with the requirements of this paragraph.
 - c. Samples should be taken immediately downstream from pretreatment facilities if such exist or immediately downstream of the regulated process if no pretreatment exists. If other wastewaters are mixed with the regulated wastewater prior to pretreatment, the User shall measure the flows and concentrations necessary to allow the use of the combined wastestream formula in Rule 62-625.410(6), F.A.C. to evaluate compliance with the Pretreatment Standards. Where an alternate concentration or mass limit has been calculated in accordance with Rule 62-625.410(6), F.A.C. this adjusted limit along with supporting data shall be submitted to the District;
 - d. Sampling and analysis shall be performed in accordance with Sections 6.11 and 6.12 of this Rule;
 - e. The District may allow the submission of a baseline report which utilizes only historical data so long as the data provides information sufficient to determine the need for industrial pretreatment measures;

- f. The baseline report shall indicate the time, date and place of sampling and methods of analysis, and shall certify that such sampling and analysis is representative of normal work cycles and expected pollutant discharges to the POTW.
- (3) Compliance Certification. A statement, reviewed by the User's Authorized Representative as defined in Section 1.4(7) of this Rule and certified by a qualified professional, indicating whether pretreatment standards are being met on a consistent basis, and, if not, whether additional operation and maintenance (O&M) and/or additional pretreatment is required to meet the pretreatment standards and requirements.
- (4) Compliance Schedule. If additional pretreatment and/or O&M will be required to meet the pretreatment standards, the shortest schedule by which the User will provide such additional pretreatment and/or O&M must be provided. The completion date in this schedule shall not be later than the compliance date established for the applicable pretreatment standard. A compliance schedule pursuant to this Section must meet the requirements set out in Section 6.2 of this Rule.
- (5) Signature and Report Certification. All baseline monitoring reports must be certified in accordance with Section 6.15(A) of this Rule and signed by an Authorized Representative of the User as defined in Section 1.4(7) of this Rule.

6.2 Compliance Schedule Progress Reports

The following conditions shall apply to the compliance schedule required by Section 6.1(B)(4) of this Rule.

- A. The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the User to meet the applicable Pretreatment Standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executing contract for major components, commencing construction, completing construction, etc.).
- B. No progress increment referred to in Section 6.2 (A) of this Rule shall exceed nine (9) months.
- C. The User shall submit a progress report to the District no later than fourteen (14) days following each progress milestone date in the schedule and the final date for compliance, including, as a minimum, whether or not it complied with the increment of progress, the reason for delay, and, if appropriate, the steps being taken by the User to return to the established schedule.
- D. In no event shall more than nine (9) months elapse between such progress reports.

6.3 Reports on Compliance with Categorical Pretreatment Standard Deadline

Within ninety (90) days following the date for final compliance with applicable categorical pretreatment standards, or in the case of a New Source following commencement of the introduction of wastewater into the POTW, any User subject to such pretreatment standards and requirements shall submit to the District, a report containing the information described in Sections 4.5 and 6.1(B)(2) of this Rule.

For Users subject to equivalent mass or concentration limits established in accordance with the procedures in Sections 4.5 and 6.1(B)(2) of this Rule, this report shall contain a reasonable measure of the User's long-term production rate. For all other Users subject to categorical pretreatment standards

expressed in terms of allowable pollutant discharge per unit of production (or other measure of operation), this report shall include the User's actual production during the appropriate sampling period. All compliance reports must be signed and certified in accordance with Section 6.15(A) of this Rule. All sampling will be done in conformance with Section 6.12 of this Rule.

6.4 Periodic Compliance Reports for Categorical Industrial Users

All SIUs are required to submit periodic compliance reports even if they have been designated a Non-Significant Categorical Industrial User (NSCIU).

- A. Any CIU, except an NSCIU, after the compliance date of such pretreatment standard, or, in the case of a new source, after the commencement of the discharge into the POTW, shall submit to the District during the months of June and December, annually, unless required more frequently in the pretreatment standard or by the District in accordance with Section 6.4 D of this Rule, a report indicating the nature and concentration of pollutants in the effluent which are limited by such categorical pretreatment standards. In addition, this report shall include a record of measured or estimated average and maximum daily flows for the reporting period for the discharge reported. In cases where the pretreatment standard requires compliance with a best management practice (BMP) or pollution prevention alternative, the Industrial User (IU) shall submit documentation required by the District or the pretreatment standard necessary to determine the compliance status of the IU. The IU may request submission of this report in months other than June and December, if based on such factors as local high or low flow rates, holidays, or budget cycles, the alternate dates more accurately represent actual operating conditions.
- B. The District may authorize a CIU to waive sampling of a pollutant regulated by a categorical pretreatment standard if the CIU demonstrates the following through sampling and other technical factors:
 - (1) The pollutant is neither present nor expected to be present in the discharge, or the pollutant is present only at background levels from intake water and without any increase in the pollutant due to activities of the CIU; and
 - (2) The pollutant is determined to be present solely due to sanitary wastewater discharged from the facility provided that the sanitary wastewater is not regulated by an applicable categorical standard and otherwise includes no process wastewater.
- C. This authorization of the monitoring waiver is subject to the following conditions and does not supersede certification processes and requirements established in categorical pretreatment standards, except as specified in the categorical pretreatment standard:
 - (1) The monitoring waiver is valid only for the duration for the effective period of the individual wastewater discharge permit, but in no case longer than five (5) years. The CIU must submit a new request for the waiver before the waiver can be granted for each subsequent wastewater discharge permit.
 - (2) In making a demonstration that a pollutant is not present, the CIU must provide data from at least four (4) samplings of the facility's process wastewater prior to any treatment present at the facility that is representative of all wastewater from all processes. Non-detectable sample results may only be used as a demonstration that a pollutant is not present if FDEP's approved method from Rule 62-4.246, F.A.C., with the lowest method detection limit (MDL) for that pollutant was used in the analysis;
 - (3) The request for a monitoring waiver must be signed in accordance with Section 1.4(7) and include the certification statement in Section 6.15A of this Rule.

- (4) The authorization must be included as a condition in the CIU's permit. The reasons supporting the waiver and any information submitted by the CIU in its request for the waiver must be maintained by the District for three (3) years after expiration of the waiver.
 - (5) Upon approval of the monitoring waiver and revision of the CIU's individual wastewater discharge permit by the District, the CIU must certify each report with the statement in Section 6.15(C) of this Rule.
 - (6) In the event that a waived pollutant is found to be present or is expected to be present because of changes that occur in the CIU's operations, the CIU must immediately notify the District and comply with the monitoring requirements of Section 6.4A of this Rule or other more frequent monitoring requirements imposed by the District.
- D. All periodic compliance reports must be signed and certified in accordance with Section 6.15A of this Rule and signed by an authorized representative of the user as defined in Section 1.4(7) of this Rule.
 - E. Sampling and analysis shall be performed in accordance with Sections 6.11 and 6.12 of this Rule.
 - F. For this report, the IU will be required to collect the number of grab samples necessary to assess and assure compliance with applicable pretreatment standards and pretreatment requirements.
 - G. If a User subject to the reporting requirement in this Section monitors any regulated pollutant at the appropriate sampling location more frequently than required by the District, using the procedures prescribed in Section 6.12 of this Rule, the results of this monitoring shall be included in the report.

6.5 Periodic Compliance Reports for Industrial Users Not Subject to Categorical Pretreatment Standards

- A. Industrial users with discharges that are not subject to categorical pretreatment standards shall submit to the District during the months of June and December annually, unless required more frequently in the pretreatment standard or by the District in accordance with Section 6.4 of this Rule, a report indicating the nature and concentration of pollutants in the effluent which are limited by such categorical pretreatment standards. In addition, this report shall include a record of measured or estimated average and maximum daily flows for the reporting period for the discharge reported in Section 6.1 B(2) of this Rule. In cases where the pretreatment standard requires compliance with a BMP or pollution prevention alternative, the IU shall submit documentation required by the District or the pretreatment standard necessary to determine the compliance status of the IU. The IU may request submission of this report in months other than June and December, if based on such factors as local high or low flow rates, holidays, or budget cycles, the alternate dates more accurately represent actual operating conditions.
- B. All periodic compliance reports must be certified in accordance with Section 6.15 A of this Rule and signed by an authorized representative of the user as defined in Section 1.4(7) of this Rule.
- C. Sampling and analysis shall be performed in accordance with Sections 6.11 and 6.12 of this Rule.
- D. For this report, the IU will be required to collect the number of grab samples necessary to assess and assure compliance with applicable pretreatment standards and requirements.

- E. If an IU subject to the reporting requirement in this Section monitors any regulated pollutant at the appropriate sampling location more frequently than required by the District, using the procedures prescribed in Section 6.12 of this Rule, the results of this monitoring shall be included in the report.

6.6 Reports of Changed Conditions

Each User must notify the District of any significant changes to the User's operations or system which might alter the nature, quality, or volume of its wastewater at least thirty (30) days before the change (Rule 62-625.600(9), F.A.C.).

- A. The District may require the User to submit such information as may be deemed necessary to evaluate the changed condition, including the submission of a wastewater discharge permit application under Section 4.5 of this Rule.
- B. The District may issue an individual wastewater discharge permit under Section 5.7 (Individual Wastewater Discharge Permit Reissuance) of this Rule or modify an existing wastewater discharge permit under Section 5.4 (Individual Wastewater Discharge Permit Modification) of this Rule in response to changed conditions or anticipated changed conditions.
- C. Users are not permitted to implement any changes to their operations and/or system(s) which would alter the nature, quality or volume of the wastewater to be discharged to the POTW without prior written approval from the District to do so.

6.7 Reports of Potential Problems

- A. In the case of any discharge, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, a Slug Discharge or Slug Load, that might cause potential problems for the POTW, the User shall immediately telephone and notify the District of the incident. This notification shall include the location of the discharge, type of waste, concentration and volume, if known, and corrective actions taken by the User.
- B. Within five (5) days following such discharge, the User shall, unless waived by the District, submit a detailed written report describing the cause(s) of the discharge and the measures to be taken by the User to prevent similar future occurrences. Such notification shall not relieve the User of any expense, loss, damage, or other liability which might be incurred as a result of damage to the POTW, natural resources, or any other damage to person or property; nor shall such notification relieve the User of any fines, penalties, or other liability which may be imposed pursuant to this Rule.
- C. A notice shall be permanently posted on the User's bulletin board or other prominent place advising employees who to call in the event of a discharge described in Section 6.7 A. of this Rule, above. Employers shall ensure that all employees, who could cause such a discharge to occur, are advised of the emergency notification procedure.
- D. All Users are required to notify the District immediately of any changes at its facility affecting the potential for a Slug Discharge.

6.8 Reports from Unpermitted Users

All Users not required to obtain an individual wastewater discharge permit shall provide appropriate reports to the District as the District may require.

6.9 Notice of Violation/Repeat Sampling and Reporting

If sampling performed by a User indicates a violation, the User shall notify the District within twenty-four (24) hours of becoming aware of the violation. The User shall also repeat the sampling and analysis and submit the results of the repeat analysis to the District within thirty (30) days after becoming aware of the violation. Where the District has performed the sampling and analysis in lieu of the User, the District will perform the repeat sampling and analysis unless the User is notified and required to perform the repeat analysis. Re-sampling is not required if the District performs sampling at the Industrial User at a frequency of at least once per month, or the District performs sampling at the User's sampling location between the time when the initial sampling was conducted and the time when the User or the District receives the results of this sampling.

6.10 Notification of the Discharge of Hazardous Waste

- A. Discharge of hazardous waste, as defined in rules published by the State of Florida or in Chapter 62-730, F.A.C., to the POTW is prohibited. The discharge of hazardous waste to the POTW shall be considered a violation of this rule.
- B. Users shall notify the District and FDEP's hazardous waste and pretreatment authorities in writing of any discharge into the POTW of a substance which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Such notification must include the name of the hazardous waste, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the User discharges more than one hundred (100) kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the IU: (1) An identification of the hazardous constituents contained in the wastes, (2) An estimation of the mass and concentration of such constituents in the waste stream discharged during that calendar month, and (3) An estimation of the mass of constituents in the waste stream expected to be discharged during the following twelve (12) months. Users shall provide notification no later than thirty (30) days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed conditions must be submitted under Section 6.6 (Reports of Changed Conditions) of this Rule. The notification requirement in this Section does not apply to pollutants already reported by Users subject to categorical Pretreatment Standards under the self-monitoring requirements of Sections 6.1, 6.3 and 6.4 of this Rule.
- C. In the case of any new FDEP regulations identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the IU must notify the District and the FDEP's hazardous waste and pretreatment authorities of the discharge of such substance within ninety (90) days of the effective date of such regulations.
- D. In the case of any notification made under this Section, the IU shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical.
- E. This provision does not create a right to discharge any substance not otherwise permitted to be discharged by this Rule, a permit issued thereunder, or any applicable Federal or State law.

6.11 Analytical Requirements

Analytical tests shall be performed in accordance with the techniques prescribed in 40 CFR Part 136, as of August 28, 2017, hereby adopted and incorporated by reference. If a test for a specific component is not listed in 40 CFR Part 136, or if the test procedure has been determined to be inappropriate for the analyte in question (e.g., insufficient sensitivity) the laboratory, with the approval of the IU and the District, shall identify and propose a method for use in accordance with Rules 62-160.300 and 62-160.330, F.A.C. If a sampling procedure is not available or none of the approved procedures are appropriate for collecting the samples, the sampling organization, with the approval of the IU and the District, shall identify and propose a method for use in accordance with Rule 62-160.220, F.A.C.

6.12 Sample Collection

Samples collected to satisfy reporting requirements must be based on data obtained through appropriate quarterly sampling and analysis performed during the period covered by the report, based on data that is representative of conditions occurring during the quarterly reporting period.

- A. Except in the case of NSCIUs, the reports required in Sections 6.1, 6.3, 6.4, and 6.5 of this Rule shall contain the results of sampling and analysis of the discharge, including the flow and the nature and concentration, or production and mass where requested by the District, of pollutants contained therein which are limited by the applicable pretreatment standards. This sampling and analysis may be performed by the District in lieu of the IU. Where the District performs the required sampling and analysis in lieu of the IU, the IU is not required to submit the compliance certification required in Sections 6.1, 6.3, 6.4 and 6.5 of this Rule. In addition, where the District collects all the information required for the report, including flow data, the IU is not required to submit the report. All laboratory analytical reports prepared by the IU or the District shall comply with Rule 62-160.340, F.A.C.
- B. The reports required in Sections 6.1, 6.3, 6.4 and 6.5 of this Rule shall be based upon data obtained through sampling and analysis performed during the period covered by the report. These data shall be representative of conditions occurring during the reporting period. The District will indicate the frequency of monitoring necessary to assess and assure compliance by the IU with applicable Pretreatment Standards and Requirements.
- C. For all sampling required by this ordinance, grab samples must be used for pH, cyanide, total phenols, oil and grease, sulfide, and volatile organic compounds. For all other pollutants, 24-hour composite samples must be obtained through flow-proportional composite sampling techniques, unless time-proportional composite sampling or grab sampling is authorized by the District. Where time-proportional composite sampling or grab sampling is authorized by the District, the sample must be representative of the discharge and the decision to allow the alternative sampling will be documented in the IU's file. Using protocols (including appropriate preservation) specified in Chapter 62-160, F.A.C., and DEP-SOP-001/01, multiple grabs collected during a 24-hour period may be composited prior to analysis as follows:
 - (1) Samples for cyanide, total phenols, and sulfides may be composited in the laboratory or in the field;
 - (2) Samples for volatile organics and oil and grease may be composited in the laboratory; and

- (3) Composite samples for other parameters unaffected by the compositing procedures as allowed in FDEP's approved sampling procedures and laboratory methodologies may be authorized by the District, as appropriate.
- D. Oil and grease samples shall be collected in accordance with Section 6.12 C of this Rule above, unless the sampling location or point cannot be physically accessed to perform a direct collection of a grab sample. In these instances, the sample shall be pumped from the sampling location or point into the sample container using a peristaltic-type pump. All pump tubing used for sample collection must be new or pre-cleaned and must be changed between sample containers and sample points. The pump tubing shall not be pre-rinsed or flushed with sample prior to collecting the sample. The report of analysis shall indicate that a peristaltic pump was used to collect the oil and grease sample. Samples for oil and grease, temperature, pH, cyanide, total phenols, sulfides, and volatile organic compounds must be obtained using grab collection techniques.
- E. Sampling required in support of baseline monitoring reporting and 90-day compliance reporting required in Section 6.1 and 6.2 of this Rule shall be conducted as follows:
 - (1) For Users where historical sampling does not exist, a minimum of four (4) grab samples must be used for pH, cyanide, total phenols, oil and grease, sulfide and volatile organic compounds.
 - (2) For Users where historical sampling data is available, the District may authorize a reduced sample quantity.

6.13 Date of Receipt of Reports

Written reports will be deemed to have been submitted on the date postmarked. For reports, which are not mailed, postage prepaid, into a mail facility serviced by the United States Postal Service, the date of receipt of the report by the District shall govern.

6.14 Record Keeping

- A. Any IU subject to the reporting requirements of this ordinance shall:
 - (1) Maintain records of all information resulting from any monitoring activities required by this ordinance, including documentation associated with BMPs. All sampling and analysis activities shall be subject to the record-keeping requirements specified in Chapter 62-160, F.A.C.; and
 - (2) Maintain for a minimum of three (3) years all records of monitoring results (whether or not such monitoring activities are required by this ordinance), including documentation associated with BMPs and shall make such records available for inspection and copying by the District and FDEP. This period of retention shall be extended during the course of any unresolved litigation regarding the IU or the District, where the IU has been specifically notified of a longer retention period by the District.
- B. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses.

6.15 Certification Statement

- A. Certification of Permit Applications, User Reports and Initial Monitoring Waiver—The following certification statement is required to be signed and submitted by Users submitting permit applications in accordance with Section 4.6 of this Rule; Users submitting baseline monitoring reports under Section 6.1 [Note: See Rule 62-625.600(1)(a) F.A.C.]; Users submitting reports on compliance with the categorical Pretreatment Standard deadlines under Section 6.3 of this Rule [Note: See Rule 62-625.600(3) F.A.C.]; Users submitting periodic compliance reports required by Section 6.4 A–D of this Rule [Note: See Rule 62-625.600(4) and (7) F.A.C.], and Users submitting an initial request to forego sampling of a pollutant on the basis of Section 6.4C(3) of this Rule [Note: See Rule 62-625.600(4)(c)(2) F.A.C.]. The following certification statement must be signed by an Authorized Representative as defined in Section 1.4(7) of this Rule:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

- B. Annual Certification for Non-Significant Categorical Industrial Users (NSCIU) - A facility determined to be a NSCIU by the District, pursuant to Section 1.4(40) and Section 4.6C of this Rule, must annually submit the following certification statement signed in accordance with the signatory requirements in Section 1.4(7) of this Rule. This certification must accompany an alternative report required by the District:

Based on my inquiry of the person or persons directly responsible for managing compliance with the categorical Pretreatment Standards under 40 CFR _____, I certify that, to the best of my knowledge and belief that during the period from _____, _____ to _____, _____ [months, days, year]:

- (a) The facility described as _____ [facility name] met the definition of a Non-Significant Categorical Industrial User as described in Section 1.4(40) of this Rule. (b) The facility complied with all applicable Pretreatment Standards and requirements during this reporting period; and (c) the facility never discharged more than 100 gallons of total cateorical wastewater on any given day during this reporting period.*

This compliance certification is based on the following information.

- C. Certification of Pollutants Not Present

Users that have an approved monitoring waiver based on Section 6.4 B of this Rule must certify on each report with the following statement that there has been no increase in the pollutant in its wastestream due to activities of the User.

Based on my inquiry of the person or persons directly responsible for managing compliance with the Pretreatment Standard for 40 CFR _____ [specify applicable National Pretreatment Standard part(s)], I certify that, to the best of my knowledge and belief, there has been no increase in the level of _____ [list pollutant(s)] in the wastewaters due to the activities at the facility since filing of the last periodic report under Section 6.4.A of this Rule.

SECTION 7 - COMPLIANCE MONITORING

7.1 Right of Entry: Inspection and Sampling

The District shall have the right to enter the premises of any User to verify whether the User is complying with all requirements of this Rule and any individual wastewater discharge permit or order issued hereunder. Users shall allow District personnel ready access to all parts of the premises for the purposes of inspection, sampling, records examination and copying, and the performance of any additional duties.

- A. Where a User has security measures in force which require proper identification and clearance before entry into its premises, the User shall make necessary arrangements with its site security personnel so that, upon presentation of suitable identification, District personnel shall be permitted to enter without delay for the purposes of performing specific responsibilities.
- B. District personnel shall have the right to set up on the User's property, or require installation of, such devices as are necessary to conduct sampling and/or metering of the User's operations.
- C. The District may require the User to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the User at its own expense. All monitoring facilities shall be constructed and maintained in accordance with all applicable local construction standards and specifications and approved by the District. All devices used to measure wastewater flow and quality shall be calibrated annually to ensure their accuracy.
- D. Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the User at the written or verbal request of the District and shall not be replaced. The costs of clearing such access shall be borne by the User.
- E.D. Unreasonable delays in allowing District personnel access to the User's premises shall be a violation of this Rule.

7.2 Search Warrants

The District may seek issuance of a search warrant(s) from any court of competent jurisdiction for any of the following reasons:

- A. Refusal of access to a building, structure or property or any part thereof.
- B. If the District is able to demonstrate probable cause to believe that there may be a violation of this Rule.
- C. If there is a need to inspect and sample as part of a routine inspection and sampling program of the District.
- D. To protect public health, safety and welfare within the District.

SECTION 8 - CONFIDENTIAL INFORMATION

In accordance with Chapter 119, F.S., all information, documents, and data submitted to the District are considered to be public information, and as such shall be available to the public. However, in accordance with Section 403.111, F.S., any information submitted to the District in accordance with this Rule may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions, or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the District shall make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in Section 403.111, F.S. Wastewater constituents and characteristics and other "effluent data" as defined by 40 CFR 2.302 shall not be recognized as confidential information and shall be available to the public without restriction.

SECTION 9 - PUBLICATION OF USERS IN SIGNIFICANT NON-COMPLIANCE

The District shall publish annually, in a newspaper(s) of general circulation that provides meaningful public notice within the jurisdiction(s) served by the District, a list of the Users which, during the previous twelve (12) months, were in Significant Noncompliance with applicable Pretreatment Standards and Requirements. The term Significant Noncompliance shall be applicable to all Significant Industrial Users (SIU) or any other Industrial User that violates one (1) or more of the following criteria:

- A. Chronic violations of wastewater discharge limits defined here as those in which sixty six percent (66%) or more of all the measurements taken for the same pollutant parameter taken during a six (6) month period exceed (by any magnitude) a numeric Pretreatment Standard or Requirement, including Instantaneous Limits as defined in Section 2.4 of this Rule;
- B. Technical Review Criteria (TRC) violations, defined here as those in which thirty three percent (33%) or more of wastewater measurements taken for each pollutant parameter during a six (6) month period equals or exceeds the product of the numeric Pretreatment Standard or Requirement including Instantaneous Limits, multiplied by the applicable TRC (1.4 for BOD, TSS, fats, oils and grease, and 1.2 for all other pollutants except pH);
- C. Any other violation of a Pretreatment Standard or Requirement (Daily Maximum, Long Term Average, Instantaneous Limit, or Narrative Standard) that the District determines has caused, alone or in combination with other discharges, Interference or Pass Through (including endangering the health of POTW personnel or the general public);
- D. Any discharge that has resulted in the District's exercise of its emergency authority to halt or prevent such a discharge;
- E. Failure to meet, within ninety (90) days of the scheduled date, a compliance schedule milestone contained in an individual wastewater discharge permit or enforcement order for starting construction, completing construction, or attaining final compliance;
- F. Failure to provide, within forty-five (45) days after the due date, any required reports, including baseline monitoring reports, reports on compliance with categorical Pretreatment Standard deadlines, periodic self-monitoring reports, and reports on compliance with compliance schedules;
- G. Failure to accurately report noncompliance; or

H. Any other violation(s), which may include a violation of Best Management Practices, which the District determines will adversely affect the operation or implementation of the local pretreatment program.

SECTION 10 - ADMINISTRATIVE ENFORCEMENT REMEDIES

10.1 Notification of Violation

When the District finds that a User has violated, or continues to violate, any provision of this Rule, an individual wastewater discharge permit or order issued hereunder, or any other Pretreatment Standard or Requirement, the District may serve upon that User a written Notice of Violation. Within ten (10) days of the receipt of this notice, an explanation of the violation and a plan for the satisfactory correction and prevention thereof, to include specific required actions, shall be submitted by the User to the District. Submission of this plan in no way relieves the User of liability for any violations occurring before or after receipt of the Notice of Violation. Nothing in this Section shall limit the authority of the District to take any action, including emergency actions or any other enforcement action, prior to issuing a Notice of Violation.

10.2 Consent Orders

The District may enter into Consent Orders or other similar documents establishing an agreement with any User responsible for non-compliance. Such documents shall include specific action to be taken by the User to correct the non-compliance within a time period specified by the document. Such documents shall have the same force and effect as the administrative orders issued pursuant to Sections 10.4 and 10.5 of this Rule and shall be judicially enforceable.

10.3 Show Cause Hearing

The District may order, via a certified letter or registered mail, a User which has violated or continues to violate any provision of this Rule, an individual wastewater discharge permit or order issued hereunder, or any other Pretreatment Standard or Requirement, to appear before the District and show cause why the proposed enforcement action should not be taken. Notice shall be served on the User specifying the time and place for the meeting, the proposed enforcement action, the reasons for such action, and a request that the User show cause why the proposed enforcement action should not be taken. The notice of the meeting shall be served personally or by registered or certified mail (return receipt requested) at least ten (10) days prior to the hearing. Such notice may be served on any authorized representative of the User. A show cause hearing shall not be a bar against, or prerequisite for, taking any other action against the User.

10.4 Compliance Orders

When the District finds that a User has violated, or continues to violate any provision of this Rule, an individual wastewater discharge permit, or order issued hereunder, or any other Pretreatment Standard or Requirement, the District may issue an order to the User responsible for the discharge directing that the User come into compliance within a specified time. If the User does not come into compliance within the time specified in the order, sewer service may be discontinued unless adequate treatment facilities,

devices, or other related appurtenances are installed and properly operated. Compliance orders may also contain other requirements to address the non-compliance, including additional self-monitoring, and management practices designed to minimize the amount of pollutants discharged to the sewer. A compliance order may not extend the deadline for compliance established by a Pretreatment Standard or Requirement, nor does a compliance order relieve the User of liability for any violation, including any continuing violation. Issuance of a compliance order shall not be a bar against, or a prerequisite for, taking any other action against the User.

10.5 Cease and Desist Orders

When the District finds that a User has violated, or continues to violate, any provision of this Rule, an individual wastewater discharge permit, or order issued hereunder, or any other Pretreatment Standard or Requirement, or that the User's past violations are likely to recur, the District may issue an order to the User directing it to cease and desist all such violations and directing the User to:

- A. Immediately comply with all requirements; and
- B. Take such appropriate remedial or preventive action as may be needed to properly address a continuing or threatened violation, including halting operations and/or terminating the discharge. Issuance of a cease and desist order shall not be a bar against, or a prerequisite for, taking any other action against the User.

10.6 Administrative Fines

- A. When the District finds that a User has violated or continues to violate any provision of this Rule, an industrial wastewater discharge permit or order issued hereunder, or any other Pretreatment Standard or Requirement, the District may fine such User in at least the amount of one-thousand dollars (\$1,000) a day for each violation. Such fines shall be assessed on a per violation, per day basis. In the case of monthly or other long term average discharge limits, fines shall be assessed for each day during the period of violation. The District may add the costs of preparing administrative enforcement actions, such as notices and orders, to the fine.
- B. Unpaid charges, fines, and penalties shall, after ninety (90) calendar days, be assessed an additional penalty of two percent (2%) of the unpaid balance, and interest shall accrue thereafter at a rate of one and one-half percent (1.5%) per month. A lien against the User's property will be sought for unpaid charges, fines, and penalties.
- C. Users desiring to dispute such fines must file a written request for the District to reconsider the fine along with full payment of the fine amount within thirty (30) days of being notified of the fine. Where a request has merit, the District shall convene a hearing on the matter within forty-five (45) days of receiving the request from the User. In the event the User's appeal is successful, the payment, together with any interest accruing thereto, shall be returned to the User. The District will also return any costs previously added to the fine which were assessed to cover the District's cost of preparing administrative enforcement actions.
- D. Issuance of an administrative fine shall not be a bar against, or be a prerequisite for, taking any other action against the User.

10.7 Emergency Suspensions

The District may immediately suspend a User's discharge, after informal notice to the User, whenever such suspension is necessary to stop an actual or threatened discharge which reasonably appears to present or cause an imminent or substantial endangerment to the health or welfare of persons. The District may also immediately suspend a User's discharge, after notice and opportunity to respond, that threatens to interfere with the operation of the POTW or which presents, or may present, an endangerment to the environment.

- A. Any User notified of a suspension of its discharge shall immediately stop or eliminate its contribution. In the event of a User's failure to immediately comply voluntarily with the suspension order, the District shall take such steps as deemed necessary, including immediate severance of the sewer connection, to prevent or minimize damage to the POTW, its receiving stream, or endangerment to any individuals. The District shall allow the User to recommence its discharge when the User has demonstrated to the satisfaction of the District that the period of endangerment has passed, unless the termination proceedings in Section 10.8 of this Rule are initiated against the User.
- B. A User that is responsible, in whole or in part, for any discharge presenting imminent endangerment shall submit a detailed written statement, describing the causes of the harmful contribution and the measures taken to prevent any future occurrence, to the District prior to the date of any show cause or termination hearing under Sections 10.3 and 10.8 of this Rule.

Nothing in this Section shall be interpreted as requiring a hearing prior to any emergency suspension under this Rule.

10.8 Termination of Discharge (Non-Emergency)

In addition to the provisions in Section 5.6 of this Rule, any User that violates any of the following conditions is subject to discharge termination:

- A. Violation of individual wastewater discharge permit conditions;
- B. Failure to accurately report the wastewater constituents and characteristics of its discharge;
- C. Failure to report significant changes in operations or wastewater volume, constituents and characteristics prior to discharge;
- D. Refusal of reasonable access to the User's premises for the purpose of inspection, monitoring or sampling; or
- E. Violation of the Pretreatment Standards defined in Section 2 of this Rule.

Such User will be notified of the proposed termination of its discharge and be offered an opportunity to show cause under Section 10.3 of this Rule why the proposed action should not be taken. Exercise of this option by the District shall not be a bar to, or a prerequisite for, taking any other action against the User.

SECTION 11 - JUDICIAL ENFORCEMENT REMEDIES

11.1 Injunctive Relief

When the District finds that a User has violated, or continues to violate, any provision of this Rule, an industrial wastewater discharge permit, or order issued hereunder, or any other pretreatment standard or Requirement, the District may seek injunctive, civil and criminal remedies in at least the amount of one thousand dollars (\$1,000.00) a day for each violation in the court(s) of applicable jurisdiction. The

District may also seek such other action as is appropriate for legal and/or equitable relief, including a requirement for the User to conduct environmental remediation. A petition for injunctive relief shall not be a bar against, or a prerequisite for, taking any other action against a User.

11.2 Civil Penalties

The District may seek civil penalties against a User by the appropriate State attorney with jurisdiction.

- A. A User which has violated or continues to violate any provision of this Rule, an industrial wastewater discharge permit, or order issued hereunder, or any other Pretreatment Standard or Requirement shall be liable to the District for a maximum civil penalty of not less than \$1,000.00 per violation, per day. In the case of a monthly or other long-term average discharge limit, penalties shall accrue for each day during the period of the violation.
- B. The District may recover reasonable attorneys' fees, court costs, and other expenses associated with enforcement activities, including sampling and monitoring expenses, and the cost of any actual damages incurred by the District.
- C. In determining the amount of civil liability, the Court shall take into account all relevant circumstances, including, but not limited to, the extent of harm caused by the violation, the magnitude and duration, any economic benefit gained through the User's violation, corrective actions by the User, the compliance history of the User, and any other factor as justice requires.
- D. Filing a suit for civil penalties shall not be a bar against, or a prerequisite for, taking any other action against a User.

11.3 Criminal Prosecution

The District may seek criminal prosecution of Users by the appropriate State attorney with jurisdiction.

- A. A User which has willfully or negligently violated any provision of this Rule, an industrial wastewater discharge permit, or order issued hereunder, or any other Pretreatment Standard or Requirement shall, upon conviction, be guilty of a misdemeanor, punishable by a fine of not less than one-thousand dollars (\$1,000) per day, or imprisonment in accordance with State sentencing guidelines, or both.
- B. A User which has willfully or negligently introduced any substance into the POTW which causes personal injury or property damage shall, upon conviction, be guilty of a misdemeanor and be subject to a penalty of at least one-thousand dollars (\$1,000) per violation per day and/or be subject to imprisonment in accordance with State sentencing guidelines, or both. This penalty shall be in addition to any other cause of action for personal injury or property damage available under law.
- C. A User which knowingly makes false statements, representations, or certifications in any application, record, report, plan, or other documentation filed, or required to be maintained, pursuant to this Rule, wastewater discharge permit, or order issued hereunder, or who falsified, tampered with, or knowingly rendered inaccurate any monitoring device or method required under this Rule shall, upon conviction, be punished by a fine of not less than \$1,000 per violation per day, or imprisonment in accordance with State sentencing guidelines, or both.

- D. In the event of a second conviction, an IU shall be punished by a fine of not less than one thousand dollars (\$1,000) per violation per day, or imprisonment in accordance with State sentencing guidelines, or both.

11.4 Remedies Non-Exclusive

The remedies provided for in this Rule are not exclusive. The District reserves the right to take any, all, or any combination of these actions against a non-compliant User. Enforcement in response to pretreatment violations will generally be in accordance with this Rule. However, the District reserves the right to take other action against any User when the circumstances warrant. Further, the District is empowered to take more than one enforcement action against any non-compliant User. These actions may be taken concurrently.

SECTION 12 - AFFIRMATIVE DEFENSES TO DISCHARGE VIOLATIONS

12.1 Upset

- A. For the purposes of this Section, upset means an exceptional incident in which there is unintentional and temporary non-compliance with applicable Pretreatment Standards because of factors beyond the reasonable control of the User. An upset does not include non-compliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- B. An upset shall constitute an affirmative defense to an action brought for non-compliance with applicable Pretreatment Standards if the requirements of paragraph C of this Section are met.
- C. A User 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 the User can identify the root cause cause(s) of the upset; and
 - (2) The facility was at the time being operated in a prudent and workman-like manner and in compliance with applicable operation and maintenance procedures; and
 - (3) The User has submitted the following information to the District and Plant Manager within twenty-four (24) hours of becoming aware of the upset. Note: If this information is provided orally, a written submission must be provided within five (5) days and include at a minimum the following information:
 - (a) A description of the indirect discharge and cause of non-compliance;
 - (b) The period of non-compliance, including exact dates and times or, if not corrected, the anticipated time the non-compliance is expected to continue; and
 - (c) Steps being taken and/or planned to reduce, eliminate, and prevent recurrence of non-compliance.
- D. In any enforcement proceeding, the User seeking to establish the occurrence of an upset shall have the burden of proof.
- E. Users will have the opportunity for a judicial determination on any claim of upset only in an enforcement action brought for non-compliance with applicable pretreatment standards.
- F. Users shall control production of all discharges to the extent necessary to maintain compliance with applicable pretreatment standards upon reduction, loss, or failure of their treatment facility until the facility is restored or an alternative method of treatment is provided. This

requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost, or fails.

12.2 Prohibited Discharge Standards

A User shall have an affirmative defense to an enforcement action brought against it for non-compliance with the prohibitions in Section 2.1(A) and Section 2.1(B)(3 through 7 and 9 through 18) of this Rule if it can prove that it did not know, or have reason to know, that its discharge, alone or in conjunction with discharges from other sources, would cause Pass Through or Interference and that either:

- (a) A Local Limit exists for each pollutant discharged and the User was in compliance with each limit directly prior to, and during, the Pass Through or Interference; or
- (b) No Local Limit exists, but the discharge did not change substantially in nature or constituents from the User's prior discharge when the District was regularly in compliance with its NPDES permit, and in the case of Interference, was in compliance with applicable effluent and/or biosolids use or disposal requirements.

12.3 Bypass

A. A User may allow a temporary bypass to occur in order to perform simple maintenance to ensure efficient operation, as long as the bypass does not result in a violation of the applicable Pretreatment Standards or Requirements. These bypasses are not subject to the provision of paragraphs (B) and (C) of this Section.

B. Bypass Notification

1. If a User knows in advance of the need for a bypass, it shall submit prior notice to the District at least ten (10) days before the date of the bypass, if possible. If a User does not know of the need for a bypass ten (10) days prior to the bypass then the User shall notify the District immediately upon knowledge of the need for the bypass.
2. A User shall submit oral notice to the District of an unanticipated bypass that exceeds applicable pretreatment standards within twenty-four (24) hours from the time it becomes aware of the bypass. A written submission shall also be provided within five (5) days of the time the User becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass 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 bypass. The District may waive the written report on a case-by-case basis if the oral report has been received within twenty four (24) hours.
3. In the event further information is requested, the User shall provide the information within forty-eight (48) hours of the request. If the event occurs during a holiday period or weekend, the written notification shall be the first working day following the holiday period or weekend. Such notification shall not relieve the User of any expense, loss, damage, or other liability which may be incurred as a result of damage to the POTW, natural resources, or any other damage to person or property; nor shall notification relieve the User of any fines, civil penalties, or other liability which may be imposed by this Rule or other applicable law.

C. Prohibition of Bypass

1. Any bypass that will result in an exceedance of any applicable Pretreatment Standard is prohibited, and the District may take an enforcement action against a User for a bypass, unless:
 - a. The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - b. There were no technically 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
 - c. The User submitted notices as required under Section 12.3B (above) of this Rule.
- (2) The District may approve an anticipated bypass, after considering its adverse effects, if the District determines that it will meet the three (3) conditions listed in Section 12.3C(1)(above), of this Rule.

SECTION 13 - MISCELLANEOUS PROVISIONS

13.1 Pretreatment Charges and Fees

The District may adopt reasonable fees for reimbursement of costs of setting up and operating the District's Pretreatment Program which may include:

- A. Fees for wastewater discharge permit applications including the cost of processing such applications;
- B. Fees for monitoring, inspection, and surveillance procedures including the cost of collection and analyzing a User's discharge, and reviewing monitoring reports submitted by Users;
- C. Fees for reviewing and responding to accidental discharge procedures and construction;
- D. Fees for filing appeals; and
- E. Fees to recover administrative and legal costs associated with an enforcement activity taken by the District to address noncompliance by a User; and
- F. Other fees as the District may deem necessary to carry out the requirements contained herein.

These fees relate solely to the matters covered by this Rule and are separate from all other fees, fines, and penalties chargeable by the District.

13.2 Severability

If any provision of this Rule is invalidated by any court of competent jurisdiction, the remaining provisions shall not be affected and shall continue in full force and effect.

13.3 Conflicts

All other District Rules and parts of other District Rules inconsistent or conflicting with any part of this Rule are hereby repealed to the extent of the inconsistency or conflict.

SECTION 14 - EFFECTIVE DATE

This Rule shall be in full force and effect on ~~September 20, 2024~~April 1, 2023.

Note: Chapter 31-13 was amended and restated in its entirety based upon the EPA Model Rule, and approved in its entirety by the Governing Board on ~~September 19, 2024~~March 16, 2023. The former version is available in the District archives. The Specific Authority for the entire Chapter 31-13 is from the District’s enabling Legislation, Chapter 2021-249, Laws of Florida, including but not limited to Section (6), subsections (13), (14), (19) and (24).

History: New 5-5-85, Amended 5-15-92, 8-19-99, 10-20-2011, 1-16-2020, 3-16-2023, 9-19-2024.

_____ LRD Governing Board Chairman, ~~Dr. Matt H. Rostock~~Stephen B. Rockoff

_____ LRD General Counsel, Curtis Shenkman, P.A.

_____ LRD Executive Director, D. Albrey Arrington, Ph.D.

_____ LRD Plant Manager, Jason Pugsley, P.E.

_____ LRD Industrial Pretreatment Coordinator, Deveyand Dave



Item 6E

Loxahatchee River Subaqueous Force Main Replacement -
Construction Contract
- will be presented at a later Board meeting





LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albre Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: GOVERNING BOARD
 FROM: D. ALBREY ARRINGTON, Ph.D. 
 DATE: AUGUST 8, 2024
 SUBJECT: FISCAL YEAR 2025 – BUDGET ASSUMPTIONS

We are in the midst of budget discussions for FY2025. This month staff are delivering a near final draft budget for your review. Next month, staff will present the Final Draft FY2025 Budget for your review and approval, before the new budget goes into effect on October 1, 2024.

Since you reviewed the budget last month staff have worked diligently to tighten up projected costs, so now the draft budget includes a 5.0% increase in operating expenses (down from 7.2% last month). Given the rate of inflation that we have been experiencing, we believe the 5% increase in operating expenses is a realistic projection of what we expect in FY2025.

The draft FY2025 Budget as compared to the FY2024 Budget and the FY2025 Rate Study projections:

FY2024 (\$)	FY2025 (\$)	% Change	Budget Category	FY25 Rate Study	% Change
\$20,436,972	\$21,453,210	5.0%	Operating Expense	\$21,152,000	1.4%
\$12,697,473	\$11,867,000	-6.5%	Capital Improvements	\$13,130,000	-9.6%
\$33,134,445	\$33,320,210	0.6%	Grand Total	\$34,282,000	-2.8%

The draft budget includes a 5.0% increase of operating expenses, a 6.5% decrease of capital improvements, and a total budgeted increase of 0.6%. It includes sufficient funding to maintain our operations and our systematic investment in maintaining, rehabilitating, and improving our assets. On the subsequent pages I provide a general discussion of each budget category as outlined in the budget matrix. The complete draft budget is provided following this memo.

This month we have decreased the projected capital budget by \$1.10 million dollars based on savings we expect to capture because the construction bids, that we opened this month, for the Loxahatchee River Subaqueous Force Main Replacement came in significantly lower than initially budgeted. Next month, we will likely increase the capital budget as we shift money from this year (FY24) to next year (FY25) for projects that have not been completed in FY24 as anticipated.

Revenue – Staff have worked to tighten up our revenue projections for FY2025. Total revenue (excluding carryforward of surplus) is projected to increase by 2.5%. We currently project revenues from quarterly sewer rates will increase by 1.5% over projected revenues for FY24, which equals 2.7% over the FY24 budgeted figure because we under budgeted this revenue amount last year. As mentioned last month, if the Board elects not to implement a rate increase in 2025, these projected revenues would be decreased accordingly. Excluding revenues from quarterly sewer rates, all other revenues are projected to increase by less than 1%.

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Salary & Wages –

1. **Number of Employees:** The District currently has 86 full time positions budgeted. This year I am requesting two additional staff within our Construction department. I do not take adding staff lightly, as I recognize this represents meaningful, long-term expenses. A memorandum drafted by Kris and Courtney, which you have reviewed, conveyed the importance of adding these two positions. In short, we have been unable to keep up with outstanding corrective work orders, and we believe an additional 2-person construction crew is a needed and cost-effective response to the ever-growing backlog of corrective work orders, i.e., identified system deficiencies.
2. **Proposed Cost of Living Adjustment:** Our annual cost of living adjustment (COLA) is set at 3.0%, which was the June CPI-U value published by the US Bureau of Labor Statistics. We implement this COLA to maintain our employees' purchasing power relative to the rate of inflation.
3. **Proposed Merit Increase:** I recommend the budget include 3.0% to be disbursed to employees exhibiting meritorious performance during their annual performance review.

Payroll Tax – An increase proportional to the increase in salaries and wages will occur.

Retirement – An increase proportional to the increase in salaries and wages will occur, and this budgeted amount is directly affected by employees becoming vested in our retirement plan.

Employee Health Insurance – We are planning for a **4.3% decrease** in the amount budgeted for employee health insurance. The Gehring Group suggested we should anticipate a 10-15% increase in our health insurance premium, which is based on medical inflation and their knowledge of the industry. Because our actual spending in FY2024 is well below our budgeted amount in this category, we anticipate having a decrease in this budget line in FY2025 while planning for a meaningful rate increase. In other words, the amount we saved in FY2024 exceeds the additional expenses anticipated in FY2025.

General Insurance – We have budgeted for a 23.4% increase in this budget category based on detailed input we received from Egis Insurance & Risk Advisors (our insurance agent). As discussed last month, they suggested we will experience a 28% rate increase across our General, Liability, and Property Insurance premiums when we renew these policies on October 1st. A significant portion of this increase is due to the increase in market value of our insured property; as we have not updated our schedule of values for all insured assets since March 2020. In the past, we have taken action to self-insure certain lift stations, and this year our intent is to evaluate expanding the list of self-insured District assets and facilities.

Supplies & Expenses – This category is projected to **decrease by 3.2%**. The majority of this savings comes from tightened up projections on various operating supplies and implementing some computer replacements in FY2024 that were scheduled for FY2025.

Utilities – We are currently budgeting for a **2.7% decrease** in utility costs based on input from FPL. The majority of the identified savings are driven by decreased conservatism within our wastewater transmission and reuse systems (i.e., energy required to pump wastewater and reclaimed water).

Chemicals – We are currently budgeting for a **1% decrease** in chemical costs, driven by optimization within our biosolids odor control process.

Repairs & Maintenance – We are projecting a 14.9% increase in repairs and maintenance costs. This increase is due to the increased amount of maintenance and repair work we have been accomplishing (in the current fiscal year with existing staff and contractors), the increased costs of the work accomplished (i.e., inflation), and the additional work we anticipate accomplishing in the upcoming fiscal year with the two new Construction team members.

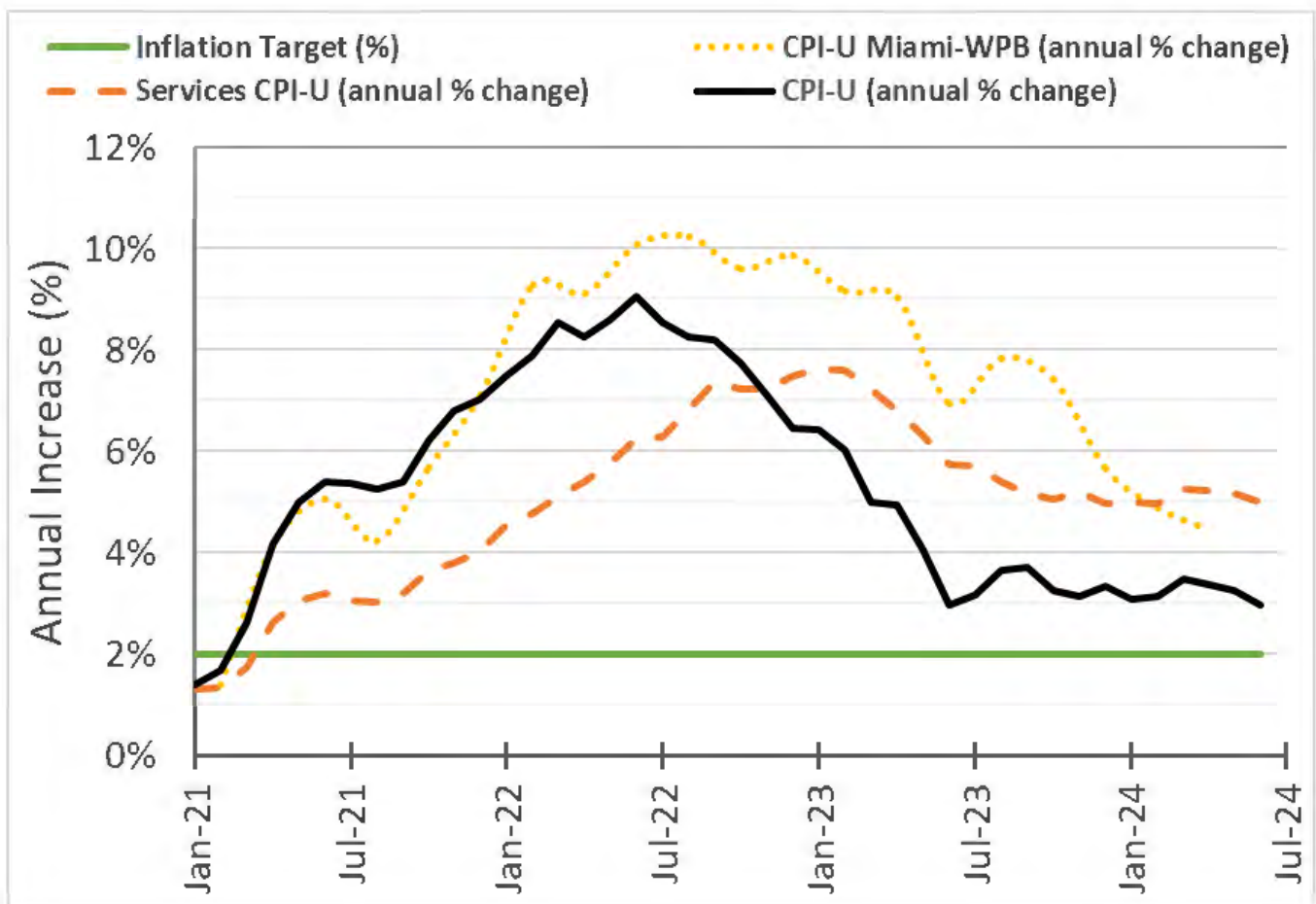
Outside (Contractual) Services – This category is projected to increase by 4.4%. This category includes hauling and processing fees for the SWA Biosolids Processing Facility, fees for leased odor control systems, and payment processing fees. This includes a much-needed rehabilitation and upgrade of the odor scrubber system at our Master Lift Station.

Contingency – We do not anticipate a change in our budgeted contingency amounts.

Capital Budget

On the following two pages we present the FY2025 capital budget figures. We specifically break out individual capital projects that are anticipated to exceed \$200,000 and for convenience we have identified all public education capital projects. Finally, we have identified four contingent capital projects. The intent of these contingent capital projects is to allow staff to pivot to one of these projects should a primary (budgeted) capital project become delayed. The use of these contingent projects will allow staff to continue to complete planned and necessary work, which will facilitate our goal of spending budgeted capital funds.

Staff will be working to finalize this budget over the coming months, so it can be approved in September and effective October 1st. We look forward to receiving Board input and addressing any comments and concerns you may have as we finalize the budget. This is an important process, and we look forward to receiving your input.



Capital – a summary of the draft FY2025 capital budget represents a **6.5% decrease** from FY2024, and the FY2025 capital budget is **9.6% below** our FY25 Rate Study projections, which were reviewed in February and March of this year.

Capital Accounts	FY2024	FY25 Rate Study	FY2025	Note
Contingency	\$ 0	\$ 0	\$ 0	
Land	\$ 0	\$ 10,000	\$ 0	
Buildings	\$ 320,000	\$ 900,000	\$ 485,000	
Infrastructure Improvements (not buildings)	\$ 239,000	\$ 1,565,000	\$ 640,000	
Machinery and Equipment	\$ 1,076,350	\$ 1,220,000	\$ 2,100,000	
Vehicles	\$ 514,338	\$ 325,000	\$ 950,000	
Construction in Progress	\$ 10,547,785	\$ 9,110,000	\$ 7,642,000	
CIP - Exec/Finance/Lab/Cust Svc/IT/Const	\$ 0	\$ 0	\$ 0	
CIP - Public Education	\$ 74,000	\$ 450,000	\$ 275,000	
CIP - Master Planning	\$ 5,000	\$ 375,000	\$ 5,000	1
CIP - General Collection & Transmission	\$ 0	\$ 0	\$ 0	
CIP - Neighborhood Sewering	\$ 296,901	\$ 25,000	\$ 250,000	
CIP - Lift Station	\$ 1,793,534	\$ 1,175,000	\$ 925,000	
CIP - Gravity System	\$ 3,170,000	\$ 2,300,000	\$ 150,000	2
CIP - Force Mains	\$ 1,501,000	\$ 2,750,000	\$ 2,130,000	3
CIP - LPSS	\$ 0	\$ 20,000	\$ 0	
CIP - Permanent Generators	\$ 255,000	\$ 400,000	\$ 332,000	
CIP - Telemetry	\$ 2,000,000	\$ 35,000	\$ 500,000	4
CIP - Operations Planning Studies	\$ 0	\$ 0	\$ 0	
CIP - Operations General Site Imprvmnts	\$ 200,000	\$ 0	\$ 350,000	
CIP - Treatment & Disposal	\$ 572,350	\$ 535,000	\$ 1,160,000	5
CIP - Reuse General	\$ 600,000	\$ 550,000	\$ 1,345,000	6
CIP - Reuse Pumping Stations	\$ 20,000	\$ 25,000	\$ 220,000	7
CIP - Reuse Mains	\$ 0	\$ 20,000	\$ 0	
CIP - Reuse Telemetry/Metering/Controls	\$ 10,000	\$ 50,000	\$ 0	
CIP - Biosolids	\$ 50,000	\$ 400,000	\$ 50,000	8
Total	\$ 12,697,473	\$ 13,130,000	\$ 11,867,000	

Notes:

1. \$500,000 for vulnerability assessment (plant and field) derived from the Site Plan work.
2. Gravity service lateral lining has been moved to a contingent project (see next page).
3. Subaqueous force main near railroad tracks – costs based on construction bids up for approval and existing engineering contract.
4. Telemetry project has been delayed and we have moved costs from FY24 to FY25.
5. Engineering assessment has revealed more work than anticipated.
6. Project has been delayed and we have moved costs from FY24 to FY25 and costs have increased.
7. Costs are based on engineer’s estimate of probable costs after preliminary design report.
8. Biosolids project sequencing – only engineering (site planning) to be completed in FY25.

Budgeted capital projects ≥ \$200,000:

Project Description	Cost
Lox. River Subaqueous Force Main Replacement - engineering and construction	\$2,030,000
County Line Road Bridge IQ Main Relocation - engineering and construction	\$1,345,000
Lift Station Cellular Telemetry - completion of ongoing project	\$500,000
Lift Station Rehabs	\$500,000
Rehab of Headworks, A-Structure, and B-Structure - engineering	\$500,000
Replace 4 Portable Generators	\$500,000
Vulnerability (Risk) Assessment - Plant, Collections, Reuse	\$500,000
20 Acres - Site/Civil: Remediation – engineering and construction	\$450,000
Clarifier # 4 Rehabilitation - construction	\$350,000
Disaster Recovery Site Setup (offsite IT systems)	\$300,000
Lift Station 050 Emergency Generator – engineering and construction	\$332,000
Lift Station Conversion #82 - engineering and construction	\$275,000
Rehab and upgrade IQ518 electrical, instrumentation, and controls - engineering	\$220,000
WWTP Electrical Systems Upgrades - Phase 1	\$210,000
Front End Loader Replacement	\$200,000

Public Education Capital Projects

BLM House Improvements (scaled down demo and construction on 1 house)	\$150,000
20 Acres (engineering and construction)	\$125,000
Ford Transit Van (15 passenger)	\$ 70,000
Total	\$345,000

Contingent Capital Projects

1. Gravity service lateral lining (\$2.2 M)
2. Lift Station Control Panel Replacement and Telemetry (\$2.2 M)
3. Engineering for rehab of IQ 511 Pump Station (\$250 k)
4. Engineering for rehab of Vacuum Truck Dump Facility (\$63 k)

The total potential spend on these four projects is \$4.7 million. This year we are listing contingent capital projects. The intent of listing these projects is to allow staff to pivot to one of these projects should a primary (budgeted) project become delayed. The use of these contingent projects will allow staff to continue to complete planned and necessary work, which will facilitate our goal of spending budgeted capital funds.

Loxahatchee River Environmental Control District

Annual Budget

For the Fiscal Year Ending September 30, 2025



Prepared by:
Finance Department

Kara Fraraccio, CPA
Director of Finance and Administration

Governing Board

Representing the voice of a community dedicated to preserving the Loxahatchee River, the Loxahatchee River District is guided by a publicly elected, five-member Governing Board. Elected in staggered terms of four years, they bring to the District their expertise in environmental issues, engineering and planning. Board members must be a resident of the Governing Board area in which he or she is elected.

Stephen B. Rockoff _____ Chairman
Area #5

Gordon Boggie _____ Vice-Chairman
Area #1

Clinton R. Yerkes _____ Treasurer
Area #2

Kevin Baker _____ Secretary
Area #4

Dr. Matt H. Rostock _____ Assistant Secretary/Treasurer
Area #3

Senior Management Team

D. Albrey Arrington, Ph.D. _____ Executive Director

Kris Dean, PE _____ Deputy Executive Director

Courtney Jones, PE _____ Director of Engineering

Kara D. Fraraccio, CPA _____ Director of Finance and Administration

Kenneth Howard _____ Director of Information Services

Jason A. Pugsley, PE _____ Plant Manager

DRAFT Resolution No. 2024-11 **DRAFT**

WHEREAS, under the provisions of Section 189.016, Florida Statutes, the proposed annual budget for the Loxahatchee River Environmental Control District has been submitted this 19th day of September, 2024.

WHEREAS, under the provisions of Section 189.015, Florida Statutes, a public hearing on the proposed budget has been held and notice thereof having been published in one issue of the Palm Beach Post, a newspaper of general circulation in the District, more than five days before such hearing; and

WHEREAS, all necessary changes have been made as to revenue estimates and expenditures.

NOW, THEREFORE, BE IT RESOLVED by the Governing Board of the Loxahatchee River Environmental Control District that the budget for fiscal year ending September 30, 2025, a copy of which is hereto attached and made a part of this resolution as fully as if set forth verbatim herein, is hereby approved and adopted:

REVENUES

Operating Revenue	\$ 22,179,455
Capital Revenue	2,068,000
Nonoperating Revenue	2,442,100
Carryforward of Surplus from Prior Years	6,630,655
TOTAL REVENUES	<u>\$ 33,320,210</u>

EXPENSES

Operating Expenses	\$ 21,453,210
Capital Improvements	2,817,000
Renewal and Replacement	9,050,000
TOTAL EXPENSES	<u>\$ 33,320,210</u>

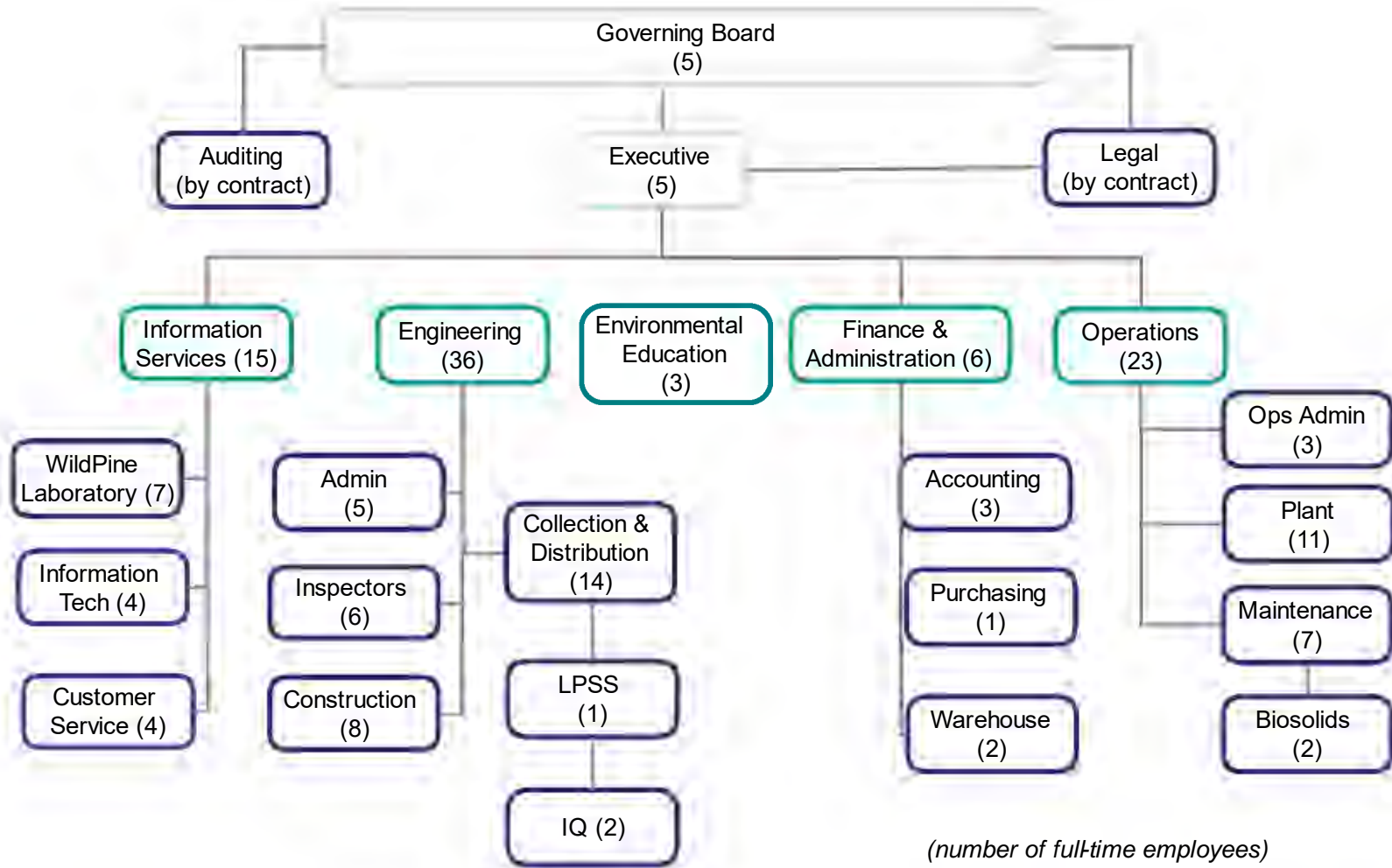
This Resolution adopted by the Governing Board of the Loxahatchee River Environmental Control District on this 19th day of September, 2024.

Stephen B. Rockoff, Chairman Vote: _____ _____ Vote: _____
Gordon M. Boggie, Vice Chairman

Clinton R. Yerkes, Treasurer Vote: _____ _____ Vote: _____
Kevin Baker, Secretary

Dr. Matt Rostock, Assistant Secretary/Treasurer

Loxahatchee River District Organization Chart Fiscal Year 2025



*(number of full-time employees)
Total full-time employees = 88*

2024-10-01

Budget Summary

	FY 2024 Budget	FY 2025 Budget	Percent Change
Revenues			
<i>Operating Revenues</i>			
Regional Sewer Service	\$ 18,528,000	\$ 19,029,455	2.71%
IQ Water Charges	2,417,000	2,500,000	3.43%
Standby Sewer Service	79,000	100,000	26.58%
Administration and Engineering Fees	80,000	50,000	-37.50%
Other Revenue	511,285	500,000	-2.21%
<i>Subtotal Operating Revenues</i>	21,615,285	22,179,455	2.61%
<i>Capital Revenues</i>			
Line Charges	450,000	400,000	-11.11%
Assessments	1,082,000	1,068,000	-1.29%
Plant Charges	700,000	600,000	-14.29%
Capital Contributions	250,000		-100.00%
<i>Subtotal Capital Revenues</i>	2,482,000	2,068,000	-16.68%
<i>Other Revenues</i>			
Grant Revenue	100,000	200,000	100.00%
Interest Income	1,847,400	2,242,100	21.37%
Carryforward of Surplus from Prior Years	7,089,760	6,630,655	-6.48%
Total Revenues	\$ 33,134,445	\$ 33,320,210	0.56%
Expenses			
<i>Operating Expenses (by category)</i>			
Salaries and Wages	\$ 7,863,800	\$ 8,440,400	7.33%
Payroll Taxes	559,200	599,800	7.26%
Retirement Contributions	1,204,100	1,267,100	5.23%
Employee Health Insurance	1,995,200	1,909,000	-4.32%
Workers' Compensation Insurance	75,800	64,400	-15.04%
General Insurance	499,730	616,575	23.38%
Supplies and Expenses	1,243,362	1,204,020	-3.16%
Utilities	1,860,071	1,810,770	-2.65%
Chemicals	519,000	514,000	-0.96%
Repairs and Maintenance	2,088,909	2,399,140	14.85%
Outside Services	2,302,800	2,403,005	4.35%
Contingency	225,000	225,000	0.00%
<i>Subtotal Operating Expenses</i>	20,436,972	21,453,210	4.97%
<i>Capital</i>			
Capital Improvements	2,978,251	2,817,000	-5.41%
Renewal and Replacement	9,719,222	9,050,000	-6.89%
<i>Subtotal Capital</i>	12,697,473	11,867,000	-6.54%
Total Expenses	\$ 33,134,445	\$ 33,320,210	0.56%

Executive Department

40-10

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
511000 Special Pay - Governing Board	\$ 6,500	\$ 6,500	0.00%
512000 Salaries and Wages	710,600	750,800	5.66%
514000 Overtime	1,000	1,000	0.00%
521000 Payroll Taxes	39,700	41,000	3.27%
522000 Retirement Contributions	115,400	121,800	5.55%
523000 Life, Health, and Dental Insurance	186,900	145,100	-22.36%
524000 Workers Compensation Insurance	800	700	-12.50%
<i>Subtotal</i>	\$ 1,060,900	\$ 1,066,900	0.57%
<i>Operating Expenses</i>			
534000 Other Contractual Services	\$ 24,000	\$ 26,000	8.33%
540000 Travel and Per Diem	16,200	16,200	0.00%
541000 Communications	9,600	9,600	0.00%
542000 Freight and Postage	10,000	10,000	0.00%
543000 Utility Services	1,000	1,000	0.00%
544000 Rentals and Leases	1,500	1,500	0.00%
545000 Insurance	36,980	43,025	16.35%
546000 Repair and Maintenance - General	20,475	20,950	2.32%
546100 Repair and Maintenance - Vehicles	1,000	1,000	0.00%
551000 Office Supplies	5,000	5,000	0.00%
552000 Operating Supplies	27,600	27,600	0.00%
552200 Fuel, Diesel, Oil	3,250	3,250	0.00%
554000 Books, Publications, Memberships, and Subscriptions	30,165	29,090	-3.56%
555000 Training and Education	9,125	7,625	-16.44%
<i>Subtotal</i>	\$ 195,895	\$ 201,840	3.03%
Total	\$ 1,256,795	\$ 1,268,740	0.95%
Personnel Schedule			
	FTE	FTE	Change
Executive Director	1.0	1.0	-
Deputy Executive Director	1.0	1.0	-
Executive Secretary	1.0	1.0	-
Human Resource Generalist	1.0	1.0	-
Safety Officer	1.0	1.0	-
Total	5.0	5.0	-

Professional Services Department**40-20**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Operating Expenses</i>				
531100	Engineering	\$ 60,000	\$ 10,000	-83.33%
531300	Legal Expense - Non-Litigation	65,000	65,000	0.00%
531400	Legal Expense - Litigation	50,000	25,000	-50.00%
531500	Legal Expense - Collections	5,000	5,000	0.00%
531600	Pension Advisor	30,000	24,500	-18.33%
531700	Human Resource Law	9,000	9,000	0.00%
531800	Investment Advisor	5,000	2,000	-60.00%
532100	Audit Services	42,250	44,250	4.73%
Subtotal		\$ 266,250	\$ 184,750	-30.61%
Total		\$ 266,250	\$ 184,750	-30.61%

Personnel Schedule	FY 2024 FTE	FY 2025 FTE	Change
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Finance Department

40-30

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
512000 Salaries and Wages	\$ 569,200	\$ 589,100	3.50%
514000 Overtime	5,000	5,000	0.00%
521000 Payroll Taxes	41,400	42,800	3.38%
522000 Retirement Contributions	93,700	96,900	3.42%
523000 Life, Health, and Dental Insurance	149,800	113,000	-24.57%
524000 Workers Compensation Insurance	2,600	2,200	-15.38%
<i>Subtotal</i>	\$ 861,700	\$ 849,000	-1.47%
<i>Operating Expenses</i>			
534000 Other Contractual Services	\$ 36,450	\$ 31,700	-13.03%
541000 Communications	4,300	4,300	0.00%
546000 Repair and Maintenance - General	10,100	8,700	-13.86%
549500 Tax Collector Fees and Discounts	63,400	58,225	-8.16%
551000 Office Supplies	1,000	1,000	0.00%
552000 Operating Supplies	13,280	13,150	-0.98%
554000 Books, Publications, Subscriptions, and Memberships	12,035	10,540	-12.42%
555000 Training and Education	3,090	3,090	0.00%
<i>Subtotal</i>	\$ 143,655	\$ 130,705	-9.02%
Total	\$ 1,005,355	\$ 979,705	-2.55%

Personnel Schedule	FY 2024 FTE	FY 2025 FTE	Change
Director of Finance and Administration	1.0	1.0	-
Accountant II	1.0	1.0	-
Accountant I	1.0	1.0	-
Purchasing Agent	1.0	1.0	-
Warehouse Coordinator	2.0	2.0	-
Total	6.0	6.0	-

Public Education Department**40-40**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
512000 Salaries and Wages	\$ 205,300	\$ 217,100	5.75%
513000 Other Salaries and Wages	122,100	129,000	5.65%
514000 Overtime	10,000	10,000	0.00%
521000 Payroll Taxes	25,200	26,700	5.95%
522000 Retirement Contributions	35,400	37,300	5.37%
523000 Life, Health, and Dental Insurance	59,900	54,300	-9.35%
524000 Workers Compensation Insurance	300	300	0.00%
<i>Subtotal</i>	\$ 458,200	\$ 474,700	3.60%
<i>Operating Expenses</i>			
531000 Professional Services	\$ 1,850	\$ 1,250	-32.43%
534000 Other Contractual Services	10,050	14,080	40.10%
541000 Communications	4,800	4,800	0.00%
543000 Utility Services	32,000	35,000	9.38%
545000 Insurance	8,550	5,450	-36.26%
546000 Repair and Maintenance - General	58,574	55,500	-5.25%
546100 Repair and Maintenance - Vehicles	5,000	3,000	-40.00%
546300 Repair and Maintenance - Structures and Grounds	6,500	7,000	7.69%
547000 Printing and Publications	600	600	0.00%
552000 Operating Supplies	88,755	90,600	2.08%
552200 Fuel, Diesel, Oil	750	750	0.00%
552500 Gift Shop		200	100.00%
554000 Books, Publications, Subscriptions, and Memberships	3,260	10,200	212.88%
555000 Training and Education	4,950	4,525	-8.59%
<i>Subtotal</i>	\$ 225,639	\$ 232,955	3.24%
Total	\$ 683,839	\$ 707,655	3.48%

Personnel Schedule	FY 2024 FTE	FY 2025 FTE	Change
Environmental Education Manager	1.0	1.0	0.0
Environmental Education Coordinator	1.0	1.0	0.0
Nature Education and Animal Care	1.0	1.0	0.0
Total	3.0	3.0	0.0

WildPine Lab Department**40-41**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
512000 Salaries and Wages	\$ 707,200	\$ 742,100	4.93%
513000 Other Salaries and Wages	24,000	24,000	0.00%
514000 Overtime	12,000	12,000	0.00%
521000 Payroll Taxes	53,000	55,300	4.34%
522000 Retirement Contributions	103,100	122,800	19.11%
523000 Life, Health, and Dental Insurance	129,900	119,800	-7.78%
524000 Workers Compensation Insurance	8,500	6,000	-29.41%
<i>Subtotal</i>	\$ 1,037,700	\$ 1,082,000	4.27%
<i>Operating Expenses</i>			
531000 Professional Services	\$ 55,000	\$ 55,000	0.00%
534000 Other Contractual Services	5,700	5,000	-12.28%
541000 Communications	3,600	3,600	0.00%
545000 Insurance	4,100	4,100	0.00%
546000 Repair and Maintenance - General	7,150	6,750	-5.59%
546100 Repair and Maintenance - Vehicles	13,000	13,000	0.00%
546200 Repair and Maintenance - Equipment	26,630	28,030	5.26%
552000 Operating Supplies	75,000	75,000	0.00%
552200 Fuel, Diesel, Oil	3,000	3,000	0.00%
554000 Books, Publications, Subscriptions, and Memberships	6,515	5,500	-15.58%
555000 Training and Education	1,000	2,000	100.00%
<i>Subtotal</i>	\$ 200,695	\$ 200,980	0.14%
Total	\$ 1,238,395	\$ 1,282,980	3.60%

Personnel Schedule	FY 2024 FTE	FY 2025 FTE	Change
Director of Information Services	1.0	1.0	0.0
Lab Manager	1.0	1.0	0.0
Senior Scientist	1.0	1.0	0.0
Lab Technician II	3.0	3.0	0.0
Lab Technician I	1.0	1.0	0.0
Total	7.0	7.0	0.0

Customer Service Department

40-42

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
Personal Services			
512000 Salaries and Wages	\$ 229,000	\$ 245,100	7.03%
514000 Overtime	1,000	1,000	0.00%
521000 Payroll Taxes	17,000	18,200	7.06%
522000 Retirement Contributions	36,400	40,600	11.54%
523000 Life, Health, and Dental Insurance	62,400	65,200	4.49%
524000 Workers Compensation Insurance	300	300	0.00%
Subtotal	\$ 346,100	\$ 370,400	7.02%
Operating Expenses			
534000 Other Contractual Services	\$ 143,000	\$ 167,000	16.78%
541000 Communications	2,000	2,000	0.00%
542000 Freight and Postage	85,000	84,000	-1.18%
546000 Repairs and Maintenance - General	16,400	8,800	-46.34%
552000 Operating Supplies	3,000	3,000	0.00%
554000 Books, Publications, Subscriptions and Memberships	26,247	25,700	-2.08%
Subtotal	\$ 275,647	\$ 290,500	5.39%
Total	\$ 621,747	\$ 660,900	6.30%
Personnel Schedule			
	FY 2024 FTE	FY 2025 FTE	Change
Customer Service Coordinator	1.0	1.0	0.0
Customer Service Rep II	1.0	2.0	1.0
Customer Service Rep I	2.0	1.0	-1.0
Total	4.0	4.0	0.0

Information Technology Department

40-43

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
512000 Salaries and Wages	\$ 292,800	\$ 358,000	22.27%
514000 Overtime	500	500	0.00%
521000 Payroll Taxes	21,200	26,100	23.11%
522000 Retirement Contributions	42,100	45,600	8.31%
523000 Life, Health, and Dental Insurance	103,200	122,800	18.99%
524000 Workers Compensation Insurance	300	400	33.33%
<i>Subtotal</i>	\$ 460,100	\$ 553,400	20.28%
<i>Operating Expenses</i>			
531000 Professional Services	\$ 95,000	\$ 70,000	-26.32%
534000 Other Contractual Services	1,500	1,500	0.00%
541000 Communications	13,620	13,620	0.00%
546000 Repair and Maintenance - General	20,900	21,600	3.35%
552000 Operating Supplies	44,500	39,000	-12.36%
554000 Books, Publications, Memberships, and Subscriptions	44,325	46,550	5.02%
555000 Training and Education	5,000	5,000	0.00%
<i>Subtotal</i>	\$ 224,845	\$ 197,270	-12.26%
Total	\$ 684,945	\$ 750,670	9.60%
	FY 2024	FY 2025	
Personnel Schedule	FTE	FTE	Change
IT Manager	1.0	1.0	0.0
GIS Application Administrator	1.0	1.0	0.0
Application Support Administrator	1.0	1.0	0.0
IT Help Desk Support Tech	1.0	1.0	0.0
Total	4.0	4.0	0.0

Engineering and Inspection Department**40-50**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
Personal Services			
512000 Salaries and Wages	\$ 965,000	\$ 1,017,800	5.47%
513000 Other Salaries and Wages	-	10,000	100.00%
514000 Overtime	37,500	37,500	0.00%
521000 Payroll Taxes	73,100	77,700	6.29%
522000 Retirement Contributions	150,500	157,700	4.78%
523000 Life, Health, and Dental Insurance	302,400	280,400	-7.28%
524000 Workers Compensation Insurance	9,800	8,300	-15.31%
Subtotal	\$ 1,538,300	\$ 1,589,400	3.32%
Operating Expenses			
540000 Travel and Per Diem	\$ 3,000	\$ 2,000	-33.33%
541000 Communications	12,500	12,500	0.00%
546000 Repair and Maintenance - General	14,500	15,500	6.90%
546100 Repair and Maintenance - Vehicles	5,000	20,000	300.00%
546200 Repair and Maintenance - Equipment	5,000	5,000	0.00%
546700 Repair and Maintenance - MOT		1,250	100.00%
551000 Office Supplies	1,000	1,000	0.00%
552000 Operating Supplies	29,500	30,600	3.73%
552200 Fuel, Diesel, Oil	25,000	20,000	-20.00%
552800 Safety Supplies		1,000	100.00%
554000 Books, Publications, Subscriptions, and Memberships	10,365	9,100	-12.20%
555000 Training and Education	6,000	4,500	-25.00%
Subtotal	\$ 111,865	\$ 122,450	9.46%
Total	\$ 1,650,165	\$ 1,711,850	3.74%

Personnel Schedule	FY 2024 FTE	FY 2025 FTE	Change
Director of Engineering	1.0	1.0	0.0
Chief Construction Inspector	1.0	1.0	0.0
Project Engineer	1.0	1.0	0.0
Construction Inspector	2.0	2.0	0.0
Compliance Technician	1.0	1.0	0.0
Utility Locate and Compliance Technician	2.0	2.0	0.0
Engineering/GIS Tech	1.0	1.0	0.0
Engineering Assistant	1.0	1.0	0.0
Projects Coordinator	1.0	1.0	0.0
Total	11.0	11.0	0.0

Construction Department**40-51**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
512000 Salaries and Wages	\$ 377,100	\$ 494,500	31.13%
514000 Overtime	11,500	11,500	0.00%
521000 Payroll Taxes	28,300	36,900	30.39%
522000 Retirement Contributions	61,800	63,200	2.27%
523000 Life, Health, and Dental Insurance	134,900	172,900	28.17%
524000 Workers Compensation Insurance	5,700	6,000	5.26%
<i>Subtotal</i>	\$ 619,300	\$ 785,000	26.76%
<i>Operating Expenses</i>			
541000 Communications	\$ 6,900	\$ 6,900	0.00%
546000 Repair and Maintenance - General	10,100	11,310	11.98%
546100 Repair and Maintenance - Vehicles	10,000	35,000	250.00%
546200 Repair and Maintenance - Equipment	5,000	17,500	250.00%
546700 Repair and Maintenance - MOT		3,000	100.00%
552000 Operating Supplies	31,500	48,500	53.97%
552200 Fuel, Diesel, Oil	20,000	20,000	0.00%
5528000 Safety Supplies		3,500	100.00%
554000 Books, Publications, Subscriptions, and Memberships	5,695	7,500	31.69%
555000 Training and Education	5,000	6,500	30.00%
<i>Subtotal</i>	\$ 94,195	\$ 159,710	69.55%
Total	\$ 713,495	\$ 944,710	32.41%
Personnel Schedule			
	FTE	FTE	Change
Construction Coordinator	1.0	1.0	0.0
Construction System Foreman	1.0	1.0	0.0
Construction System Operator	4.0	6.0	2.0
Total	6.0	8.0	2.0

Operations Administrative Department

50-10

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
Personal Services			
512000 Salaries and Wages	\$ 366,500	\$ 388,000	5.87%
514000 Overtime	1,000	1,000	0.00%
521000 Payroll Taxes	23,300	24,300	4.29%
522000 Retirement Contributions	59,700	63,200	5.86%
523000 Life, Health, and Dental Insurance	65,000	57,700	-11.23%
524000 Workers Compensation Insurance	3,200	2,700	-15.63%
Subtotal	\$ 518,700	\$ 536,900	3.51%
Operating Expenses			
531000 Professional Services	\$ 20,000	\$	-100.00%
534000 Other Contractual Services	8,100	7,000	-13.58%
540000 Travel and Per Diem	2,500	2,500	0.00%
541000 Communications	8,200	8,200	0.00%
542000 Freight and Postage	2,500	2,500	0.00%
545000 Insurance	450,100	564,000	25.31%
546000 Repair and Maintenance - General	45,270	53,000	17.08%
551000 Office Supplies	3,000	3,000	0.00%
552000 Operating Supplies	13,450	13,450	0.00%
552800 Operating Supplies - Safety	36,500	15,000	-58.90%
554000 Books, Publications, Memberships, and Subscriptions	26,045	24,700	-5.16%
555000 Training and Education	6,150	2,600	-57.72%
Subtotal	\$ 621,815	\$ 695,950	11.92%
Total	\$ 1,140,515	\$ 1,232,850	8.10%
Personnel Schedule			
	FTE	FTE	Change
Plant Manager	1.0	1.0	0.0
System Specialist II	1.0	1.0	0.0
Administrative Assistant	1.0	1.0	0.0
Total	3.0	3.0	0.0

Collection and Transmission Department

50-40

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
Personal Services			
512000 Salaries and Wages	\$ 1,109,900	\$ 1,183,600	6.64%
514000 Overtime	170,000	170,000	0.00%
521000 Payroll Taxes	94,400	99,600	5.51%
522000 Retirement Contributions	190,900	193,600	1.41%
523000 Life, Health, and Dental Insurance	327,000	347,700	6.33%
524000 Workers Compensation Insurance	18,000	15,200	-15.56%
Subtotal	\$ 1,910,200	\$ 2,009,700	5.21%
Operating Expenses			
541000 Communications	\$ 22,300	\$ 22,300	0.00%
543000 Utility Services	473,750	452,750	-4.43%
544000 Rentals and Leases	45,000	72,000	60.00%
546000 Repair and Maintenance - General	337,900	288,500	-14.62%
546100 Repair and Maintenance - Vehicles	80,000	75,000	-6.25%
546200 Repair and Maintenance - Equipment	375,000	415,000	10.67%
546300 Repair and Maintenance - Structures and Grounds	105,000	145,000	38.10%
546600 Repair and Maintenance - Outside Services		20,000	100.00%
546700 Repair and Maintenance - MOT		22,000	100.00%
552000 Operating Supplies	162,950	140,000	-14.08%
552200 Fuel, Diesel, Oil	60,000	75,000	25.00%
552300 Fuel, Diesel, Oil - Generators	5,000	5,500	10.00%
552800 Safety Supplies		3,000	100.00%
554000 Books, Publications, Memberships, and Subscriptions	14,300	10,320	-27.83%
555000 Training and Education	15,000	22,500	50.00%
Subtotal	\$ 1,696,200	\$ 1,768,870	4.28%
Total	\$ 3,606,400	\$ 3,778,570	4.77%

Personnel Schedule	FY 2024 FTE	FY 2025 FTE	Change
Collection Superintendent	1.0	1.0	0.0
Collection and Distribution Foreman	1.0	1.0	0.0
Lead Field Technician	2.0	2.0	0.0
Collection and Distribution Operator	11.0	11.0	0.0
Total	15.0	15.0	0.0

Treatment and Disposal Department**50-50**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
Personal Services			
512000 Salaries and Wages	\$ 1,362,900	\$ 1,463,100	7.35%
514000 Overtime	233,500	229,800	-1.58%
521000 Payroll Taxes	118,100	125,700	6.44%
522000 Retirement Contributions	260,600	276,300	6.02%
523000 Life, Health, and Dental Insurance	378,700	351,400	-7.21%
524000 Workers Compensation Insurance	21,400	18,300	-14.49%
Subtotal	\$ 2,375,200	\$ 2,464,600	3.76%
Operating Expenses			
534000 Other Contractual Services	\$ 16,000	\$ 13,000	-18.75%
541000 Communications	16,300	16,300	0.00%
543000 Utility Services	689,801	724,500	5.03%
544000 Rentals and Leases	80,000	175,000	118.75%
546000 Repair and Maintenance - General	28,000	45,000	60.71%
546100 Repair and Maintenance - Vehicles	17,000	10,000	-41.18%
546200 Repair and Maintenance - Equipment	240,500	353,000	46.78%
546300 Repair and Maintenance - Structures and Grounds	212,010	175,000	-17.46%
546600 Repair and Maintenance - Outside Services	137,500	222,500	61.82%
552000 Operating Supplies	220,000	201,500	-8.41%
552100 Operating Supplies - Chemicals	4,000	4,000	0.00%
552200 Fuel, Diesel, Oil	30,000	15,000	-50.00%
552300 Fuel, Diesel, Oil - Generators	10,000	15,000	50.00%
552800 Safety Supplies		5,000	100.00%
554000 Books, Publications, Memberships, and Subscriptions	17,300	15,000	-13.29%
555000 Training and Education	23,970	21,000	-12.39%
Subtotal	\$ 1,742,381	\$ 2,010,800	15.41%
Total	\$ 4,117,581	\$ 4,475,400	8.69%
	FY 2024	FY 2025	
Personnel Schedule	FTE	FTE	Change
Plant Chief Operator	1.0	1.0	0.0
Plant Maintenance Foreman	1.0	1.0	0.0
Plant Electrician	3.0	3.0	0.0
Industrial Pretreatment Coordinator	1.0	1.0	0.0
Operations Reliability Asset Coordinator	1.0	1.0	0.0
Waste Water Treatment Plant Operator	8.0	8.0	0.0
Wastewater Treatment Plant Process Analysis Tech	1.0	1.0	0.0
Plant Maintenance Operator II	1.0	1.0	0.0
Plant Maintenance Operator I	1.0	1.0	0.0
Total	18.0	18.0	0.0

Reuse Department**50-60**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
512000 Salaries and Wages	\$ 172,000	\$ 177,600	3.26%
514000 Overtime	12,000	12,000	0.00%
521000 Payroll Taxes	13,600	14,100	3.68%
522000 Retirement Contributions	30,100	31,000	2.99%
523000 Life, Health, and Dental Insurance	48,300	43,700	-9.52%
524000 Workers Compensation Insurance	2,700	2,200	-18.52%
<i>Subtotal</i>	\$ 278,700	\$ 280,600	0.68%
<i>Operating Expenses</i>			
541000 Communications	\$ 5,800	\$ 5,800	0.00%
543000 Utility Services	455,500	390,500	-14.27%
546000 Repair and Maintenance - General	6,700	7,000	4.48%
546100 Repair and Maintenance - Vehicles	5,000	10,000	100.00%
546200 Repair and Maintenance - Equipment	135,000	135,000	0.00%
546300 Repair and Maintenance - Structures and Grounds	25,000	55,000	120.00%
546700 Repair and Maintenance - MOT		1,250	100.00%
549000 Other Current Charges and Obligations	245,000	265,000	8.16%
552000 Operating Supplies	6,000	6,000	0.00%
552100 Operating Supplies - Chemicals	190,000	210,000	10.53%
552200 Fuel, Diesel, Oil	9,500	7,500	-21.05%
552800 Safety Supplies		2,400	100.00%
554000 Books, Publications, Memberships, and Subscriptions	1,970	1,540	-21.83%
555000 Training and Education	2,000	3,000	50.00%
<i>Subtotal</i>	\$ 1,087,470	\$ 1,099,990	1.15%
Total	\$ 1,366,170	\$ 1,380,590	1.06%
<i>Personnel Schedule</i>			
	FY 2024 FTE	FY 2025 FTE	Change
Reuse System Operator	2.0	2.0	0.0
Total	2.0	2.0	0.0

Bio-Solids Department**50-80**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Personal Services</i>			
512000 Salaries and Wages	\$ 136,200	\$ 140,300	3.01%
514000 Overtime	12,500	12,500	0.00%
521000 Payroll Taxes	10,900	11,400	4.59%
522000 Retirement Contributions	24,400	17,100	-29.92%
523000 Life, Health, and Dental Insurance	46,800	35,000	-25.21%
524000 Workers Compensation Insurance	2,200	1,800	-18.18%
<i>Subtotal</i>	\$ 233,000	\$ 218,100	-6.39%
<i>Operating Expenses</i>			
541000 Communications	\$ 600	\$ 600	0.00%
546000 Repair and Maintenance - General	3,700	5,500	48.65%
546100 Repair and Maintenance - Vehicles	7,500	2,500	-66.67%
546200 Repair and Maintenance - Equipment	75,500	65,000	-13.91%
546300 Repair and Maintenance - Structures and Grounds	17,000	11,000	-35.29%
549000 Other Current Charges and Obligations	1,185,000	1,255,000	5.91%
552000 Operating Supplies	5,000	5,000	0.00%
552100 Operating Supplies - Chemicals	325,000	300,000	-7.69%
552200 Fuel, Diesel, Oil	2,500	2,500	0.00%
554000 Books, Publications, Memberships, and Subscriptions	1,970	1,590	-19.29%
555000 Training and Education	3,550	2,050	-42.25%
<i>Subtotal</i>	\$ 1,627,320	\$ 1,650,740	1.44%
Total	\$ 1,860,320	\$ 1,868,840	0.46%
	FY 2024	FY 2025	
Personnel Schedule	FTE	FTE	Change
Plant Maintenance Operator II	1.0	1.0	0.0
Plant Maintenance Operator I	1.0	1.0	0.0
Total	2.0	2.0	0.0

Contingency

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
<i>Contingency</i>			
599000 Contingency	\$ 225,000	\$ 225,000	0.00%
Total	\$ 225,000	\$ 225,000	0.00%
Total Operating Budget	\$ 20,436,972	\$ 21,453,210	4.97%

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Capital Improvement Summary

Description	FY 2024 Budget	FY 2025 Budget	Percent Change
Account			
Land	\$	\$	0.00%
Buildings	370,000	635,000	71.62%
Improvements Other than Buildings (Infrastructure)	263,000	765,000	190.87%
Machinery and Equipment	1,076,350	2,100,000	95.10%
Vehicles	514,338	950,000	84.70%
Construction in Progress	1,427,350	2,910,000	103.87%
Construction in Progress - Neighborhood Sewering	296,901	250,000	-15.80%
Construction in Progress - Lift Station	1,813,534	1,145,000	-36.86%
Construction in Progress - Gravity System	3,170,000	150,000	-95.27%
Construction in Progress - Force Main	1,501,000	2,130,000	41.91%
Construction in Progress - LPSS			0.00%
Construction in Progress - Permanent Generator	255,000	332,000	30.20%
Construction in Progress - Telemetry	2,010,000	500,000	-75.12%
Total	<u>\$ 12,697,473</u>	<u>\$ 11,867,000</u>	<u>-6.54%</u>

Executive Department**40-10**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
600000	Contingency	\$	\$	0.00%
610000	Land			0.00%
620000	Buildings			0.00%
630000	Improvements Other than Buildings			0.00%
640000	Machinery and Equipment			0.00%
641000	Vehicles			0.00%
650000	Construction in Progress			0.00%
Total		\$	\$	0.00%

Finance Department**40-30**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings	125,000	125,000	0.00%
630000	Improvements Other than Buildings			0.00%
640000	Machinery and Equipment			0.00%
641000	Vehicles			0.00%
650000	Construction in Progress			0.00%
Total		\$ 125,000	\$ 125,000	0.00%

Public Education Department**40-40**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings	50,000	150,000	200.00%
630000	Improvements Other than Buildings	24,000	125,000	420.83%
640000	Machinery and Equipment			0.00%
641000	Vehicles		70,000	100.00%
650000	Construction in Progress			0.00%
Total		\$ 74,000	\$ 345,000	366.22%

WildPine Lab Department**40-41**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings			0.00%
630000	Improvements Other than Buildings			0.00%
640000	Machinery and Equipment	15,000	10,000	-33.33%
641000	Vehicles	50,000	65,000	30.00%
650000	Construction in Progress			0.00%
Total		\$ 65,000	\$ 75,000	15.38%

Customer Service Department**40-42**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings			0.00%
630000	Improvements Other than Buildings	29,000		-100.00%
640000	Machinery and Equipment			0.00%
641000	Vehicles			0.00%
650000	Construction in Progress			0.00%
Total		\$ 29,000	\$	-100.00%

Information Technology Department**40-43**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings			0.00%
630000	Improvements Other than Buildings			0.00%
640000	Machinery and Equipment	220,000	300,000	36.36%
641000	Vehicles			0.00%
650000	Construction in Progress			0.00%
Total		\$ 220,000	\$ 300,000	36.36%

Engineering and Inspection Department**40-50**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings		115,000	100.00%
630000	Improvements Other than Buildings			0.00%
640000	Machinery and Equipment			0.00%
641000	Vehicles	109,642	65,000	-40.72%
650000	Construction in Progress	5,000	5,000	0.00%
Total		\$ 114,642	\$ 185,000	61.37%

Construction Department**40-51**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings			0.00%
630000	Improvements Other than Buildings			0.00%
640000	Machinery and Equipment	21,350	70,000	227.87%
641000	Vehicles	125,000	355,000	184.00%
650000	Construction in Progress			0.00%
Total		\$ 146,350	\$ 425,000	190.40%

Operations Administrative Department**50-10**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings		70,000	100.00%
630000	Improvements Other than Buildings	125,000	75,000	-40.00%
640000	Machinery and Equipment			0.00%
641000	Vehicles	50,000	45,000	-10.00%
650000	Construction in Progress	200,000	350,000	75.00%
Total		\$ 375,000	\$ 540,000	44.00%

Collection and Transmission Department**50-40**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings			0.00%
630000	Improvements Other than Buildings			0.00%
640000	Machinery and Equipment	310,000	500,000	61.29%
641000	Vehicles	179,696	275,000	53.04%
650000	Construction in Progress			0.00%
651000	Construction in Progress - Neighbor. Sewering	296,901	250,000	-15.80%
652000	Construction in Progress - Lift Station	1,793,534	925,000	-48.43%
653000	Construction in Progress - Gravity System	3,170,000	150,000	-95.27%
654000	Construction in Progress - Force Main	1,501,000	2,130,000	41.91%
655000	Construction in Progress - LPSS			0.00%
656000	Construction in Progress - Permanent Generator	255,000	332,000	30.20%
657000	Construction in Progress - Telemetry	2,000,000	500,000	-75.00%
Total		\$ 9,506,131	\$ 5,062,000	-46.75%

Treatment and Disposal Department**50-50**

Account	Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000	Land	\$	\$	0.00%
620000	Buildings	195,000	175,000	-10.26%
630000	Improvements Other than Buildings	85,000	565,000	564.71%
640000	Machinery and Equipment	240,000	750,000	212.50%
641000	Vehicles		75,000	100.00%
650000	Construction in Progress	572,350	1,160,000	102.67%
Total		\$ 1,092,350	\$ 2,725,000	149.46%

Reuse Department**50-60**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000 Land	\$	\$	0.00%
620000 Buildings			0.00%
630000 Improvements Other than Buildings			0.00%
640000 Machinery and Equipment	270,000	470,000	74.07%
641000 Vehicles			0.00%
650000 Construction in Progress	600,000	1,345,000	124.17%
652000 Construction in Progress - Lift Station	20,000	220,000	1000.00%
657000 Construction in Progress - Telemetry	10,000		-100.00%
Total	\$ 900,000	\$ 2,035,000	126.11%

Bio-Solids Department**50-80**

Account Description	FY 2024 Budget	FY 2025 Budget	Percent Change
610000 Land	\$	\$	0.00%
620000 Buildings			0.00%
630000 Improvements Other than Buildings			0.00%
640000 Machinery and Equipment			0.00%
641000 Vehicles			0.00%
650000 Construction in Progress	50,000	50,000	0.00%
Total	\$ 50,000	\$ 50,000	0.00%
Total Capital Improvement	\$ 12,697,473	\$ 11,867,000	-6.54%



Loxahatchee River District

Neighborhood Sewering Schedule - Revised June 2024

Rank #	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date	Heads Up Notice	Sewer Options	Notice Of Intent	Preliminary Assessment	Notice To Connect	Final Assessment	Boundry Interlocal / Legislative
11	Jupiter Farms (East)	708		TBD	TBD							Legislative
11	PB Country Estates	1547		TBD	TBD							Legislative
21	SE Indian Hills Drive	12	Property Records Review Determined Lots Abut US1 Right Of Way		Oct. 2024	Jan.2016	Mar. 2024	Jun. 2024				Legislative

Remnant Area

Rank #	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date	Heads Up Notice	Sewer Options	Notice Of Intent	Preliminary Assessment	Notice To Connect	Final Assessment	Boundry Interlocal / Legislative
	605+607 Military Trl (LPPS)	2		2022		Jun.2020		Jan.2021				Legislative
	18030 69 th Terrace	1	Application for developer project made; Comments on plans being addressed by applicant					Jun. 2024				Legislative
	7985 SE Island Way	2	Permitting Complete; Final Assessment July 2024					Aug. 2022	Jun. 2024	Mar. 2024	Jul. 2024	Legislative
	2966 Jamaica Drive	1	Statutory Way Provision – April 2024 (1 lot)					Aug. 2024				Interlocal
	19999 SE County Line Road	1										Legislative

Private Road Areas

Rank #	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date	Heads Up Notice	Sewer Options	Notice Of Intent	Preliminary Assessment	Notice To Connect	Final Assessment	Boundry Interlocal / Legislative
AA	Peninsular Road	3	Partial construction complete - June 2013 Soliciting easements for remainder of project	2010	AEO			Feb. 2010				Legislative
BB	Rivers Edge Road (Martin Co.)	35	Private Road-Easements Solicited - May 2014 Project Delayed	2013	AEO	Aug. 2010		Feb. 2014				Legislative
CC	171 st Street (Martin Co.)	7	Private Road - In House Design Easement rec'd from Church – April 2017 Grant received	2014	AEO	Oct. 2012						Legislative
D	Loggerhead Park (institutional)	6 EC's	Need Easements from County - No database	2014	AEO							Legislative
DD	Taylor Road	38		2015	AEO	Sept. 2011						Legislative
FF	North A1A	3	Postponed-Town activities in area - No database	2012	AEO							Legislative
GG	815 S US 1	9 EC's		2016	AEO	Nov. 2014						Legislative
GG	Rockinghorse (north of Roebuck Road)	11		2018	AEO	Jan. 2013						Legislative
GG	SE Castle Rd	5		2018	AEO	Jan. 2013						Legislative
GG	SE Jupiter Rd	4		2018	AEO	Jan. 2013						Legislative
HH	19485 Harbor Rd. S	6	Statutory Way Provision – May 2023 (1 lot)	2017	AEO	Jan. 2014		May 2024				Legislative
16	Limestone Creek Road West	49		2018	TBD	Jan. 2013						Legislative
	109 Old Jupiter Beach Road	1	Constr. Plans In Redesign Per Owner – Sept. 2023 - Approved May 2024; Under Construction June 2024			Sept. 2021 July 2022		Jun.2024				Legislative
	182 nd Road North	12	Sewering Pricing Request by 50% of Owners Conceptual Design/Cost Est. - provided June 2023									Legislative
	6604 N 195th Place	1	Statutory Way Provision – Mar. 2024					May 2024				Legislative

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August 5, 2024

Loxahatchee River Environmental Control District
D. Albrey Arrington, Exec. Dir. and Board Members (sent by email to S. Patel)
2500 Jupiter Park Drive
Jupiter, FL 33458

RE: PENDING LITIGATION STATUS REPORT

Dear Dr. Arrington and Board Members:

We are enclosing herewith a brief status report relating to the litigation in which the Loxahatchee River Environmental Control District is involved with our law firm as the attorney of record, and/or monitoring the attorney of record. This status report updates the last monthly status report previously submitted and consists of a summary of the record proceedings which have occurred in each of the pending cases since last month.

Three (3) matters of potential pending litigation are reported under “Other Litigation”. LRD vs. YComm, et. al. is a 1st report.

There are no analysis of the pending cases included, as the inclusion of such items might constitute a waiver of any attorney/client privilege that exists between our firm and the District. Therefore, if you would like to discuss the particulars of any specific case in more detail or would like to obtain more information concerning the strategy, status, or settlement posture of any of the individual cases, please feel free to contact me.

As always, we are available at any time to discuss any of these lawsuits with each individual Board Member by telephone or by conference, if there are any questions.

Respectfully submitted,

CURTIS L. SHENKMAN

CURTIS L. SHENKMAN

Attachment

OTHER LITIGATION

LRD -collection from Sonoma Isles HOA.

- Nov. 6, 2023** LRD Attorney Demand Letter to Sonoma Isles HOA
- Dec. 28, 2023** Letter from Attorney for DiVosta of Assignment to Sonoma Isles HOA
- Dec. 29, 2023** LRD Attorney Demand Letter to Sonoma Isles HOA & Attorney
- Feb. 1, 2024** LRD Attorney Demand Letter to Sonoma Isles HOA Attorney with evidence and documentation going back to 2006 to justify the \$88,180.38 Due to LRD.
- Feb. 28, 2024** LRD Attorney Demand Letter to Sonoma Isles HOA Attorney confirming Sonoma Isles HOA in settlement discussions with DiVosta Homes, LP, including the funds owed to LRD. Confirmation with Attorney for DiVosta Homes, LP.
- Mar. 15, 2024** LRD Attorney requiring and receiving written confirmation from both the attorneys for Sonoma Isles and for DiVosta Homes that the parties are engaging in meaningful legal settlement negotiations that include having the LRD paid for delinquent IQ water billings.
- May 10, 2024** LRD Attorney & Sonoma Isles Attorney settlement conference scheduled.
- May 24, 2024** Sonoma Isles Attorney letter with offer of settlement (unacceptable to Executive Director)
- June 28, 2024** Sonoma Isles NEW ATTORNEY settlement conference call with District attorneys, and email of District's legal documents that evidence the District's claim for delinquency, and suggest a potential settlement elements that Sonoma Isles must approve and submit for the District's consideration.
- 8-1-2024** Working with Dr. Arrington, prepare Settlement Agreement v1 with entire Delinquent Balance to be paid in accordance with Payment Plan + monthly payments kept current, and submit to Attorney for Sonoma Isles.

LRD- manhole & gravity main line re-routing by Coastal Property Concepts ("Coastal") real estate developer of new home under construction at 844 Oceanside Drive, Juno Beach, FL 33480.

- Oct 12 2022** LRD Attorney Legal Opinion existing Manhole & gravity main line installed by developer in 2005 serving the Oceanside project development permits a reasonably sized home to be designed and constructed in accordance with the District's Construction Standards.
- Oct 26 2023** LRD Attorney advising attorney for Coastal the home under construction is being built in violation of the District's Construction Standards, must be addressed by home improvements relocated/reconstructed or manhole and gravity main line re-routed so as not to be in violation of the District's Construction Standards.
- Oct 2023-Jan 2024** LRD Attorney & Coastal Attorney in communications for resolution.
- Jan 31 2024** Coastal letter to Town of Juno Beach requesting extension of Building Permit #21-9596 seeking extension of Permit expiring blaming delay on manhole alleged not located properly by the District and requesting February 28, 2024 Town Council meeting to address the extension.
- Feb 1 2024** LRD Deputy Director official letter providing response to Town of Juno Beach addressing the manhole and gravity main line facts and circumstances.

Feb 28 2024 Town of Juno Beach granted extension of Building Permit to June 1, 2024.

March 13, 2024 LRD Attorney communication to Attorney for Coastal of the representation made to Town of Juno Beach to get the extension by Coastal that Coastal is working with LRD to resolve the manhole issue.

March 27, 2024 Coastal Attorney confirmation in contact with Clark Cryer Engineer regarding preparing plans for new manholes to replace manhole in violation of District standards.

April 2024 Coastal Attorney email reporting Clark Cryer Engineer not communicating.

June 1, 2024 Building Permit expired with the Town of Juno Beach and not extended.

June 7, 2024 LRD response to Estoppel letter request sending copy of the Feb 1 2024 Deputy Director letter to the Town of Juno Beach addressing the manhole and gravity main line facts and circumstances.

July 2, 2024 LRD cooperates with Owner's request for Encroachments of Pool and Gas Line for Pool Heater into the Utility Easement, and reiterating the VIOLATION of the home built on top of the Manhole and Sewer transmission lines must be CURED in order for District to approve as condition prior to Town of Juno Beach issuing a Certificate of Occupancy for the home.

August 5, 2024 No Change in status. Owner's Building Permit expired.

LRD vs. YComm, IDD, NextCity, Enegiz. \$42,021.74 Damage to LS134-FM02

June 28, 2024 LRD Attorney Demand Letter to 6 defendants with Joint & Several liability demanding \$42,021.74 damage claim be paid to LRD.

July 22, 2024 Communications with YComm's attorney that YComm takes responsibility and put in a claim to IDD's insurance policy, and NextCity's attorney (a division of FPL) that will make sure LRD gets paid.

LIEN FORECLOSURES

NONE

MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS

NONE

Loxahatchee River Environmental Control District



Client Manager:

Sira Jockey Prinyavivatkul

sprinyavivatkul@baxterwoodman.com

Project Status Report Issued On: 8/1/2024

Project Title/Job	Project Description	Project Manager	Tasks Completed This Period	Milestones Next Period/ Due Date	Non-Scope Work	Action Items
Control Panel & Telemetry Installa PO 23-0164 Job Number: [0221297.00]	Design, permitting, bidding, and construction services for the improvements to 34 lift station control panels and associated miscellaneous improvements.	Rebecca Travis 561-425-7715 rtravis@baxterwoodman.com	04/30/24 - 100% Submittal 07/08/24 - LS 228 Site Visit with FPL	7/29/24 - District requested to hold project until June, 2025.		7/29/24 - District requested to hold project until June, 2025.
IQ511 Electrical and I&C Assessment (PO 24-0589) Job Number: [2326308.00]	Electrical and instrumentation & controls assessment of reclaim pump station IQ511.	Jockey Prinyavivatkul 561-425-7718 sprinyavivatkul@baxterwoodman.com	06/01/24 - 06/19/24 - Prepare DRAFT Electrical and I&C Assessment for review. 06/30/24 - Internal review of Submit DRAFT Electrical and I&C Assessment. 07/01/24 - Submitted DRAFT Electrical and I&C Assessment. 07/15/24 - Conducted DRAFT review meeting. 07/16/24 - Issued DRAFT review meeting minutes. Received response from District on questions presented by EDA. 07/29/24 - LRECD confirmed that FINAL Electrical and I&C Assessment will not include grounding test and will be performed by LRECD in the future. 07/30/24 - FINAL internal review. 07/31/24 - Submitted FINAL Electrical and I&C Assessment	Respond to any comments by LRECD on the FINAL Electrical and I&C Assessment.		LRD: 1. Provide any additional comments if necessary.
Headworks Facilities, Diversion Structure A and Diversion Structure B Rehabilitation (PO #24-0767) Job Number: [2400584.00]	Design and bidding services for the rehabilitation of the Headworks Facilities, Diversion Structure A, and Diversion Structure B located at the Wastewater Treatment Plant.	Adam Radi 815-444-4411 aradi@baxterwoodman.com	7/10/24 - 50% Design Meeting	8/29/24 - 90% Design submittals to the District 9/12/24 - 90% Design Meeting		LRD: 1. Confirm if plant shutdown needs to occur on any specific day(s) of the week. 2. Confirm preference on type of manual gate operators (i.e. hand wheel, hand crank, or square nut). 3. Provide latest version of Articles 1-10. B&W: 1. Prepare 90% plans, specifications, and EOPC.
Vacuum Truck Dump Pit Improvements (PO # 24-0827) Job Number: [2400812.00]	Development of a preliminary engineer's opinion of probable construction cost for the improvements to the existing vacuum truck dump pit at the Wastewater Treatment Plant.	Jockey Prinyavivatkul 561-425-7718 sprinyavivatkul@baxterwoodman.com	06/01/24 - Coordination commenced with Palm Beach County Building Department and Planning and Zoning. 06/10/24 - Structural and civil review of proposed improvements. Commence cost estimations. 07/12/24 - Internal review of DRAFT preliminary engineer's opinion of probable construction cost. 07/18/24 - Submitted of DRAFT preliminary engineer's opinion of probable construction cost.	08/16/24 - Conduct review meeting of DRAFT preliminary engineer's opinion of probable construction cost. 08/23/24 - Internal review of FINAL preliminary engineering's opinion of probable construction cost. 08/30/24 - Submittal of FINAL preliminary engineering's opinion of probable construction cost.		LRD: 1. Provide comments on DRAFT preliminary engineer's opinion of probable construction cost.
Clarifier No. 4 - Condition Assessment (PO # 24-0399) Job Number: [2325450.00]	Assessment and evaluation of the Clarifier No. 4 mechanical systems and structures and to develop construction cost estimates for items needing maintenance and repair. Clarifier No. 4 is located at the Wastewater Treatment Plant.	Brent Perz 815-444-4403 bperz@baxterwoodman.com	Project is Complete			
Anaerobic Selector Zone Pilot Test & Process Aeration System Energy Efficiency Evaluation (PO # 24-0380) Project Number: [2325824.00]	Assessment and Evaluation of an anaerobic selector zone and the activated sludge aeration system located at the Wastewater Treatment Plant.	Brent Perz 815-444-4403 bperz@baxterwoodman.com	7/29/24 - Initiated review of HRSD Minion large-bubble mixing	As applicable per Action Items		1. B&W: Respond to inquiry RE: HRSD Minion 2. B&W/LRD: Schedule a working meeting to begin updating implementation approach and schedule 3. LRD: Provide data requested for Aeration System Energy Efficiency Evaluation

**Loxahatchee River Environmental Control District
CMA Project Status Update
August 5, 2024**

1. 2500 Jupiter Park Drive Conceptual Site Planning

Activities Performed:

- Conducted kickoff meeting.
- Environmental field work was performed, report submitted, comments received from LRD, revised report submitted.
- Staff and Board survey were performed.
- Existing site base plan was prepared.
- A review of adjacent stormwater permits was performed.
- Site concept plans were prepared.
- Site visits and meeting with LRD were conducted to review survey results and concept plans.
- Presented survey results and concept plans to the Board.
- Submitted data request to LRD for massing study and received results. Provided LRD with initial space calculations.
- Reviewed WWTF capacity expansion goals with LRD. Submitted memorandum on the WWTF future space to LRD.
- Submitted draft Site Security memorandum, received comments from LRD, and submitted final memorandum.
- Draft massing concepts were presented to LRD at the meeting.
- LRD comments were incorporated, and a revised massing study was submitted.
- LRD provided comments on the revised massing study.
- Revised massing study submitted.
- Draft site plans submitted and comment received. Comment responses issued.
- Site planning memorandum drafted. Holding document submittal for confirmation on some of the key site plan concepts.
- Met with LRD staff to discuss comments and confirm concepts. CMA submitted additional information to follow up discussion at this meeting.
- Additional utility information provided by LRD.
- Site plans, massing study and site planning memorandum submitted.
- Comment responses provided to LRD.
- Meeting conducted to review comments.
- Sample revised site plans submitted to LRD for review of label/color schemes.
- Report and site plan resubmitted to LRD. Comments provided by LRD and conducted meeting to review comments.
- Final report and site plan revisions submitted.



HOLTZ CONSULTING ENGINEERS, INC.
270 South Central Boulevard, Suite 207, Jupiter, FL 33458 (561) 575 2005

MEMORANDUM

To: Kris Dean, PE, Deputy Executive Director, Loxahatchee River Environmental Control District
From: Christine Miranda, PE, Holtz Consulting Engineers, Inc.
Date: August 7, 2024
Subject: **Loxahatchee River Environmental Control District Monthly Status Report**

The following is a summary of work performed by Holtz Consulting Engineers, Inc. (HCE) on Loxahatchee River District projects through August 7, 2024. **Note: Any information that is historical or repeated from previous months are shown in italics. Otherwise, all information as shown below is newly reported information.**

Lift Station No. 082 Improvements

- The Contractor has completed the installation of the relocation of the Town of Jupiter water main to accommodate the new generator location for the lift station. HCE has met on site and has been coordinating with the Town and the Contractor regarding the abandonment of the existing water main. The Contractor has obtained approval on the proposed bypass for the lift station so that work on the wet well can commence. HCE continues to provide responses to Requests for Information (RFIs) provided by the Contractor.

Schedule Update:

The current contract completion date is August 12, 2024. The Contractor's most recent schedule provided reflects substantial completion occurring by October 9, 2024. We will continue to monitor construction activities and progress of the Contractor to determine whether a contract change order will be recommended to the District to extend the contract time.

Country Club Drive Force Main Transmission System Preliminary Evaluation

- *The District is currently reviewing the different methodologies that can be utilized for flow projections and will be providing feedback to HCE for finalization of the technical memorandum.*

Schedule Update: *Per the work authorization agreement, upon receipt of final information from the District on the draft memorandum, the final memorandum will be prepared and submitted within two weeks.*



Lift Station Telemetry Improvements

- HCE has coordinated with Revere to develop a plan for LS193 and worked with them to prepare a change order. HCE continues to provide documentation of installed RTUs. SCADA related coordination with the Contractor and the District continues. HCE participated in SCADA training including reviewing submittals. HCE and our electrical engineering subconsultant have completed preliminary punch lists of all installed RTUs and associated record keeping.

Schedule Update: *The current contract Substantial Completion date is September 30, 2024, and Final Completion date is December 4, 2024.*

Lift Station No. 050 Emergency Generator

- This project is currently advertised for bidding. The pre bid meeting was held on August 6, 2024. Bids are due on August 20, 2024. It is anticipated that a recommendation of award will be brought to the September 2024 board meeting.

Anaerobic Digestion and Biogas Utilization Study

- The District provided final review comments on July 30, 2024. All comments were addressed and provided to the District on August 2, 2024. This project is now complete.

Emergency Response ESRI Collection Tool & Synovia Vehicle Tracking Assistance

- *No new activities have occurred for this work.*

**Loxahatchee River Environmental Control District
9278 Indiantown Road/20 Acre Site
Phase I – Remediation
LRECD PO#23-804 / KCI 482021095.02**

**Progress Report
(% Complete is estimated due to new ERP
Dynamics 365 software accounting system
pending updating)**

To: Mr. Kris Dean, P.E., Deputy Executive Director/Director of Engineering
From: Robert Zuccaro, PE, Env SP KCI Sr. Project Manager
Date: August 6, 2024

ACTIVITIES

KCI Technologies progress report updates for the current billing period are:

Activities and Support:

- Task 1 - **Kick Off Meeting:** 100% Complete
- Task 2 - **Data Collection:** 100% Complete
- Task 3 - **Schematic Design Plan:** *100% Complete
- Task 4 - **Design Development Plan:** 100%
- Task 5 – **Meetings:** 47.5%
- Task 6 – **Construction Document Plans:** 93% Complete
- Task 7 – **Final Bid Documents:** 54%
- Task 8 – **Bid Assistance:** 0%
- Task 9 – **Project Schedule and Monthly Reports:** 100%
- Task 10 – **Site Plan:** *80%
- Task 11 – **Site Plan -Building Permit Processing:** *65.5%
- Task 12 – **Traffic Statement &Access Management** *90%

*Note that Tasks 3, 10, 11 and 12 have increased scope and fee due to supplemental work order for amenities added per approved grant funds (Amendment No.1-3)

August 1, 2024

Re: ***R24039/AC FORCE MAIN REPLACEMENT
A1A FROM JUPITER BEACH ROAD TO INDIANTOWN ROAD
Project Update***

1. For July 2024, the following was completed.

- Coordination with PBC for current round-about and drainage construction occurring within our area of work.
- Held a Team's meeting (7/24) with LRD to review PBC's current construction activities and possible force main route.
- Onsite (7/25) to walk project to see where our force main could go based on discussions held on 7/24 with LRD.
- Held a meeting at LRD's offices (7/29) to review PBC work and where our force main route could be.
- Held on-site meeting (7/31) with our soft dig sub-consultant (InfraMap) to review test hole locations.

2. For August 2024, we will be doing the following.

- Will be on-site (8/5) with InfraMap to perform test holes.
- Re-configure our 30% design plans to align with PVC/AC pipe locations and force main alignment.
- Conduct 30% design meeting to present findings and recommended force main route.
- Proceed with 60% design plans upon resolution of 30% design.

KIMLEY-HORN AND ASSOCIATES, INC.


Thomas C. Jensen, P.E.
Sr Project Manager



August 1, 2024

Re: **County Line Road Reclaimed Water Main Relocation/R23007 Project Update**

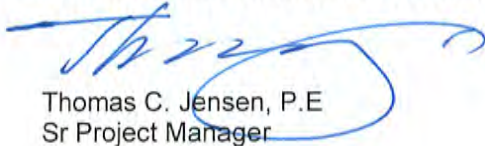
1. For July 2024, the following was completed.

- Continued discussion with ACOE and provide additional information.
- Received ACOE permit on July 26th
- Discussed next steps with Kris as to bidding the project.

2. For August 2024, we will be doing the following.

- Re-check bid documents and send over to LRD for final review.
- Discuss possibility for a joint meeting with LRD/Tequesta concerning bidding/construction by one organization under a Joint Project Agreement.

KIMLEY-HORN AND ASSOCIATES, INC.



Thomas C. Jensen, P.E.
Sr Project Manager



Director's Report

- Admin. & Fiscal Report attach. #1
- Engineering Report attach. #2
- Operations Report attach. #3
- Information Services Report attach. #4
- Environmental Education attach. #5
- Safety Report attach. #6
- Other Matters (as needed) attach. #7





LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: Governing Board
 From: Kara Fraraccio, Director of Finance and Administration
 Date: August 9, 2024
 Subject: Monthly Financial Report

Cash and Investments Balance

Balance as of July 31, 2024

Institution	Rate	Book Value	Monthly Change in Investment	Market Value
U.S. Treasuries:				
U.S. Treasuries - Due 08/01/24	5.38%	\$ 1,505,023	\$ 6,669	\$ 1,524,781
U.S. Treasuries - Due 09/26/24	5.31%	7,905,622	35,985	8,043,579
U.S. Treasuries - Due 10/03/24	5.34%	4,192,880	18,631	4,211,511
U.S. Treasuries - Due 12/31/24	4.25%	4,043,497	5,935	4,050,391
Subtotal		\$ 17,647,022	\$ 67,220	\$ 17,830,262
Investment Accounts:				
Florida Prime - SBA	5.49%		\$ 39,447	\$ 7,964,757
Florida FIT - Preferred Cash Pool	5.28%		30,712	6,898,287
Bank United - Public Funds Reserve	4.88%		8,960	2,172,310
Subtotal			\$ 79,119	\$ 17,035,354
Cash Account:				
Truist-Hybrid Business Account	3.30%		\$ 15,583	\$ 6,567,262
Schwab Sweep Account	0.45%		105	4,867
Subtotal			\$ 15,688	\$ 6,572,129
Total			\$ 162,027	\$ 41,437,745

Investment Policy Compliance

Performance Measurements

Average weighted rate of return on investments is: 4.90%. As of 07/31/24, 3-month U.S. Treasuries were 5.41% and the 1-month Federal Fund Rate was 5.33%. The District's average weighted rate of return on investment of 4.90% is lower than our benchmark because we have \$6.5 million in our business checking account, which earns just over 3%.

Stephen B. Rockoff
CHAIRMAN

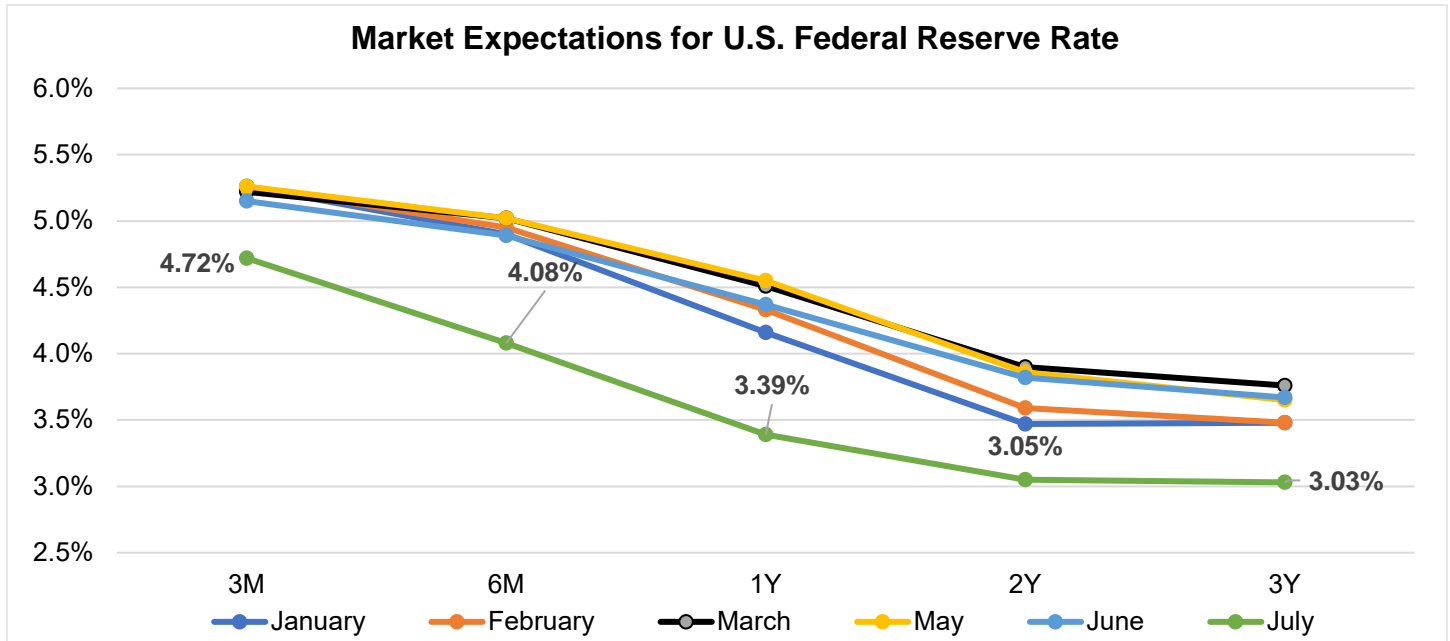
Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

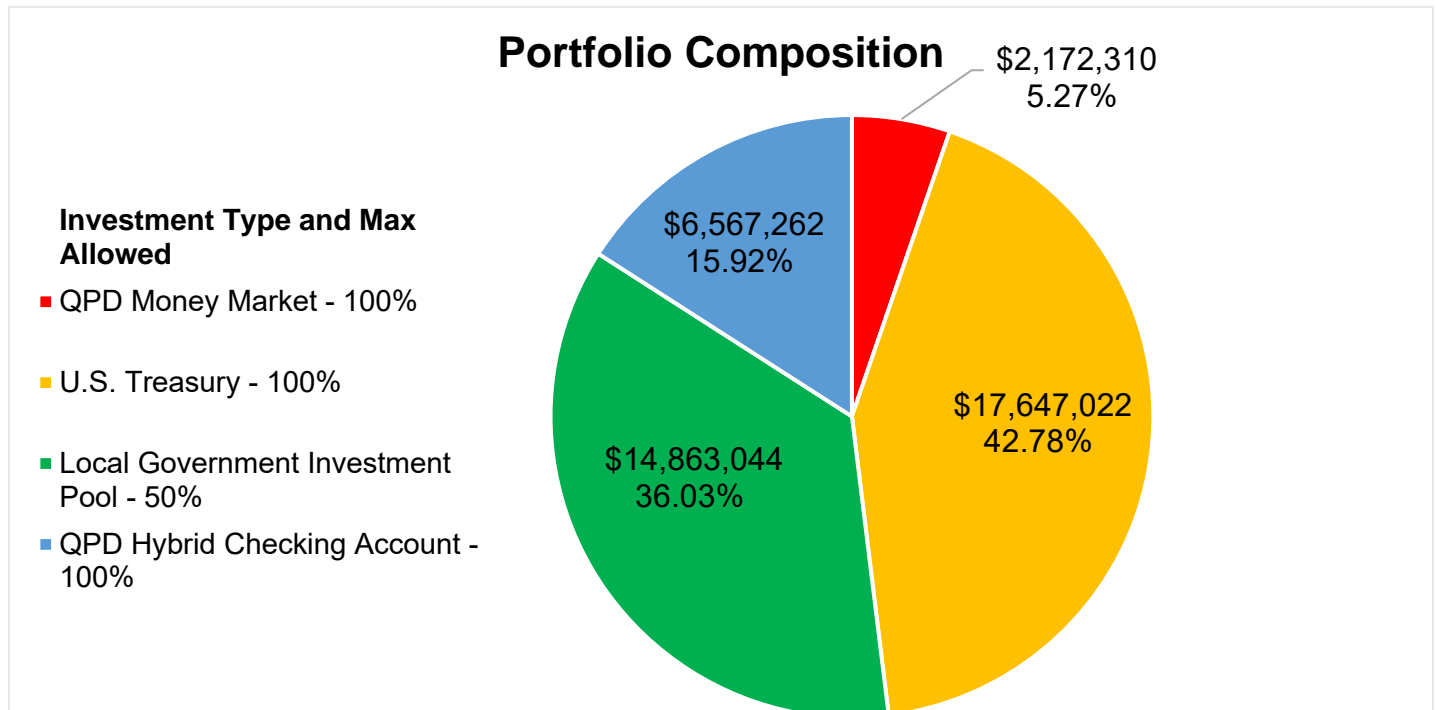
At this time staff believes it is still best to invest in short term maturities as short-term rates are higher than long term rates (e.g. the August 6th, 3-Month treasury rate of 5.34% vs. the 2-Year rate of 3.99%). This inverted yield curve is shown in the chart below. We will continue to monitor the yield curve and evaluate our options during this abnormal market.



*Data as of July 31, 2024.

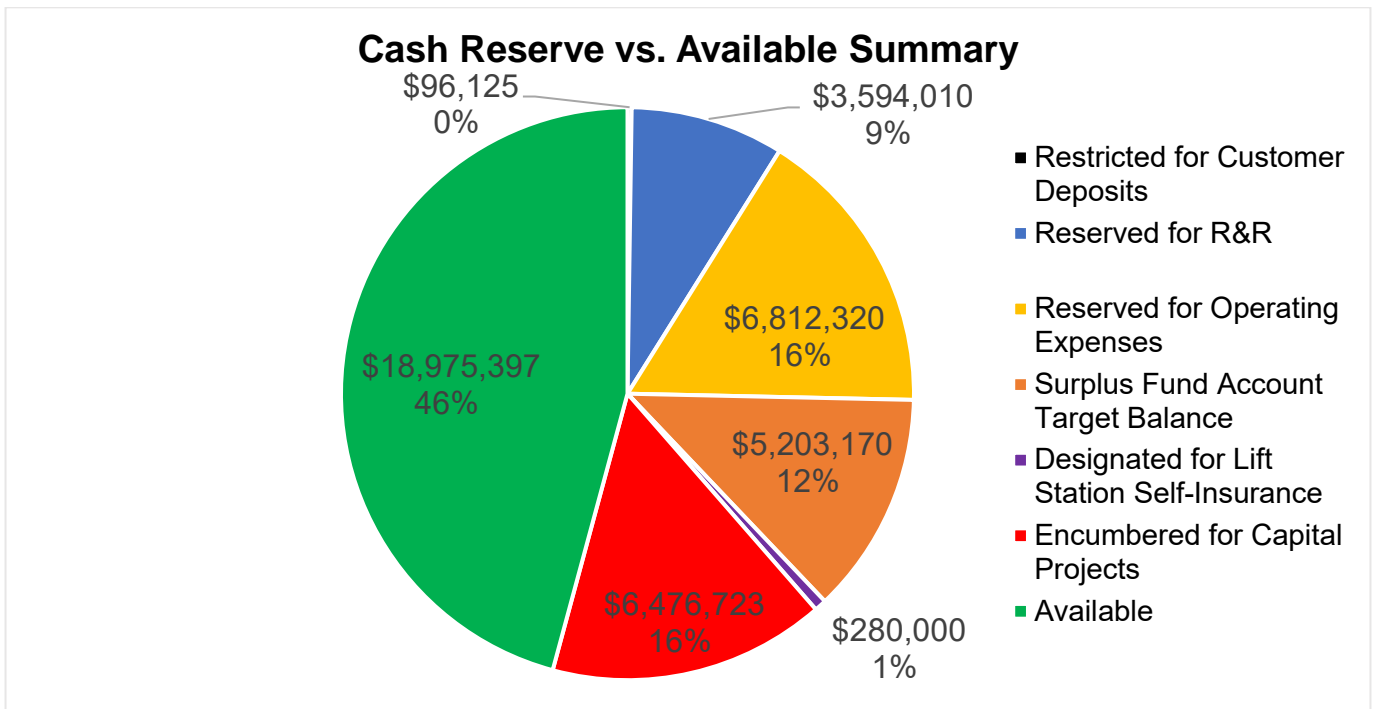
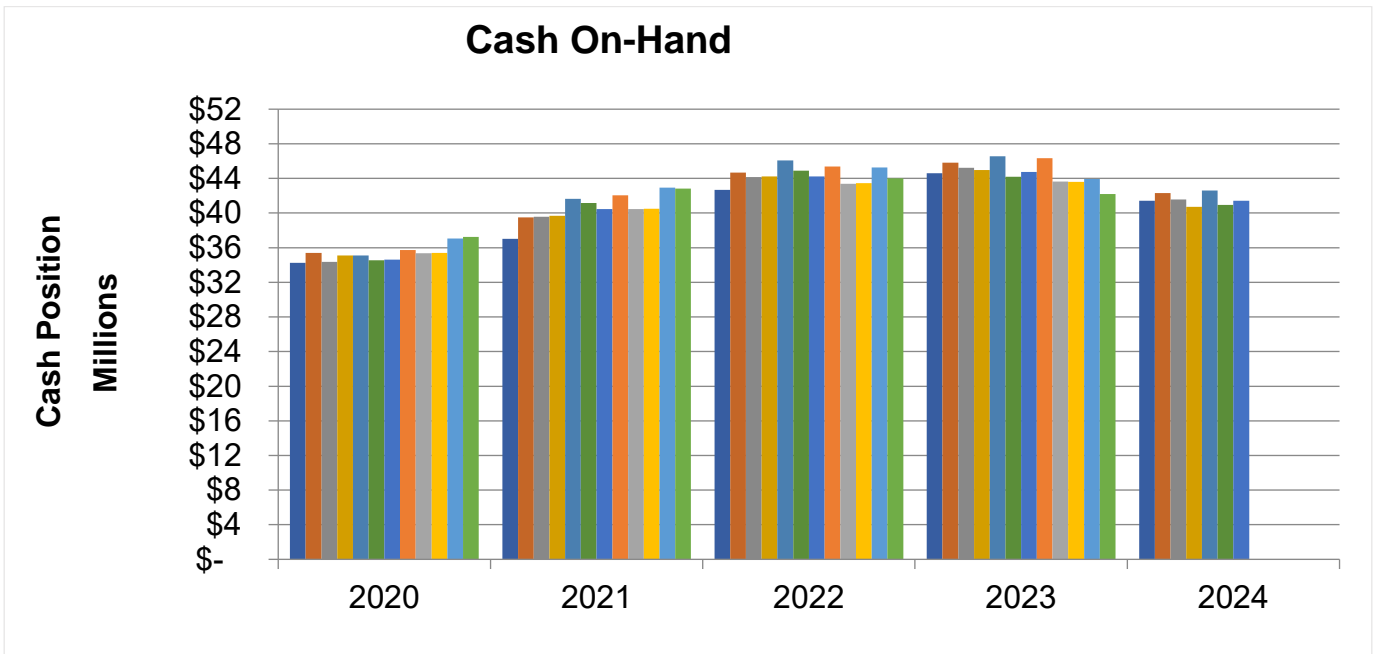
Portfolio Composition

The percentage allocation for investment types is presented below. The percentage allocation requirement for investment types is calculated based on the market value at the time of purchase. All investments percentages are in compliance with the District’s Investment Policy.



Cash Position

Cash position for July 2023 was \$44,736,939. Current Cash position is down by \$3,299,194.



Financial Information

- Legal fees billed in July were \$16,653. The fiscal year-to-date total is \$70,243.
- Estoppel fees collected in July totaled \$6,090. The fiscal year-to-date total is \$56,285.
- There was no septage billing in July.
- Developer’s Agreement – There was one new Developer’s Agreements in July.
- I.Q. Water Agreements – Sonoma Isles is past due for 15 months (May 2023-July 2024); Riverbend is past due for July.

Summary of Budget vs. Actual

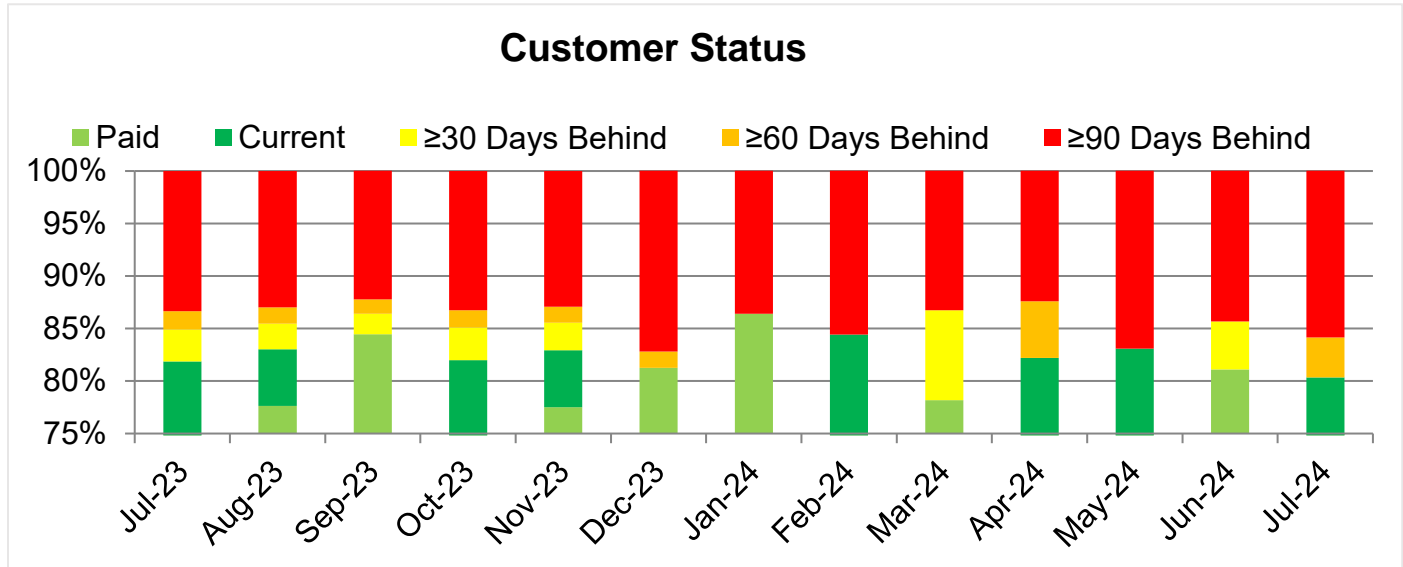
Budget Benchmark
83.33%

	Jul-24 Actual	YTD Actual	FY 24 Budget	Favorable (Unfavorable)	Budget Expended	Jul-23 YTD
Revenues						
Operating Revenues						
Regional Sewer Service	\$ 1,557,812	\$ 15,579,190	\$18,528,000	\$ (2,948,810)	84.08%	\$14,949,151
Standby Sewer Service	10,712	101,274	79,000	22,274	128.19%	94,057
IQ Water Charges	207,804	2,008,462	2,417,000	(408,538)	83.10%	1,962,150
Admin. and Engineering Fees	2,288	38,313	80,000	(41,687)	47.89%	64,308
Other Revenue	90,032	551,957	511,285	40,672	107.95%	459,885
Subtotal Operating Revenues	1,868,648	18,279,196	21,615,285	(3,336,089)	84.57%	17,529,551
Capital Revenues						
Assessments	\$ 19,722	\$ 1,120,868	1,082,000	38,868	103.59%	1,242,912
Line Charges	17,525	267,770	450,000	(182,230)	59.50%	421,286
Plant Charges	76,429	372,125	700,000	(327,875)	53.16%	629,027
Capital Contributions			250,000	(250,000)	0.00%	959,625
Subtotal Capital Revenues	113,676	1,760,763	2,482,000	(721,237)	70.94%	3,252,850
Other Revenues						
Grants		27,200	100,000	(72,800)		5,126
Interest Income	289,922	2,249,601	1,847,400	402,201	121.77%	1,774,310
Subtotal Other Revenues	289,922	2,276,801	1,947,400	329,401	116.91%	1,779,436
Total Revenues	\$ 2,272,246	\$ 22,316,760	\$ 26,044,685	\$ (3,727,925)	85.69%	\$ 22,561,837
Expenses						
Salaries and Wages	\$ 575,557	\$ 5,987,111	\$7,863,800	\$ 1,876,689	76.14%	\$5,653,532
Payroll Taxes	42,237	433,428	559,200	125,772	77.51%	408,395
Retirement Contributions	84,293	905,321	1,204,100	298,779	75.19%	820,418
Employee Health Insurance	130,896	1,306,055	1,995,200	689,145	65.46%	1,351,267
Workers Compensation Insurance		64,135	75,800	11,665	84.61%	65,588
General Insurance		492,629	499,730	7,101	98.58%	442,635
Supplies and Expenses	74,536	910,370	1,243,362	332,992	73.22%	921,542
Utilities	125,695	1,338,360	1,860,071	521,711	71.95%	1,380,105
Chemicals	36,801	421,314	519,000	97,686	81.18%	501,284
Repairs and Maintenance	266,946	1,945,380	2,088,909	143,529	93.13%	1,491,151
Outside Services	122,049	1,747,452	2,302,800	555,348	75.88%	1,636,221
Contingency			225,000	225,000	0.00%	
Subtotal Operating Expenses	1,459,010	15,551,555	20,436,972	4,885,417	76.10%	14,672,138
Capital						
Capital Improvements	\$ 739,831	\$ 7,845,322	12,697,473	4,852,151	61.79%	5,815,535
Subtotal Capital	739,831	7,845,322	12,697,473	4,852,151	61.79%	5,815,535
Total Expenses	\$ 2,198,841	\$ 23,396,877	\$ 33,134,445	\$ 9,737,568	70.61%	\$ 20,487,673
Excess Revenues						
Over (Under) Expenses	\$ 73,405	\$ (1,080,117)	\$ (7,089,760)	\$ 6,009,643		\$ 2,074,164

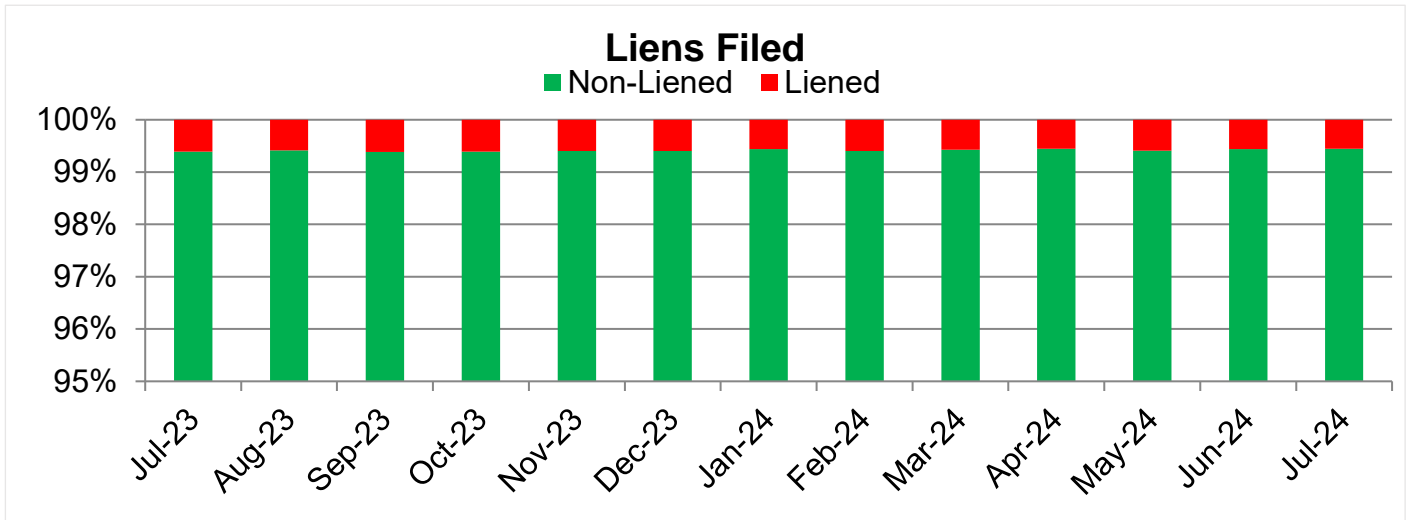
Total Capital expenses incurred and encumbered totalled \$13,418,774 or 105.68% of the capital budget. This includes funds encumbered in a prior fiscal year for projects that stretch across multiple fiscal years.

Accounts Receivable

The District’s third quarter billing was \$4,673,436, of this amount \$3,754,693 represents customer balances that are either paid or current. The chart below illustrates customers’ receivable status as a percentage of quarterly sewer billing. Paid or current balances represent approximately 80.0% billing.



The District serves approximately 33,437 customers. Currently, the District has 185 liens filed which represent approximately 1.0% of our customers.



Pending/Threatened Litigation

- No pending or threatened litigation.

Auditor Update

The District’s current auditors, Marcum LLP, have informed us that they are being acquired by CBIZ, Inc., the country’s 11th largest business advisory and CPA firm. This strategic acquisition presents an opportunity for CBIZ and Marcum to bring together the best talent in the industry to offer clients an exceptional breadth of services and depth of expertise. Together, they will become the seventh largest accounting and advisory services provider in the nation. As a CBIZ client, we should expect to see very little change. We will continue to work with the same professionals, however, we will have access to a larger pool of professionals, if necessary.



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: D. Albrey Arrington, Ph.D., Executive Director

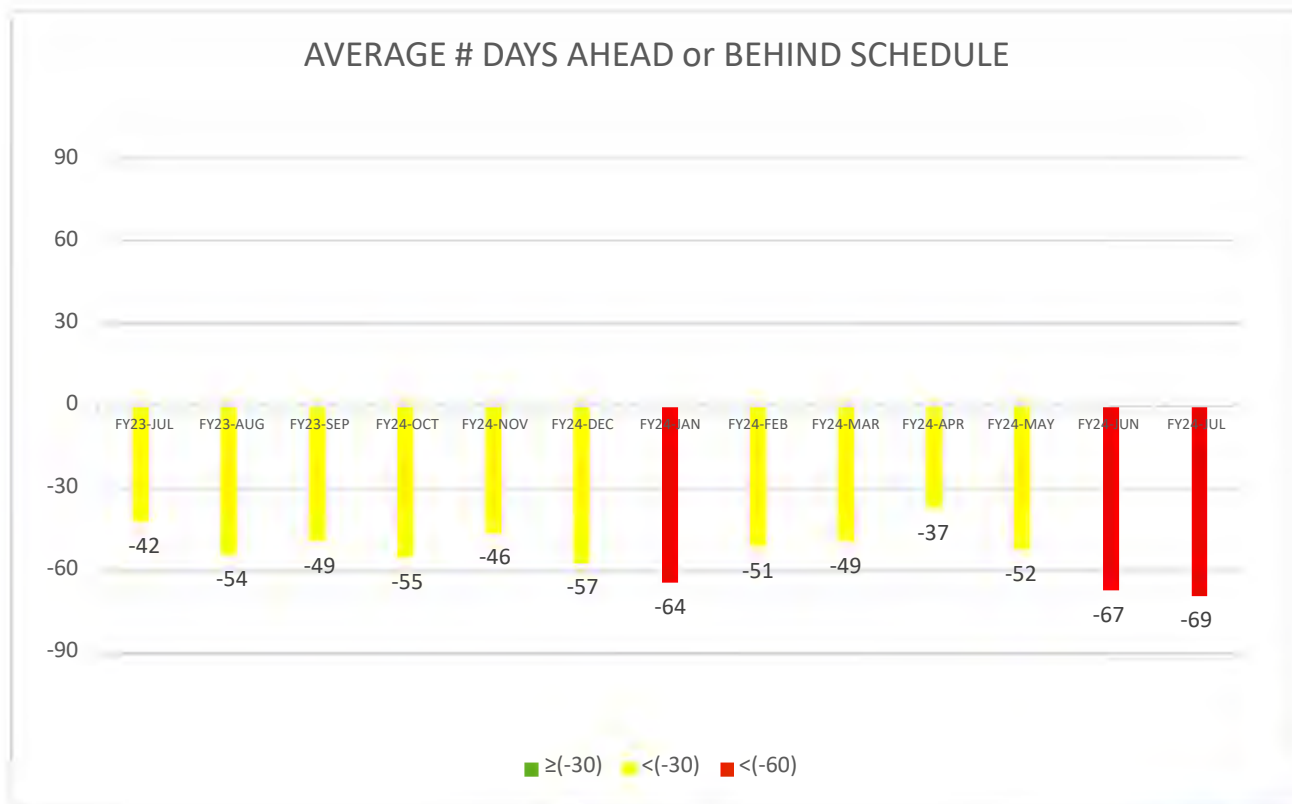
FROM: Kris Dean, P.E., Deputy Executive Director
Courtney Jones, P.E., Director of Engineering

DATE: August 7, 2024

SUBJECT: Capital Program and Engineering Services Report

Capital Projects

Capital Schedule (FLOAT = -69 Days)



Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Notable delays to the Capital Program are listed below.

R##### (Various projects) – Lining Program – While the majority of work has been completed, outstanding issues requiring contractor correction or District action need to be resolved. Staff are working with the contractor for resolution.

N21003 – Lift Station Telemetry – Coordinating field setup and start up have resulted in schedule slippage. Staff anticipate processing a time extension once final procedures are in place.

N23004 – Lift Station 050 Emergency Generator – Design and permitting are complete. Bidding and Award are scheduled for completion in September 2024.

R19011 – Lift Station 082 Conversion – The contractor has mobilized and is scheduled for completion in October 2024. Schedule recovery is not anticipated.

R23004 – Biosolids Processing Evaluation – The FINAL submittal was received in early June 2024. Staff are coordinating final comments and closeout.

R23010 – WWTP Electrical Systems Upgrades – Phase 1 – Staff are working bidding documents. Award is currently scheduled for September 2024 but will likely be pushed again to October 2024.

R24009 – Anaerobic Selector Zone Pilot Testing and Aerbay Process Aeration System Study – Staff are working with the consultant on revisions to the pilot testing plan. Staff anticipate a revised plan being developed by the end of August 2024 and the project progressing from there.

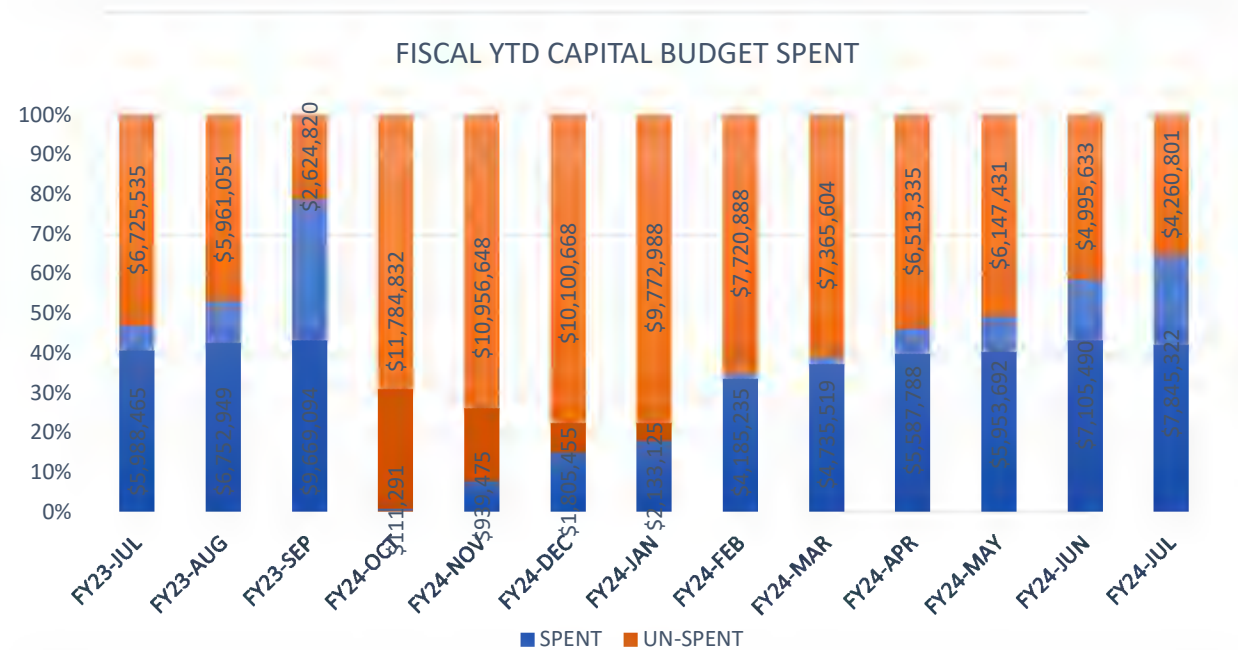
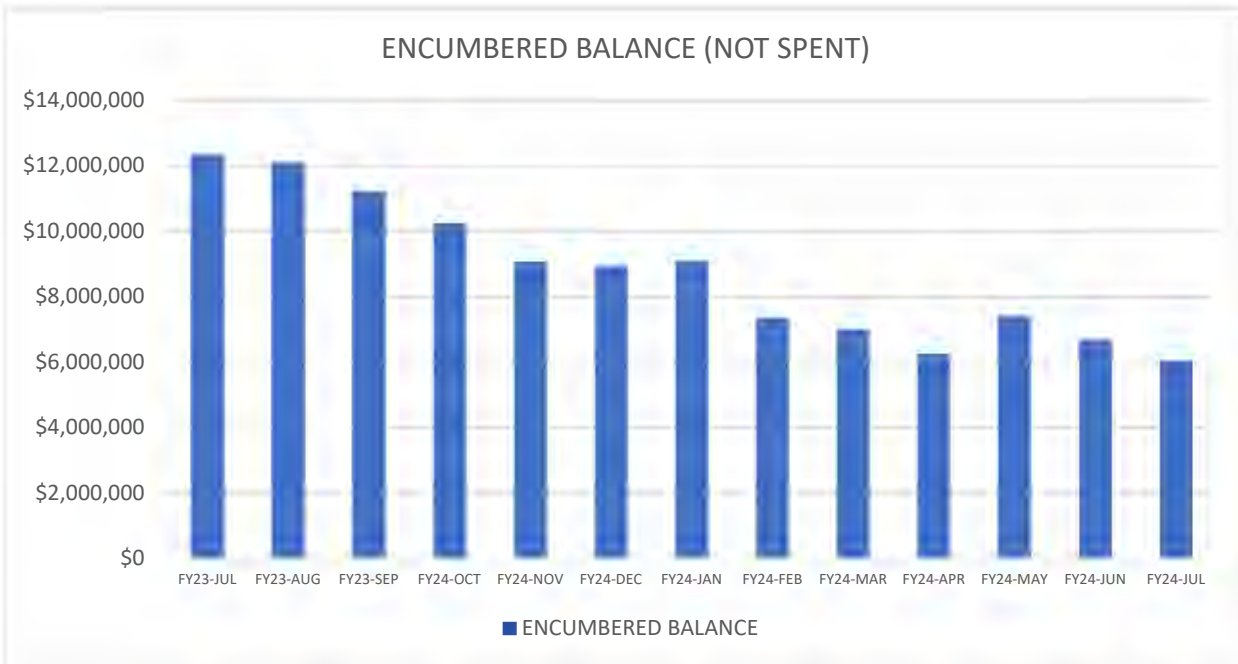
R24011 – IQ518 Pump Rebuilds – The manufacturer is waiting on parts. Completion is currently scheduled for October 2024.

Construction delays have the largest impact to the negative float (65% from 14 projects total). Staff are working with consultants and contractors to close out punchlist items and implement recovery schedules.

The overall negative (-) float is attributed to the following causes:

Construction Delays:	65%
Supply Chain Issues:	5%
Design/Permit/Bid:	18%
Late Start:	0%
Planning Contracts:	12%

Capital Budget



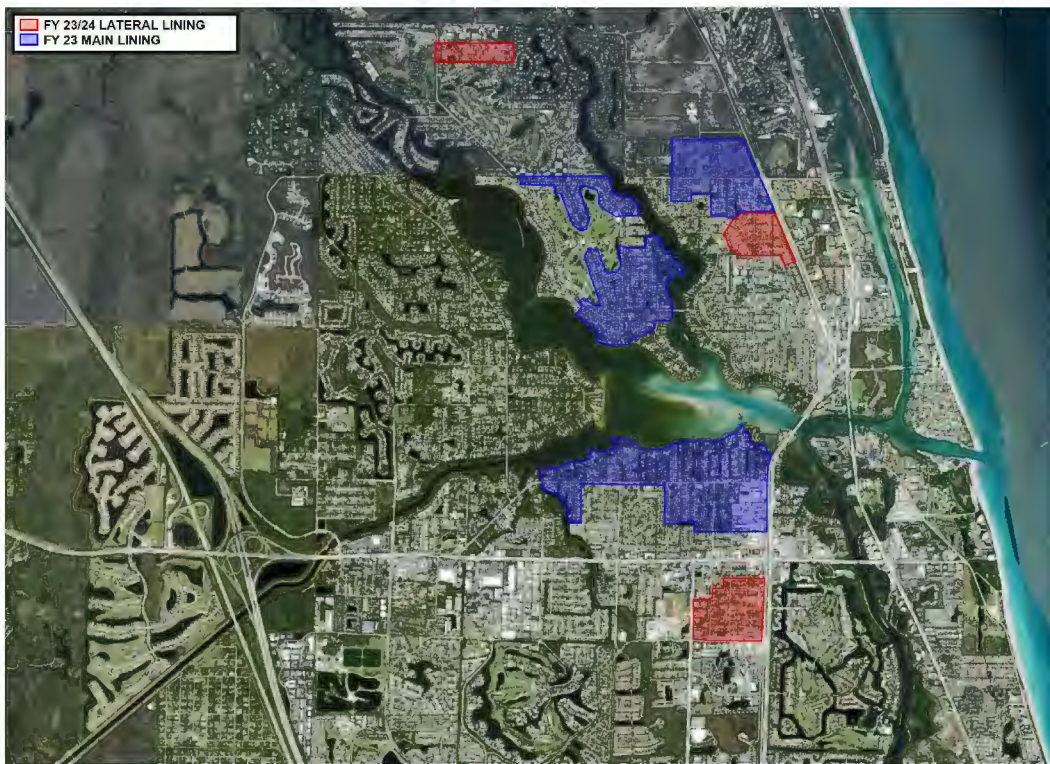
Project Updates

Science Center and Jupiter Inlet Lighthouse Outstanding Natural Area (aka: BLM House Renovations): Staff are evaluating alternate renovation approaches in-house based on revised layouts that have been coordinated with the River Center. Additionally, River Center staff are working on minimal site facilities to allow baseline programming to occur on the site. Facilities include a chickee hut and storage building, both of which are funded by a grant from the Bureau of Land Management.

20 Acres/9278 Indiantown Road: The Board approved the DEP Grant Agreement for the LRPI funding to construct parking facilities, a chickee hut, and nature trails on the 20 acres site. The consultant is working on the revisions and coordinating with PBC Planning and Zoning for concurrency.

In-house Projects

Gravity System Rehabilitation – Cleaning, TV Inspection and Lining:



Main lining work is complete in LS018, LS041, and LS054 systems.

The Board awarded lateral lining contracts for LS018, LS041 and LS054 in November 2022. A preconstruction meeting was held on January 11, 2023. The Contractor is currently working on lateral lining in all 3 systems.

The Board also awarded main lining contracts for LS050 in November 2022 and LS070 and LS071 in December 2022. Work commenced in January 2023. Main lining work in LS050 is completed. Main lining work in LS070 and LS071 is substantially complete and project is in punchlist/closeout with 1 remaining punchlist item to be completed in August 2024.

In April 2023, the Board awarded a main lining contract for LS011, LS012, LS014, LS027 and LS190 collection systems. Contractor began cleaning and CCTV work in these systems in August 2023 and has started lining in these systems as of September 2023. Project is substantially complete with punchlist items remaining to reach final completion.

In November 2023, the Board awarded a lateral lining contract, which is planned to cover a portion of the LS050 system laterals. Pre-construction meeting was held on December 7, 2023. Construction commenced in March 2024. In May 2024, the Board re-authorized this PO for Phase 2 of this project. Construction in progress. Refer to Tab 5-D for re-authorization for Phase 3 of this project.

Staff utilized a piggyback contract mechanism to contract for select main lining work identified by field inspections.

Pre-construction meeting held for CIPP lining of six (6) gravity mains (LS001-GL057, LS001-GL160, LS063-GL016, LS063-GL017, LS041-GL015, LS041-GL027) on September 29, 2023. Project is in closeout.

Contractor General Services Work:

Lift Station Rehabilitations General Construction Services:

Lift Station	Inspection	Design	Procurement	Construction
230	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
148	COMPLETE	COMPLETE	IN-PROCESS	-----
152	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
169	COMPLETE	IN-PROCESS	-----	-----
081	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
167	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
072	COMPLETE	IN-PROCESS	-----	-----
177	COMPLETE	COMPLETE	IN-PROCESS	-----
LP1260	COMPLETE	COMPLETE	IN-PROCESS	
039	COMPLETE	IN-PROCESS	-----	-----

Collections System / Operations Rehabilitation:

Staff utilized general services contracts (24-001-00131 WW / IQ General Construction Services, 22-005-0115 General Services – Electrician Services, and 24-006-00136 – General Electrician Services) to contract for the following collection system rehabilitation projects.

Pre-construction meeting for this work was held on September 8, 2023. The projects that are under construction / not yet completed are as follows:

- LS051 – Replace disconnect– Work awaiting issuance of PBC permit.

Pre-construction meeting was held on November 16, 2023. The projects that are under construction / not yet completed are as follows:

- Ground Rod Installation - LS002, LS005, LS013, LS059, LS070, LS073, LS106, LS136, LS145, LS146, LS147, LS179, LS193, LS199, LS231 – Construction in progress.

Pre-construction meeting scheduled for August 8, 2024 for the following projects:

- LS066 meter can replacement
- LS300 electrical service repair
- ABS03 breaker panel replacement
- LS089 disconnect replacement
- LS088 electrical conduit and strut replacement
- LP0402 disconnect replacement
- LS070-MH001 & LS231-MH002 drop bowl installations

Neighborhood Sewering/Remnant Properties:

109-111 Old Jupiter Beach Road: Re-design per the homeowner's request / easement provided for 109-111 Old Jupiter Beach Road is in progress. The project includes two services and low-pressure force main to be installed in existing roadway ingress/egress easement. Homeowners were provided information on 9/22/21 and 7/13/22. Homeowner at 109 Old Jupiter Beach Road has entered into an agreement, paid connection charges, and provided easement for preferred location of sewer facilities. Updated design drawings are complete. Design is complete and permits are in place. Project is in closeout.

SE Indian Hills Drive: Staff held a neighborhood sewerage with the property owners and representatives of the POA on March 5, 2024 where 3 design alternatives were presented. The property owners requested a 4th design alternative which was provided on March 21, 2024. All property owners have provided the required easements and selected to proceed with Option 4. Project is currently in permitting.

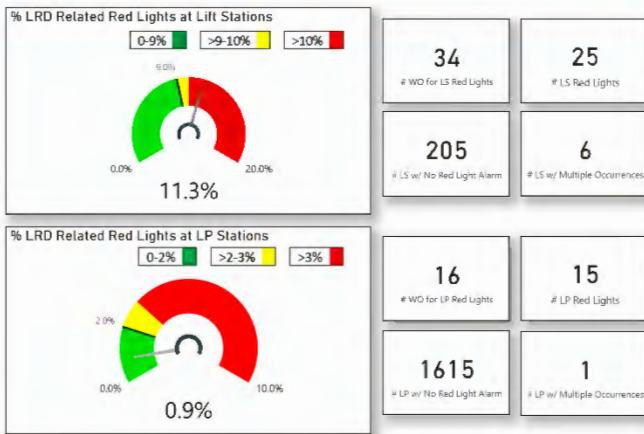
2966 Jamaica Drive: The project includes extension of existing low-pressure force main with 1 service to be installed in existing roadway ingress/egress easement. Design and permitting are complete. Refer to Tab 5-B for Notice of Intent.

Other: Staff are working with IT and customer service to confirm remnant sewerage and update priority listing based on property access rights.

COLLECTIONS AND REUSE

Lift Station Red Lights: This month the system experienced 40 total red lights. 25 lift station red lights (with 6 stations experiencing multiple red light events) and 15 low pressure red lights (with 1 station experiencing multiple red light events).

Red Light Emergency Call Work Orders Dashboard July 2024

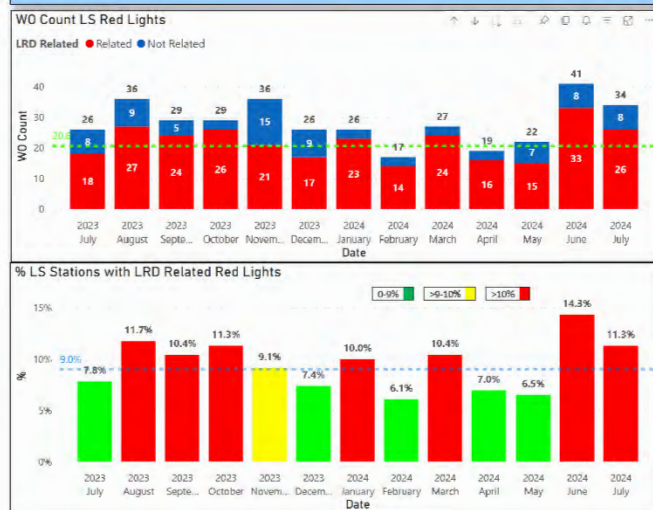


Red Light Emergency Call Work Orders Dashboard May 2024 through July 2024

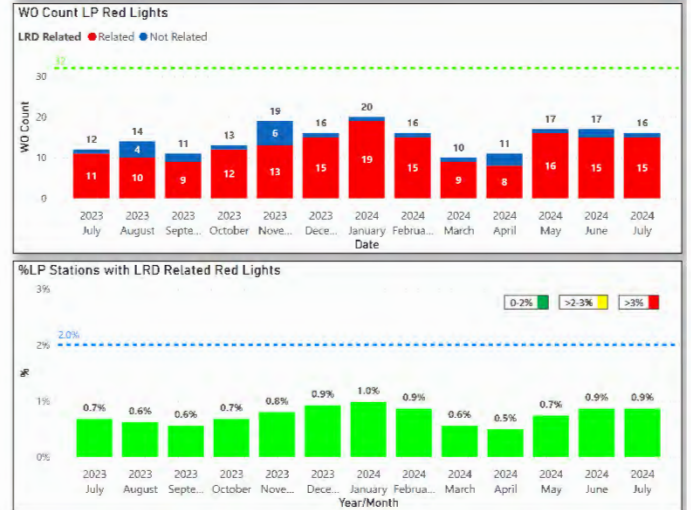


Work Order counts due to red lights exclude red lights due to FP&L power failure since staff have no mechanism to impact FP&L performance during inclement weather or other power outages. Staff continue to include FP&L power outages in the 3-month rolling average for repeat stations and work order counts to facilitate FPL coordination on problem areas and potential use of portable standby power to ensure continuity of service.

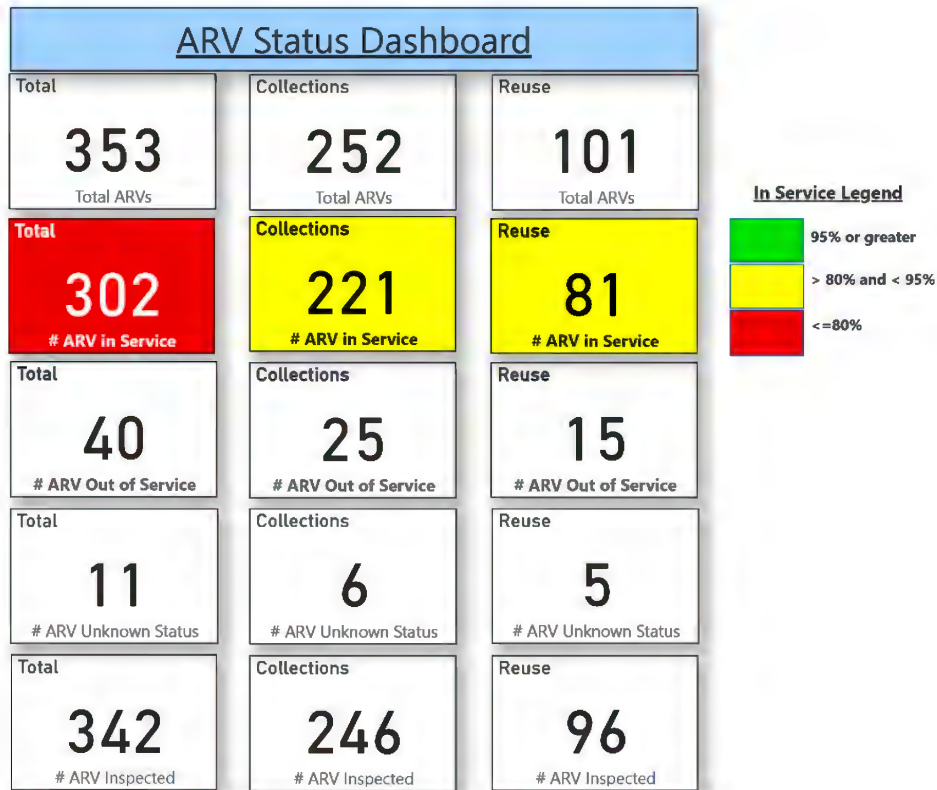
Red Light Emergency Call Work Order Lift Station: Trend 7/1/2023 through 7/31/2024



Emergency Call Work Order Low Pressure: Trend 7/1/2023 through 7/31/2024



Air Release Valves (ARV):



Wet Well Cleaning:



UNAUTHORIZED DISCHARGES (fka SANITARY SEWER OVERFLOWS)

There were 5 unauthorized discharges in the collection-transmission-distribution system this month.

- 01 LP0611-WW 10 gal no power N US Highway 1 07-03-20214
- 02 LP0926-LPSP1 100 gal contractor damaged PVC pipe SE Federal Highway 07-08-2024
- 03 LS071-CO109 5 gal blocked gravity service Country Club Drive 07-09-2024
- 04 LP0665-V4 30 gal failed PVC service valve SE River Ter 07-25-2024
- 05 LP0525-V1 5 gal failed PVC check valve Harbor Road S 07-26-2024

Unauthorized Discharge FIELD : KPI

Field Sewage Unauthorized Discharge by Month			
Date	Occurrences	Total Gallons	Impacting Surface Waters
July 2023	0	0	0
August 2023	1	10	0
September 2023	4	441	0
October 2023	4	101	0
November 2023	6	1,702	1
December 2023	3	45	0
January 2024	2	25	0
February 2024	5	2,405	1
March 2024	3	70	0
April 2024	1	2,858	0
May 2024	2	30	0
June 2024	1	20	0
July 2024	5	150	0
Total	37	7,857	2

Field IQ Unauthorized Discharge by Month			
Date	Occurrences	Total Gallons	Impacting Surface Waters
July 2023	1	0	0
August 2023	0	0	0
September 2023	0	0	0
October 2023	1	20	0
November 2023	0	0	0
December 2023	2	220	0
January 2024	0	0	0
February 2024	1	900	1
March 2024	0	0	0
April 2024	0	0	0
May 2024	1	1	0
June 2024	1	238	0
July 2024	0	0	0
Total	7	1,379	1

Conditional Formatting
 Green: Total Gallons <= 704 AND Impacting Surface Waters = 0
 Yellow: Total Gallons <= 1500 AND Impacting Surface Waters > 0
 Red: Total Gallons > 1500 OR Impacting Surface Waters >= 1



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director
FROM: Jason A. Pugsley, P.E., Operations – Plant Manager
DATE: August 10, 2024
SUBJECT: July 2024 Operations Department Monthly Report

Treatment Plant Division / Maintenance Department

Overall, the month of July was productive with all monthly reports prepared and submitted on time. There were no permit exceedances this month. The treatment plant generally operated efficiently and met all treatment objectives. This month flows to the District's wastewater treatment plant were on the same order of magnitude as the flows recorded during the month of June. The plant did not experience any unauthorized discharges for the month of July.



Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

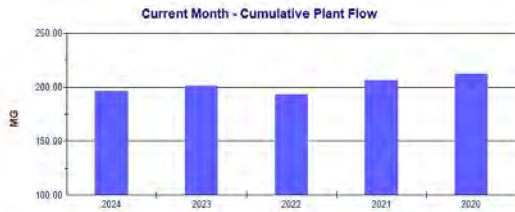
Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

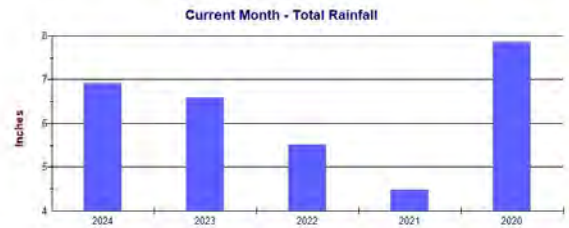
Clinton R. Yerkes
BOARD MEMBER

Water Reclamation – Environmental Education – River Restoration

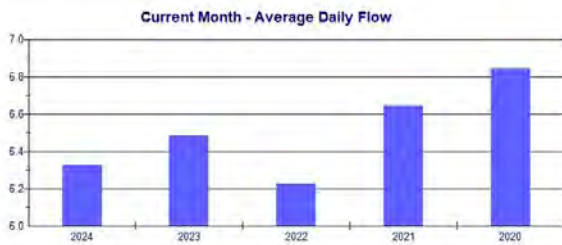
Graphical summaries of the plant flows and rainfall during the month of July, including comparisons with plant flows during the previous month (i.e., June 2024), are presented below.



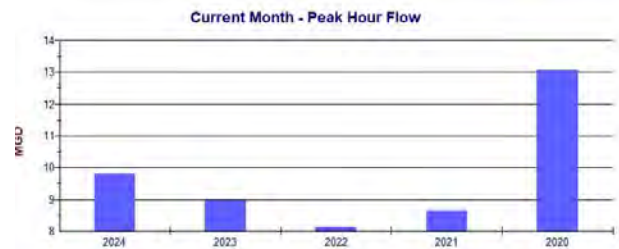
The Cumulative Influent Flow to the plant for the month of July was 196.09 million gallons. This is slightly greater than the June flow of 192.91 million gallons.



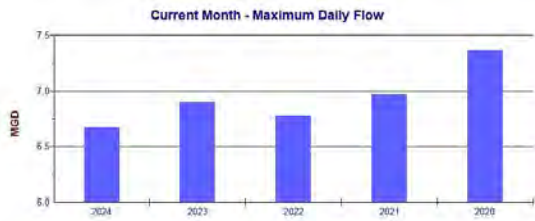
6.92 inches of total rainfall was recorded at the plant site during the month of July. This is less than the June rainfall recorded of 11.69 inches.



The Average Daily Flow (ADF) for the month of July was recorded at 6.33 MGD compared to 6.43 MGD during the month of June and 6.48 MGD during July 2023.

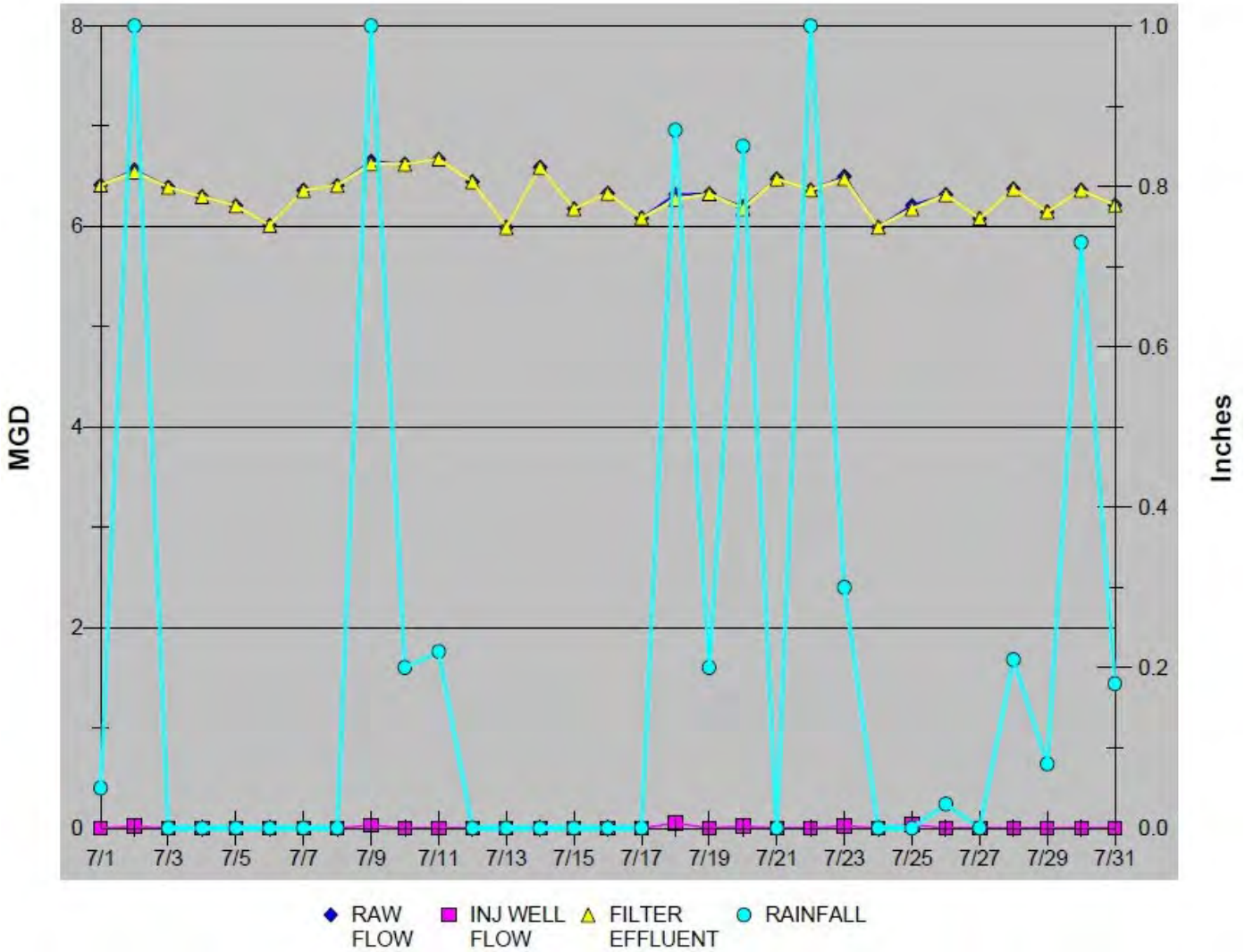


The Peak Hour Flow (PHF) for July was 6,813 GPM which equates to an equivalent daily rate of 9.81 MGD. This is within the same order of magnitude as the PHF for June of 6,500 GPM (9.36 MGD).



The Maximum Daily Flow (MDF) in July was 6.67 MGD. This is less than the MDF for June of 7.47 MGD.

For the month of July, 99.91% or 195.92 MG of the cumulative influent flow to the plant was sent to the IQ storage system where it was distributed, as needed, to the various golf courses and the Abacoa development sites. A total of 0.18 MG of blended effluent was diverted to the deep injection well for disposal. The plant delivered a total of approximately 225.04 million gallons of IQ water to the reuse customers during the month of July.



Year to date (i.e., Calendar Year 2024), approximately 82.37% of all influent flow to the plant was treated and available for reuse as IQ water. The total volume of IQ water distributed to reuse customers, year to date, is 1,383.61 million gallons.

All monthly reporting was submitted on time.

Treatment Plant:

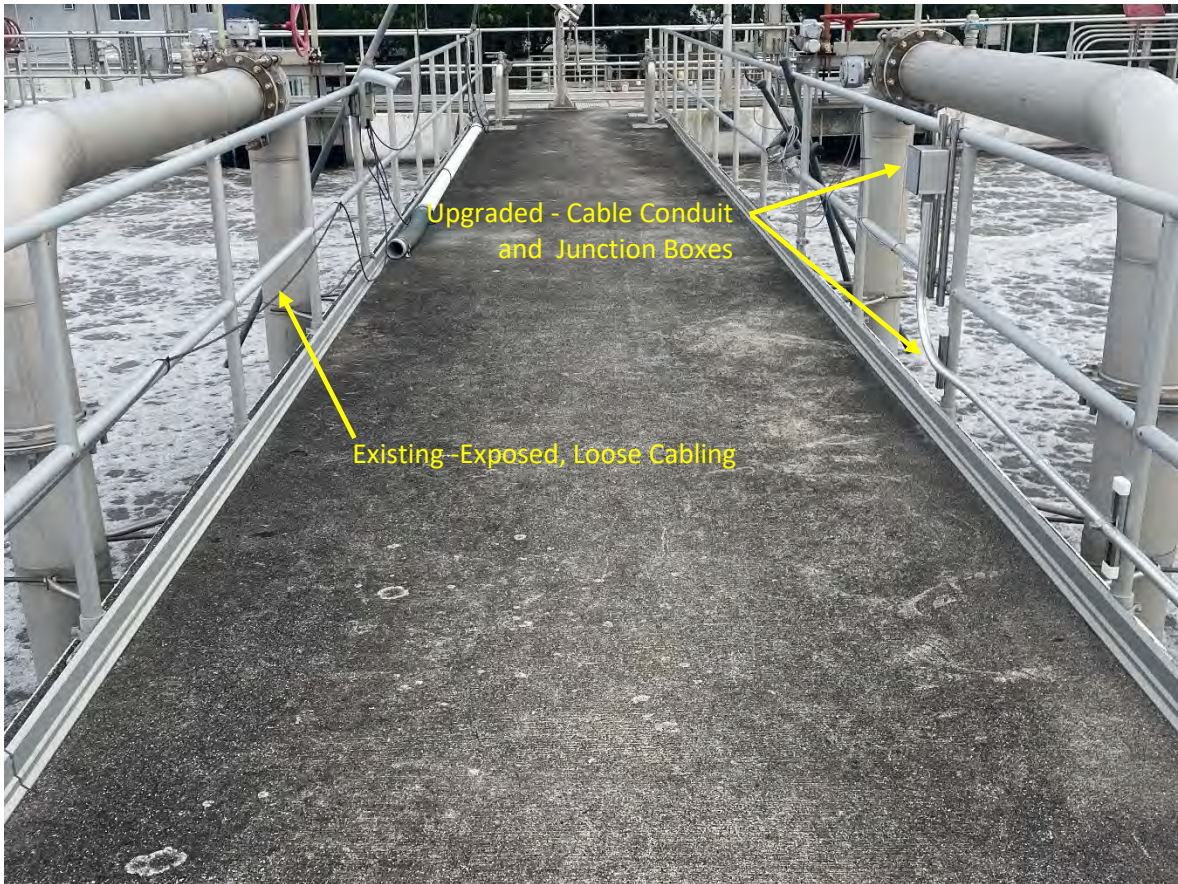
Operations Staff continued to perform routine monitoring, sampling and general maintenance of equipment and structures. Staff also completed and/or supervised work for special projects during the month including working closely with the Maintenance Team during the installation, startup and testing of upgraded process control instrumentation at the aeration basins. The existing instrumentation was installed in 2016 and had reached the end of its useful life. Staff initially completed the replacement of the instrumentation dedicated to Aeration Basin No. 2. This will allow Staff to evaluate its performance and make any necessary modifications prior to completing the installation at the remaining two (2) basins. The new process control instrumentation at the aeration basins includes the continuous online monitoring, via the plant's supervisory control and data acquisition (SCADA) system, of critical process control parameters. These process control parameters include dissolved oxygen (D.O.), mixed liquor suspended solids concentration, pH and oxygen reduction potential (ORP). Each of these parameters provides real time feedback to the Operator, which enables the operator to make appropriate adjustments to optimize treatment conditions for the incoming wastewater stream. A summary of the significance of each parameter to the wastewater treatment process is presented below.

- **Dissolved Oxygen:** To maintain healthy and robust activated sludge treatment processes, D.O. concentrations within the aeration basins should be maintained at a concentration of between 1.5 to 2.0 milligrams per liter (mg/L). D.O. concentrations are maintained by modulating the amount of air which is conveyed from the process air blowers to each aeration basin based on the instantaneous D.O. concentration measured in the basins.
- **Mixed Liquor Suspended Solids:** MLSS is essentially a measure of the concentration of the biomass in the system. To ensure adequate treatment of the influent wastewater to below the stipulated permit limit for cBOD, an adequate biomass needs to be maintained.
- **pH** is a measure of the acidity or basicity of a liquid. The optimal pH for aerobic microorganisms and acid-producing bacteria is generally accepted to be 6.5 to 8.5 standard units. When pH values are outside of this range, it indicates that a toxic load has potentially been introduced to the treatment plant which can have detrimental impact the treatment process.
- **Oxidation Reduction Potential (ORP):** ORP provides a measure of the ability of the activated sludge process to oxidize (i.e. lose electrons) or reduce (i.e. gain electrons). A positive value indicates aerobic conditions, and a negative value indicates anaerobic conditions. The District's current process requires fully aerobic conditions, but proposed process enhancements will require anaerobic conditions at the front side of each aeration basin.

As part of the instrument replacement, Staff took the opportunity to route all new cabling within a system of conduit and junction boxes to improve the resiliency of the system. The previous instrumentation cabling was simply tethered to the handrail which provided limited protection.



Aeration Basin No. 2 – Process Control Instrument Transmitter



Aeration Basin No. 2 – Process Instrument Conduit Improvements

During the month of July, Operations Staff also worked with representatives of Solid Waste Authority (SWA) to roll-out and fully integrate all Shift Lead Operators into the Biosolids Inventory System. The System was developed by SWA to assist with the coordination of biosolids delivery and processing from the seven (7) partners of the facility. When properly utilized by each partner, SWA will have a rough order magnitude estimate of the biosolids processing requirements for a given week. This will provide SWA with critical information on how to operate the facility most advantageously, as well as when to schedule and complete specific planned maintenance and or corrective work orders. Shift Lead Operators have been tasked with reviewing and updating the District projections on a daily basis to ensure that we are providing SWA with the most up-to-date information.

Solid Waste Authority of Palm Beach County
SOLID WASTE AUTHORITY OF PALM BEACH COUNTY

File Help

Home Daily Inventory Schedule Schedule Notes History Inventory History Schedule Admin Exit

7-Day Load Schedule Change

Load Schedule Detail

Customer: LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DIST Refresh Last Refreshed 08/07/2024 13:34:47

	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	
	Daily Limit	WED: 08/07/2024	THU: 08/08/2024	FRI: 08/09/2024	SAT: 08/10/2024	MON: 08/12/2024	TUE: 08/13/2024	WED: 08/14/2024
Tons	54	54	0	54	54	54	54	54

Last Updated By: Last Updated Date:

Note: This page distributes the daily limit as a whole number.

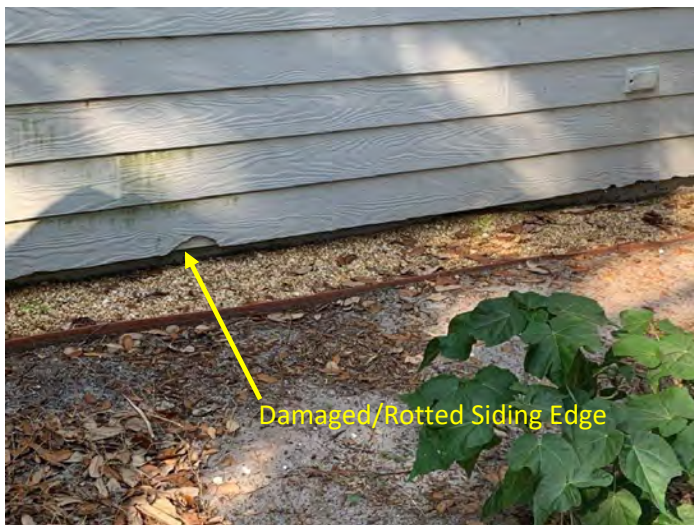
7-Day Delivery Load Schedule (Tons)

Customer Name	Daily Limit	08/07/2024	08/08/2024	08/09/2024	08/10/2024	08/12/2024	08/13/2024	08/14/2024	Status
BOCA RATON UTILIT	62	62	62	62	62	62	62	62	Active
LOXAHATCHEE RIVE	54	54	0	54	54	54	54	54	Active
PBC UTILITIES	107	107	107	107	107	107	107	107	Active
SEACOAST UTILITY,	73	73	73	73	73	73	73	73	Active
SOUTH CENTRAL RE	89	89	89	89	89	89	89	89	Active
WELLINGTON, VILLA	0	0	0	0	0	0	0	0	Active
WEST PALM BEACH,	215	215	215	215	215	215	215	215	Active
Totals	600	600	546	600	600	600	600	600	

Maintenance Department:

The Maintenance Department continued to efficiently perform planned maintenance (PM) tasks during the month of July. In addition to the completion of standard PM tasks, the Maintenance Department addressed non-routine maintenance items as well as “special projects.” A few examples of these types of projects are presented below.

Maintenance Team members worked with a qualified contractor to complete necessary repairs to the exterior of the Administration Building. The repairs were required to replace multiple sections of wood siding panels which were damaged. The majority of the siding sections were located along base of the of the walls. The wood damage was a result of wood rot and accidental impact from lawn maintenance tools/equipment. To mitigate the potential for this type of damage to occur again at these locations, all wood siding was replaced with hardie board siding. Hardie board siding is a concrete product which is not susceptible to rot. Further, as part of previous improvements around the building, gravel borders were installed to improve drainage. These borders will also minimize damage caused during lawn maintenance tasks.



Administration Building Siding Repair

Another significant project coordinated and completed by the Maintenance Team during the month of July was the replacement of the electrical service conductors routed between the deep bed filter, Electrical Building No. 13 and Power Panel 13A. The replacement of the conductors was determined to be required after Operators noted that there were recurrent issues with the motor operated valve actuators dedicated to the deep bed filter units. The valves are critical to the operation of the filter units during the filter media backwash cleaning process. After an extensive step-by-step troubleshooting process, which commenced with a detailed assessment of each of the affected actuator units and worked backwards, it was determined that the electrical services conductors failed resistance testing and that replacement of the conductors was warranted. The Maintenance Team developed a plan to replace the conductors with the objective of minimizing system down time. Prior to commencing with any work, Staff deenergized all electrical sources and applied the appropriate lock out/tag out devices.



Maintenance Team Members Collaborating to Replace Conductors



Conduit Routing from ER-13 to Panel PP-13A

Lastly, Maintenance Team members worked collaboratively with multiple contractors to complete necessary maintenance in and around the stabilization ponds, IQ storage lakes and perimeter canal. The tasks included the clearing of significant vegetation around the banks of the IQ storage lakes, the annual bank trimming/cleaning of the canals running along the western and southern property boundaries, the repair/regrading of the earthen road to access the stabilization pond berm, as well as the falling and removal of a significant number of dead pine trees.



**IQ Storage Lake
Bank Vegetation Clearing**



**Stabilization Pond
Regrade of Earthen Access Road**



**IQ Storage Lake
Falling/Removal of Dead Trees**



**Perimeter Canal
Bank Vegetation Clearing**



LOXAHATCHEE RIVER DISTRICT

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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director
FROM: Bud Howard, Director of Information Services
DATE: August 8, 2024
SUBJECT: Information Services Monthly Governing Board Update for July 2024

WildPine Ecological Laboratory

Riverkeeper Project

In July, the lab staff and our partners collected 179 water quality samples from 32 monitoring stations throughout the watershed. A total of 83 fecal indicator bacteria samples were analysed in support of additional testing for the weekly bacteria monitoring program and the additional monthly testing in Jones and Sims Creeks.

The overall water quality score for July 2024 was “Fair” with 73% of all samples meeting the EPA/DEP water quality criteria for each site. This was better than last month’s “Poor” score of 58% but slightly worse than last year’s July score of 78% (see score card below). The score this month was driven primarily by poor chlorophyll scores. We are now experiencing the seasonal pattern of sporadic heavy rainfall (and subsequent stormwater runoff) as well as warm water temperatures that historically shown to degrade water quality during the late summer months. Recall the June sampling occurred during a significant (3”+) rainfall event.

For the core parameters, *total nitrogen* scored “Good” during July with 97% of sites meeting the water quality criteria. This was better than last month’s score of 88% and identical to last year’s July score.

Total phosphorus results scored “Fair” in July with 72% of sites meeting the water quality criteria. This was a substantial improvement over last month’s “Poor” score of 48% and identical to last year’s “Fair” July score.

Chlorophyll results scored “Poor” again for July, with only 44% of sites meeting the stringent water quality criteria, similar to last month’s score of 40% and identical to last year’s July score.

For the combined *fecal indicator bacteria* (fecal coliforms in all waters, enterococci in marine and brackish waters, and *E. coli* in fresh waters), July results scored “Fair” with 75% of sites meeting the water quality criteria, much better than last month’s score of 57%, but lower than last year’s July score of 87%.

Stephen B. Rockoff
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Dr. Matt H. Rostock
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

SampDate

7/1/2023

7/31/2024

Loxahatchee River District Water Quality Scorecard

Results scored to FDEP/EPA Water Quality Criteria

Green - Good: 80% - 100%

Yellow - Fair: 60% - 79.9%

Red - Poor: < 60%

Monthly Water Quality Score

**July
2024**

73%
Overall

179
Total Samples

TN: Total Nitrogen, TP: Total Phosphorus, CLA: Chlorophyll a, BAC: Enterococci and E. coli bacteria

Year	Month	# Samples	Overall Score	# TN Samples	Total Nitrogen Percent Good	# TP Samples	Total Phosphorus Percent Good	# CLA Samples	Chlorophyll Percent Good	# BAC Samples	Bacteria Percent Good
2024	July	179	73%	32	97%	32	72%	32	44%	83	75%
2024	June	144	58%	25	88%	25	48%	25	40%	69	57%
2024	May	158	77%	30	87%	30	77%	30	50%	68	85%
2024	April	165	80%	32	97%	32	81%	32	50%	69	86%
2024	March	143	80%	25	92%	25	60%	25	44%	68	88%
2024	February	172	80%	32	91%	32	84%	32	56%	76	83%
2024	January	179	79%	33	85%	33	79%	33	61%	80	84%
2023	December	120	83%	25	100%			25	72%	70	81%
2023	November	179	73%	33	88%	33	76%	33	48%	80	76%
2023	October	157	67%	33	88%	33	48%	33	39%	58	81%
2023	September	132	78%	25	92%	25	60%	25	52%	57	82%
2023	August	193	83%	35	97%	35	60%	35	63%	88	86%
2023	July	165	83%	32	97%	32	72%	32	44%	69	87%
Total		2086	76%	392	92%	367	73%	392	51%	935	81%

Spatial Distribution of Water Quality Results

In July, *chlorophyll* results met the water quality criteria at only 14 of 32 sites (44%). Most “poor” stations were in the in the brackish sites of the North and Northwest Forks of the river, and in the Southwest Fork (SWF) of the river including Jones Creek. The Delaware Street (DEL) site in Jones Creek, had the highest chlorophyll level again this month at 86 µg/L, much higher than last month’s 48 µg/L. All the brackish stations in the Southwest Fork creeks and tributaries continue to score “poor” with a monthly average of 29 µg/L in July. The other brackish tributaries also had “poor” scores when compared to their strict water quality standards. River’s Edge (Station 107), a tributary that flows into the Northwest Fork, had a high chlorophyll result of 54 µg/L in July. This was the highest chlorophyll concentration documented since testing began in 1997 at that site. The marine and freshwater sections of the river scored “good” this month.

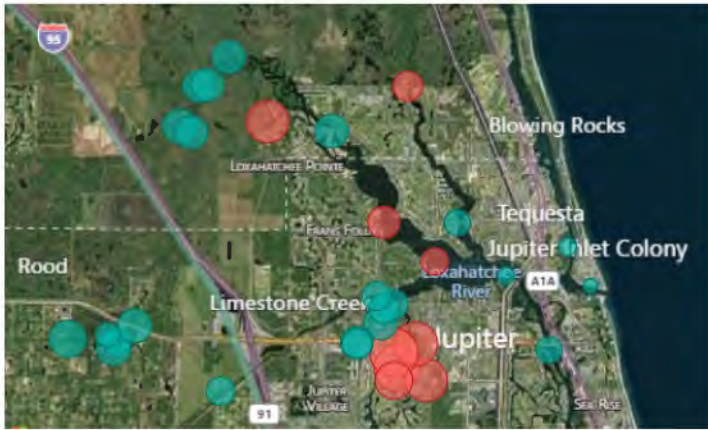
Chlorophyll a (µg/L)

CHL_Score ● GOOD ● POOR



Total Phosphorus (mg/L)

TP_Score ● GOOD ● POOR



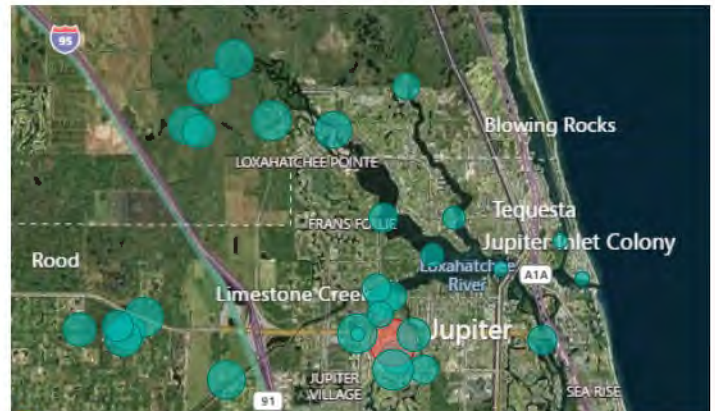
Total phosphorus scored “good” at 23 out of 32 sites (72%) tested in July. Most “poor” stations were in the brackish sites of the Northwest Fork (NWF) of the river, and in Jones Creek. This was a change from last month where most “poor” sites were in the freshwater section. The worst result was the Delaware Street (DEL) site in Jones Creek, with a phosphorus concentration of 0.20 mg/L. The other four “poor” scoring stations in Jones Creek ranged between 0.17 mg/L at Caloosahatchee Culvert (CALC) and 0.09 mg/L at Jones Creek Upper (JCU) with an average of 0.13 mg/L for July, both well over

the strict water quality standard of 0.075 mg/L for that area. We will continue monthly monitoring in Jones Creek for at least the next six months to further assess the trends in water quality following the Town of Jupiter’s Vegetation Trimming project.

Total Nitrogen (mg/L)

TN_Score ● GOOD ● POOR

Total nitrogen scored “good” at 31 out of 32 sites (97%) tested in July. Like the chlorophyll and phosphorus above, Delaware Street (DEL) at the upper extent of Jones Creek was the lone poor scoring station with a concentration of nitrogen at 1.7 mg/L, marginally over the water quality criteria of 1.3 mg/L for that area. The average nitrogen for all six sampling sites tested in the Jones Creek Basin scored “Good” at 0.9 mg/L.



The overall *bacteria* result scored “good” at 62 out of 83 sites (75%) in July. This was an improvement over June and was mainly driven by improved results at Rivers Edge (Station 107). The results at this site show how dynamic the system can be when we see historically high levels of bacteria in June’s sample and then a good score in July’s sample. However, sampling last month (June) occurred during a significant (3”+) rain event.

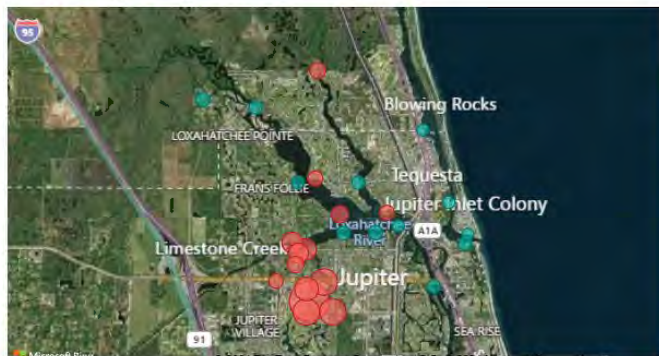
Enterococci bacteria (see map bottom left of next page), the state’s preferred indicator bacteria for salt and brackish waters, fourteen stations scored “poor” when compared to the water quality standard of 130 MPN/100 mL. Rivers Edge (Station 107), which had historically high enterococci last month, was good in July.

All ten stations tested in Jones and Sims Creeks scored “poor” in July, and bacteria concentrations in Jones Creek were higher than in Sims Creek. In contrast to the improvement in the monthly bacteria scores at other sites, compared to last month, Jones Creek had higher levels of Enterococci bacteria. The Caloosahatchee Culvert (CALC) had the highest concentration at 17,329 MPN/100 mL up from 7,701 MPN/100 mL in June. The other “poor” scoring stations in Jones Creek were in the thousands with an average of 6,191 MPN/100 mL, an increase from June’s average of 4,958 MPN/100 mL.

For fecal coliform bacteria (see map below right), nine out of ten “poor” scoring stations were in Jones and Sims Creek, with Jones Creek having higher levels of fecal coliforms than Sims Creek. The Caloosahatchee Culvert (CALC) and Toney Penna Footbridge (TPJ) in Jones Creek had the highest concentrations both at 24,200 MPN/100 mL up from 14,136 and 8,664 MPN/100 mL in June. The other “poor” scoring stations in Jones Creek were in the thousands with an average of Jones sites at 14,162 MPN/100 mL, an increase from June’s average of 7,120 MPN/100 mL. Like with the Enterococci, Rivers Edge (Station 107), the tributary in the Northwest Fork, that had historically high fecal coliforms last month, was good in July.

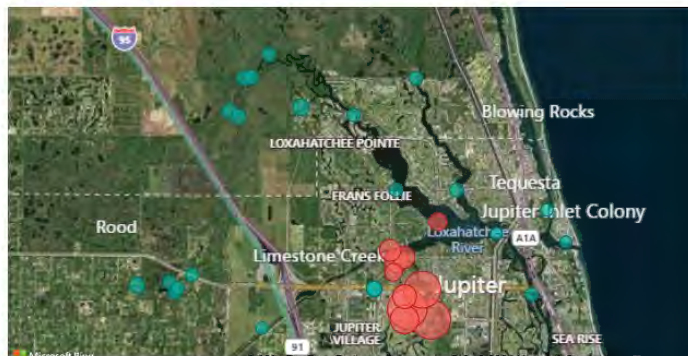
Enterococci Bacteria - Criteria: 130 MPN/100mL

ENT_Score ● GOOD ● POOR

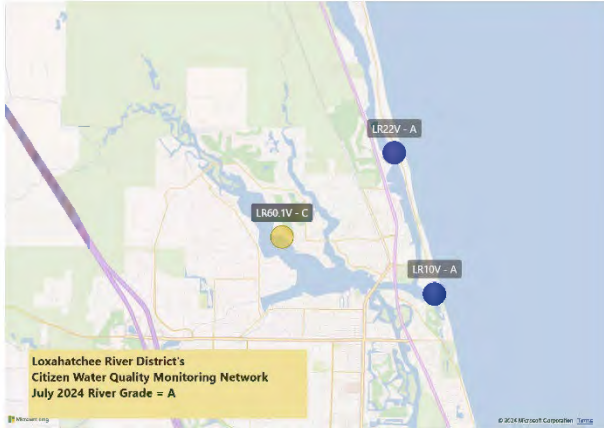


Fecal Coliform Bacteria - Criteria: 800 MPN/100mL

FC_Score ● GOOD ● POOR



Volunteer Water Quality



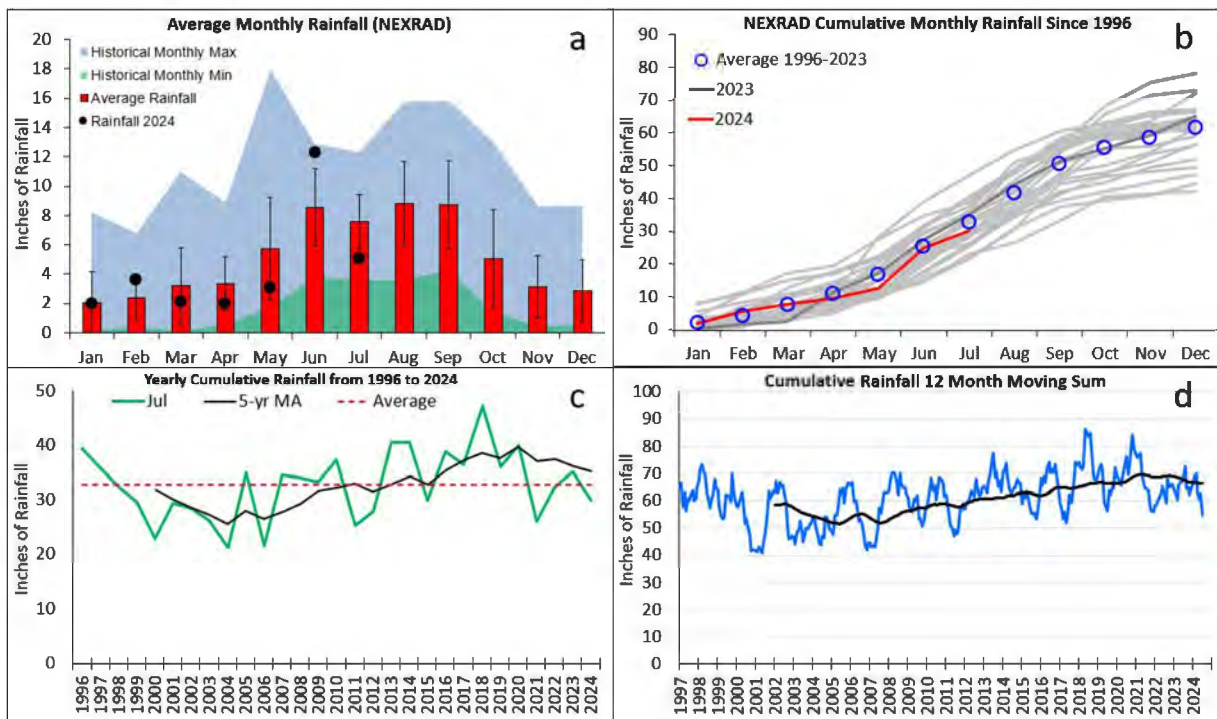
The Loxahatchee River Citizen Volunteer Water Quality Grade for the month of July was an “A”, despite some variability in the water quality parameters at the various sites. The Jupiter Inlet site (LR10V) and Nature Conservancy Blowing Rocks Preserve site (LR22V) scored well except for some slightly lower dissolved oxygen levels. The Tequesta Country Club Dock (LR60.1) had decreased water clarity and dissolved oxygen, and significantly lower salinity (particularly during the falling tide) resulting in a site score of “C”. But all combined, the higher scores at the inlet and intracoastal waterway carried the overall grade to an “A”.

Site	Averaged results for the Month							Monthly Cumulative Grades						Overall	
	Temp (°C)	Secchi	Salinity	pH	DO	DO%	Color	Vis	Salt	pH	DO	DO%	Color	Score	Grade
LR10V	29.5	3.85	32.8	8.1	5.9	93.1	1.0	A	A	A	C	A	A	83.3	A
LR22V	31.5	1.23	36.5	7.9	5.5	90.3	1.0	A	A	C	C	A	A	87.5	A
LR60.1V	28.0	0.70	10.0		5.2	70.2	1.0	C	F		A	C	A	60.0	C
Average	29.7													83.0	A

Grade Scale	
VAB (Visible at Bottom)	81.25 100 A
DO (Dissolved Oxygen)	62.5 81.25 B
ND (No Data)	43.75 62.5 C
	25 43.75 D
	0 25 F

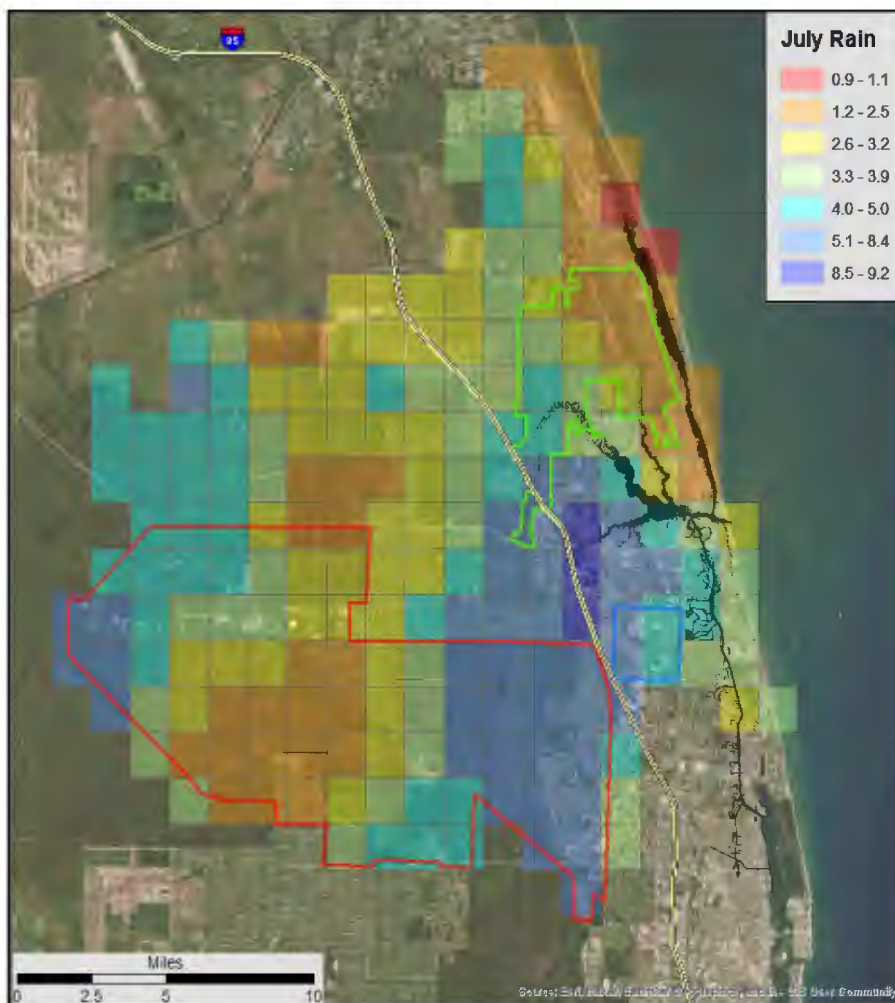
Hydrologic Monitoring

Rainfall during July averaged across the watershed was 5.1". This was about 32% below the historical monthly average of 7.5", and 35% below the 7.8" the watershed received during July 2023 (panel 'a' in figure below). July's rainfall was also a sharp decline from last months near-record 12.3", which gave the watershed a chance to dry out a little. Rain was detected within the watershed during 29 of the 31 days in July with the highest single day total of 0.5" falling on July 2; accounting for only 10% of the total monthly rainfall. Cumulative year-to-date rainfall through July totalled 30.1", about 8% below the year-over-year cumulative total of 32.8" (panel "b" below). Yearly cumulative trends continue to indicate that annual rainfall through July is tracking toward near-average levels. This follows a roughly 10-year period of increased rainfall that peaked at 47.0" in 2018 with the 5-year moving average generally declining since then (panel "c" below). The 12-month moving sum through July was 54.9", down 20% from the 68.7" moving sum from one year ago (panel "d" below). The generalized long-term trend indicator in panel "d" below continues to show that total rainfall within the watershed has generally shifted upward from historical ranges since around 2012, but has leveled off over the past couple years and may be heading toward a decreasing trend.



Figures above display various measures of rainfall. Panel (a) shows average monthly rainfall from 1996 to 2023 (red bars; error bars indicate ± 1 sd). Black dots indicate monthly rainfall for the current year. The blue and green shaded areas show the maximum and minimum rainfall ever recorded for each month. Panel (b) shows monthly cumulative rainfall for each year since 1998. Red line indicates cumulative rainfall during 2024; dark grey line indicates rainfall during 2023. Blue circles are monthly cumulative average rainfall measured between 1996-2023. Panel (c) shows cumulative annual rainfall using NEXRAD radar-based data. Green line indicates cumulative rainfall through indicated month for each year since 1996, when the radar-based rainfall measurements began. Black line is the 5-year moving average across all years and red dashed line shows cumulative average through indicated month. Panel (d) shows cumulative 12-month moving sum of monthly rainfall (blue line) along with the five-year moving average (black line).

The spatial distribution of rainfall across the watershed during July varied greatly and ranged from 0.9” in the driest regions to 9.2” in the wettest regions (figure below). In general, the wettest regions were mostly over urbanized Jupiter, including the LRD plant site, as well as the western extents of the watershed. The driest regions encompassed the northeastern portion of the watershed, including Jonathan Dickinson State Park to the coastline.

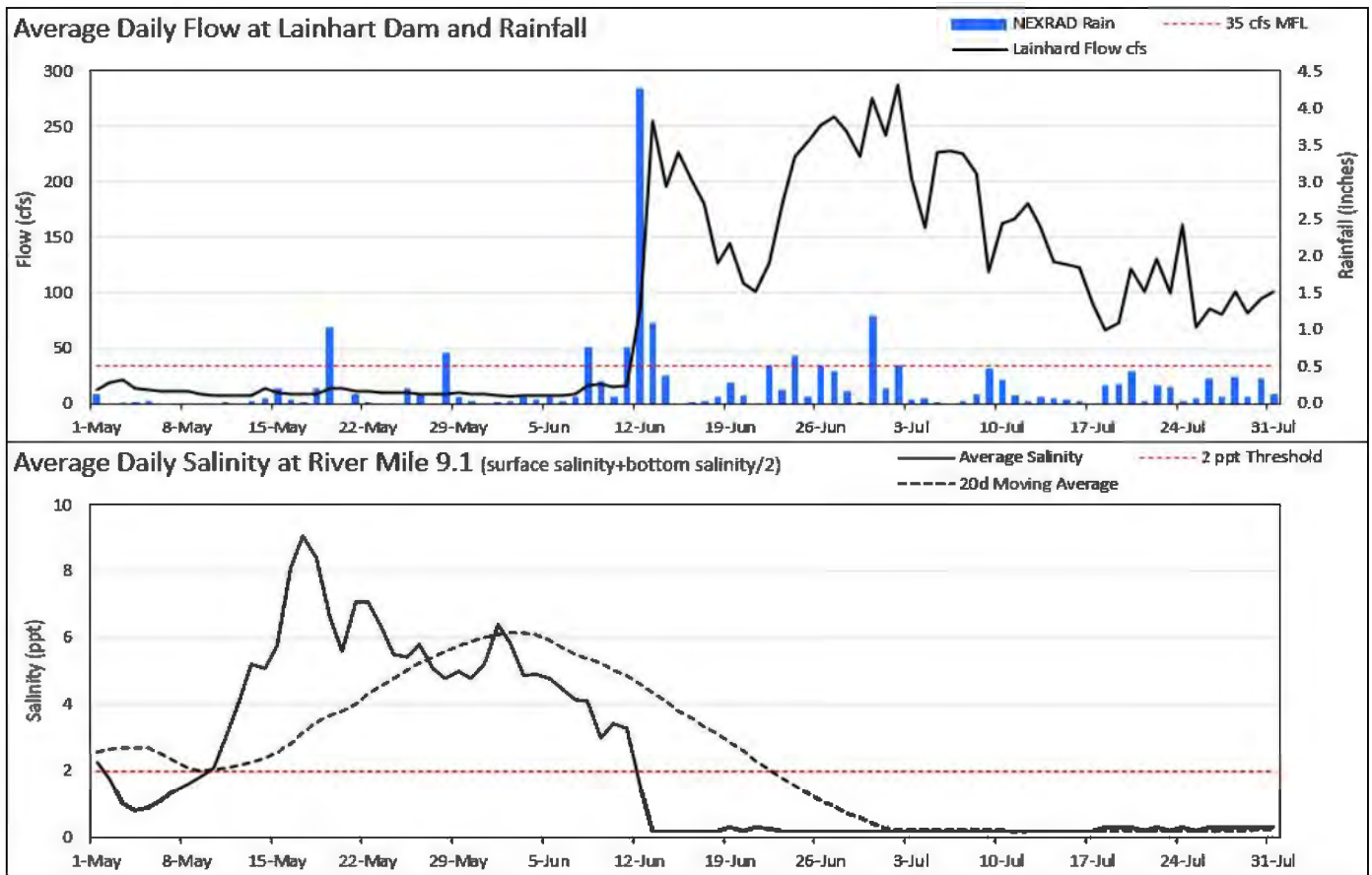


Maps showing NEXRAD rainfall distribution across the watershed during the month indicated in legend. Each pixel represents an area of 2 km x 2 km. Blue colored pixels show highest rainfall and red pixels show lowest rainfall. For reference, the red line is the C-18 basin which includes portions of J.W. Corbett WMA, Loxahatchee Slough, and Pine Glades Natural Area; green line shows Jonathan Dickinson State Park boundary, light blue line shows the Abacoa development.

River Flows

After the significant rains and river flows last month, river flows measured at Lainhart Dam gradually declined through the month, ranging between a high of 287 cubic feet per second (cfs) to a low of 67 cfs, with an average of 142 cfs (upper panel figure below).

The heavy rains in early June brought increased flows that finally ended the high harmful salinity measured at the USGS River Mile 9.1, with the freshwater Cypress swamp segment of the river. However, the Minimum Flow & Level (MFL) criteria for salinity is based on the 20-day rolling average of salinity that should remain below 2 ppt. This year, with the low flows and high salinities, the 20-day rolling salinity average did not drop below the 2ppt threshold until June 23 (lower panel figure below). The 2024 dry season ended with 52 days of flow less than 35 cfs, and 60 days of salinity MFL exceedances.



Daily rainfall and Loxahatchee River Flow measured at Lainhart Dam in the upper panel, and average daily salinity and the 20-day rolling salinity average (dashed line) measured at River Mile 9.1 (lower panel), through July 31, 2024. Data from USGS. Updated chart available at loxahatcheeriver.org/river under MFL.

Oyster Spat Monitoring

Oyster spawning and spat settlement for the 26-day period ending July 22 indicated the typical summer lull in oyster spawning and settlement continues. Oyster settlement was again highest in the Northwest Fork where spat density averaged 1,971 spat/m² with the downstream site accounting for nearly all, or about 93%, of the total settlement activity in the Northwest Fork (figure below). This oyster spat density was a fraction of the historical average of 10,491 spat/m² but was about 70% higher than the 1,157 spat/m² spat density during same period last year (2023).

The Southwest Fork also showed a substantial decline in settlement activity during July with an average of 415 spat/m², with the downstream site accounting for about 76% of the settlement activity. This density was far below the 5,319 spat/m² historical average for the period and about 46% less than the 770 spat/m² during the same period last year. This was the second consecutive year where oyster spat settlement activity declined substantially during the summer months, marking a possible return to the bi-modal, high Spring and Fall, oyster settlement pattern observed prior to 2016. Since about 2016, oyster settlement density remained largely unchanged between the spring and fall months.

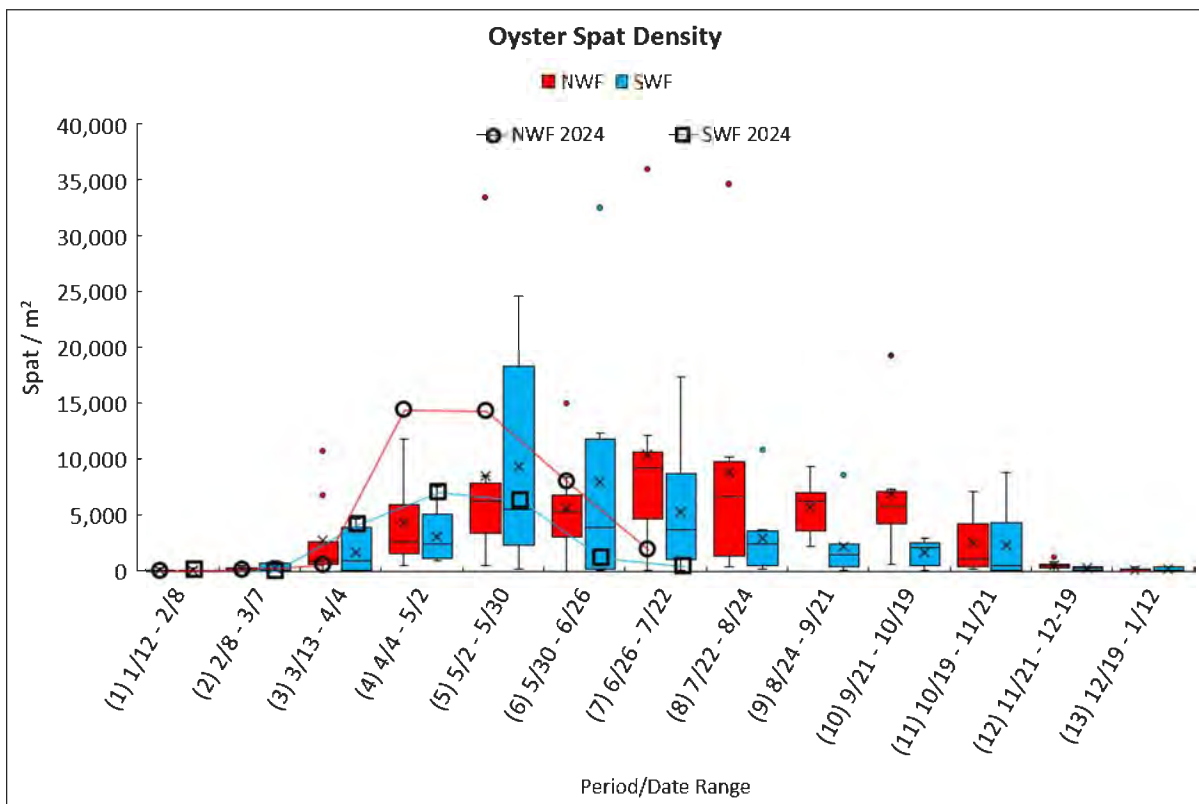
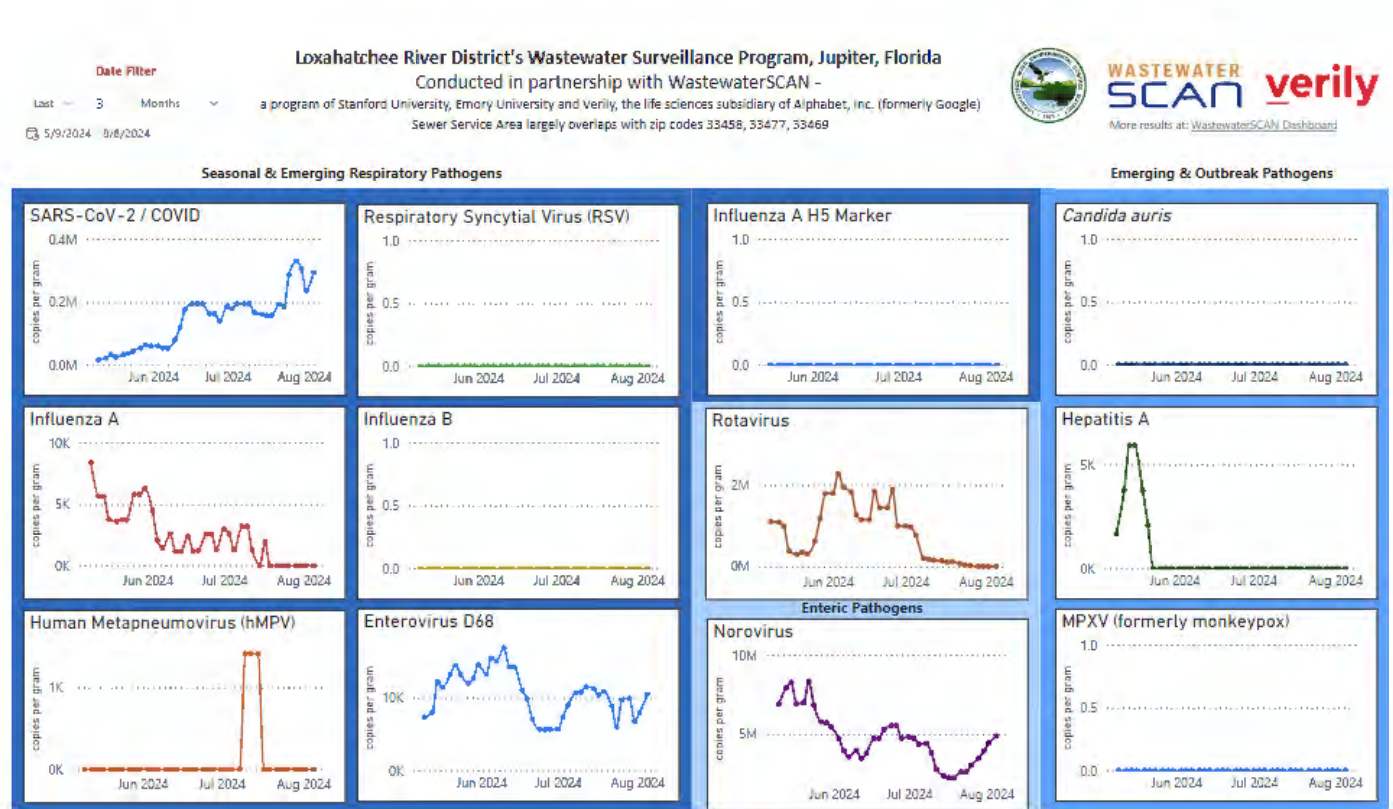


Figure: Box and whisker plot showing interquartile range (IQR) of oyster spat density (spat / m²) for each period in the Northwest Fork (red) and Southwest Fork (blue) of the Loxahatchee River between 2016-2023. The "X" indicates period mean. Superimposed on the IQR are the 2024 period means for both the Northwest Fork (circle/red line) and Southwest Fork (square/blue line).

Wastewater Surveillance

The District's Wastewater Surveillance program, monitoring 12 pathogens through the WastewaterSCAN program, showed continued increases in COVID. This high concentration measured in the wastewater was evident in the number of friends, family, and staff that were sick with the virus.

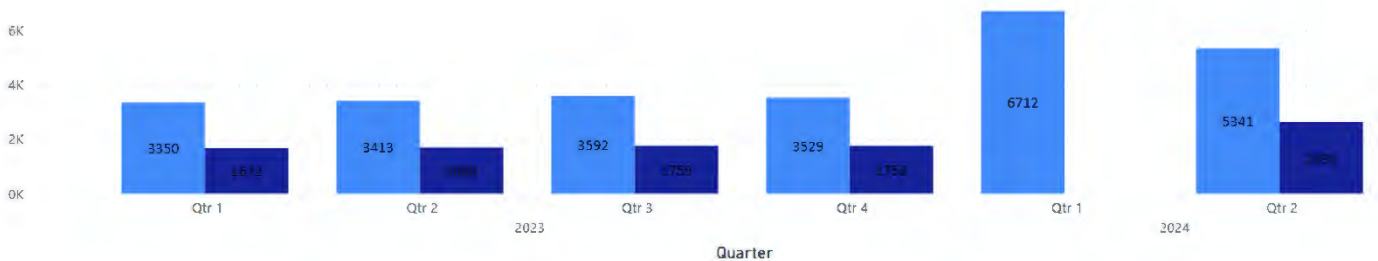
As school gets back in session, it will be interesting to watch the trends in the various pathogens. Results from the WastewaterSCAN programs testing three times per week are automatically uploaded to our website at <https://loxahatcheeriver.org/wastewater-surveillance/>.



Customer Service

Billing & Payments

The distribution of the 3rd quarter bills began on July 11, which is due August 14. Staff have been busy processing nearly 12,000 payments totalling nearly \$1.6M from our quick paying customers. As of this writing, 56% of the accounts are satisfied. But on August 14 we will process roughly 8,000 payments (or 24% of our 33,400 active customers) that are now on AutoPay. We also receive the bulk of our Online Bill Pay payments made through the customer's bank in the days preceding the bill due date. Following multiple channels of communication, we are hopeful that we will end this quarter with more accounts paid by the due date / end of the quarter and back in line with historical counts (figure below).



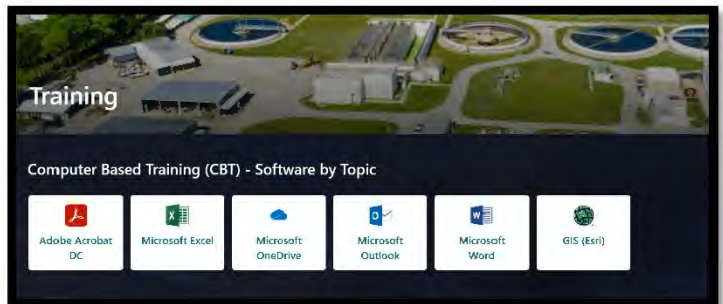
Quarterly counts of Past Due Notices sent (light blue) and Late Charges applied (dark blue) during our transition to our new Customer Information and Payments System. No late charges were applied in Q1 because of the high number of customers having difficulty reestablishing their AutoPay.

Information Technology (IT)

Improved Computer Training

We are excited to release our new and improved Computer Training Intranet page. Staff and Board Members can now register for **self-paced trainings** covering a variety of topics such as Microsoft Excel, Word, and Outlook. Also available are **assessments and quizzes** for users to measure their skill level and subject knowledge to help select the appropriate level training course.

The District is on a journey to create a comprehensive and personalized training and development ecosystem. By offering these types of trainings, staff can be more effective and confident in their current position and build skills for professional development.



Loxahatchee River Environmental Center

August 2024



River Center Summary Statistics

LRD'S ENVIRONMENTAL STEWARDSHIP DASHBOARD



		Total Visitors <small>(incl. Visitors, Field Trips, Onsite Programs)</small>	1st Time Visitors	Average Program Participation <small>[Actual participants/Capacity of Program]</small>	Volunteer Hours	Visitor Satisfaction	Staff Overall Program Assessment	Expenses	Revenue
Benchmark / Customer Expectation		Total	Total	% of Capacity	Total	Rating Average <small>[Max Rating is 5]</small>	Rating Average <small>[Max Rating is 9]</small>	% within budget	% of Target
Green Level		≥ 90%	≥ 90%	≥ 85%	≥ 90%	≥ 4	≥ 7	≥ 85% but ≤ 105%	≥ 90%
Yellow		≥ 75%	≥ 75%	≥ 70%	≥ 75%	≥ 3	≥ 5	≥ 80%	≥ 75%
Red		<75%	<75%	<70%	<75%	<3	<5	< 80% or > 105%	<75%
2021 Baseline		952	73	83%	248	4.7	7.8	92%	85%
2022 Baseline		1,322	101	111%	240	4.6	7.9	91%	107%
2023 Baseline		1,462	110	93%	297	4.7	7.8	83%	86%
2023	July	2,046	89	92%	1,104	4.8	7.6	79%	85%
	Aug	1,215	69	130%	360	4.6	7.6	76%	86%
	Sept	1,093	110	98%	120	5.0	7.5	86%	86%
	Oct	1,940	142	100%	142	4.9	7.8	73%	74%
	Nov	1,183	48	110%	154	5.0	8.0	92%	72%
	Dec	1,021	78	79%	81	4.5	8.0	100%	57%
2024	Jan	1,178	84	89%	115	4.7	8.3	99%	81%
	Feb	1,689	185	105%	264	4.9	8.2	104%	94%
	Mar	1,697	128	90%	198	4.7	8.0	103%	112%
	Apr	1,162	93	88%	91	4.7	8.0	106%	112%
	May	1,153	87	117%	200	4.9	8.1	104%	106%
	June	2,870	127	111%	719	4.8	7.5	96%	86%
	July	2,120	166	93%	1,093	4.8	8.0	94%	109%
Consecutive Months at Green		12	13	7	3	13	13	9	1
Metric Owner		O'Neill	O'Neill	Duggan/Warwick	Patterson	O'Neill	O'Neill	O'Neill	O'Neill

Metric	Explanation

River Center General

Special Programs

Aquatic Adventure Summer Camp July weeks

The second part of our summer camp sessions started with our Middle School, River Trekkers, High School Community Service Camp, and ended



with our Nature Navigators. Each week is designed to immerse our campers in the outdoors by exploring local waterways in and around the Loxahatchee River. Popular stops for our campers include Blowing Rocks Preserve, Coral Cove Park, Dubois Park, and Jupiter Beach. We have also added Grassy Waters Preserve and Manatee Lagoon Discovery Center to our roster this year, which seem to be great additions for our campers. During our High School Community Service Camp week, our



campers completed projects with Palm Beach County's Environmental Resources Management. They pulled invasive Wright's Nutrush and conducted a trash cleanup at Limestone Creek where they collected 115 pounds of trash. Our high schoolers also planted native plants for the Bureau of Land Management at the Lighthouse and helped pull invasive Cesar weed at the Arthur R. Marshall Loxahatchee Wildlife Refuge. This summer has been one for the books and we can't believe how fast it all went. Our last summer camp day will take place on August 6th for our Adults!

Old School Science Day [Friday, July 5th]



Our second Old School Science Day was filled with color, sound, fun – and a visit from CBS 12 News! Old School Science Day is a free program that allows families to participate in a variety of science experiments, crafts, and demos. This time, we had color-mixing spinners, DIY lava lamps, balloons blown up with baking soda and vinegar, homemade harmonicas, optical



illusions, and more. A crowd favorite was our color-changing titration using butterfly pea tea, which switched from blue to red to green! We wrapped up our event with a visit from CBS 12 News, who featured our event on their evening program!





Blooming in the Garden – Hello, Hummingbirds! [Saturday, July 6th]

Did you know hummingbirds can fly backwards and upside down? Or that the smallest hummingbird weighs less than a dime? Or that some can migrate over 3,000 miles? Our little gardeners learned all this and more at Blooming in the Garden! We made our own moveable hummingbird craft, then took it on a journey through our garden. We learned what kinds of flowers hummingbirds like to visit and why, collecting "nectar" with our pipettes at each step. When we reached our final stop, we made our own little hummingbird feeders. And, of course, we planted flowers to take home!



Family Fishing Clinic [Tuesday, July 9th]

On July 9th, children and their parents attended our River Center Family Fishing clinic conducted at Burt Reynolds Park. Our fishing clinics are a great introduction for adults and children to learn fishing basics such as knot tying, important items to keep in your tackle box, various dehooking methods and conservation. Participants also tested their casting skills before heading out to the docks to put their new knowledge and skills to the test. Participants caught several catfish, checkered pufferfish, snappers, and mojarras. Kids get to go home with a goody bag filled with information and giveaways from Florida Fish and Wildlife Conservation Commission.

Afterschool Book club – Manatee Summer [Wednesday, July 10th]

This month, our book club discussed *MANATEE SUMMER* by Evan Griffith. This story is set on the Indian River, and we started our meeting by looking at a map to get a sense of where our story takes place - and



where we are! This was a much-loved book and after a lively discussion, we were able to chat virtually with the awesome author, Evan Griffith, and ask him our questions. Next, we were able to dive a little deeper with a manatee kit lent to us by Florida Youth Conservation Network. We discussed threats to manatees, learned about their skeletal structure and other physical traits, and talked about ways to protect manatees. In *MANATEE*

SUMMER, the main characters create a Discovery Journal, so we finished out meeting by creating our own discovery journals and taking a short hike through our garden. We spotted mockingbirds, millipedes, and our resident gopher tortoise. At our next book club, we'll be discussing *THE WILD ROBOT* by Peter Brown.



Kayak 101 [Wednesday, July 10th]

On Wednesday, July 10th the River Center hosted an Intro to Kayaking course. Participants in these workshops had the opportunity to practice basic kayak strokes, learn safety tips and demonstrate how to be a proficient paddler on the water. Our courses are conducted by one of our River Center Level 2 Kayak instructors and are great opportunities to become a better paddler. We had 8 participants in this workshop.



Swamp Tromp – Cypress Creek Natural Area [Friday, July 12th]



We had a great time “wet” hiking in the swamp at Cypress Creek Natural Area. Participants enjoyed wading between cypress domes and exploring a normally unavailable trail through the water.

This hike is an “adventure” tour since it is not a

marked trail. Participants braved the mosquitos and saw Christmas Lichen, native fern species, and waterfowl.

Friday, July 12, 2024

Sara,

It was beautiful swamp tromp.

One of the best I have been on.

Thank you so much!!

Paul

Archery 101 [Saturday, July 13th]

The River Center hosted our Archery 101 class at our 20

Acre property. Our Archery Program provides participants with a safe and educational way to learn the skills of outdoor archery. This program motivates students to get outside and practice a new skill. This program encourages them to be active outdoors, further connecting them to nature. The class teaches parts of the bows used, proper steps for shooting a bow, range and bow safety, how to be mindful about shooting outdoors, the history of archery, basic shooting skills, and range practice. Connections are made to LRD through ownership of the land as well as our conservation efforts to protect the river that is adjacent to the property.

Science with Sam

Exciting Electricity [Saturday, July 13th]

The Science with Sam lesson was Exciting Electricity this month. This class focused on electricity-based vocabulary, electricity that we use, electricity in the Earth, and animal adaptations using electricity. Students learned about Earth and natural electricity, such as lightning. Students discussed how we use electricity in our daily lives and learned how our bodies use electricity to function. Students had the opportunity to create their own electrical reaction and test some electricity experiments. At the end of class, students were able to observe and interact with a plasma ball representing lighting.



Orienteering [Thursday, July 18th]

In the orienteering lesson, students learned what a compass is, how a compass works, how to use a compass, cardinal and ordinal directions, and pace. Students calculated their individual pace and tested their compass skills in a set orienteering course. The lesson ended with a game of compass-ball, of which the goal is for students to work as teams to learn the cardinal and ordinal directions. Orienteering gives students hands-on experience with key navigation tools and builds skills that are essential as students begin engaging with nature. Maintaining personal safety is a fundamental necessity while we explore, experience, and connect with nature, and this course is tailored to give students confidence to explore the outdoors, which cultivates their sense of environmental stewardship.

Sandbar and seashells [Wednesday, July 17th]

The River Center hosted its last Sandbar and Seashells Boat Tour of the summer season. We worked with Aqua Adventure Tours to provide these boating experiences all summer long geared

towards families. This trip provided the opportunity for guests to get out of the boat and into the water, plus we explored the central embayment area. This trip had five kids and four parents



onboard to snorkel at Bird Island, dip net on the sandbar, and boat around the lighthouse. This was the perfect experience to get families out on the water to enjoy and explore the Loxahatchee River.

Sunset Kayak Tour at Cypress Creek [Friday, July 19th]

This trip was quite the adventure and an evening to remember. Participants got up close to the marsh habitat at the beginning of the kayak trail. The water was low so, we were challenged to make our way through the reeds, but it was worth it once we got out to the lake.

We began to see the water birds coming in to roost for the night and enjoyed the croaking of a bull frog as he warmed up for his evening song.

Fishing Adventure - Cypress Creek Natural Area [Saturday, July 20th]

The River Center held a Fishing Adventure at Cypress Creek Natural Area South. We had several families join in for this event and almost everyone reeled in a fish. Catches included Mayan cichlids, bluegill, and various tilapia. We also saw several birds and turtles that hung around to watch us fish. It was a fun freshwater experience!



Fishing Adventure - Jupiter Inlet Lighthouse Outstanding Natural Area [Tuesday, July 23rd]

We had an awesome time fishing at the Jupiter Lighthouse pier! The weather was great, and the fish were biting! Participants got to fish right off the shoreline by the Jupiter Lighthouse, catching snapper, sailors' choice, mojarras, and pufferfish. We also got to see a mother and baby manatee swim by! Families got to learn about the history of the lighthouse and the intracoastal waterway.



Little Otters - [Wednesday, July 24th]

Our Little Otters program continues to be popular with our families. We meet at Blowing Rocks Preserve and give our littlest learners the chance to wade into the lagoon and see what they can find! This month we got a real treat – a manatee swam right past our crew! We also found urchins, crabs, sea snails, a checkered pufferfish, and all sorts of other marinelife. Next month's program is already full, and we're looking forward to more discoveries!





Sunset Kayak Tour at Pine Glades Natural Area [Saturday, July 27th]

The River Center facilitated our last sunset paddle of the summer at Pine Glades Natural Area. This natural area is a roosting spot for various native birds including Roseate Spoonbills, Grackles, Ibis, Limpkins, and many herons. Throughout the leisurely paddle guests learned about the marsh habitat and came across a few alligators along the way. This park is always a great one at sunset and we look forward to exploring it more.

Estuary Exploration: Seine & Dip - Blowing Rocks Preserve [Tuesday, July 16th & Tuesday, July 30th]

The River Center facilitated multiple seine and dip experience at Blowing Rocks Nature Preserve this summer. The water was clear, and everyone was able to discover new critters. Many people had never seen a Loggerhead sponge before. We found several variegated sea urchins, fighting conchs, blue crabs and even pulled up a juvenile stingray. Our seine and dip programs have been so eventful and fun this summer and we can't wait to see what we discover next.



Volunteer of the Month



Our July Volunteer of the month is Isabelle Haire. Isabelle was one of our amazing camp counselors. Isabelle went above and beyond during her week as counselor and truly made a difference with our campers. Isabelle always has such an enthusiastic and positive attitude which spreads to others around her. Not only was she an amazing camp counselor but she also helps at The River Center. When something needs to be done, we can count on Isabelle to get it done. Isabelle is always so helpful and does everything with a smile on her face! We can always count on her to step in where needed and get the job done! Thank you, Isabelle, for all that you do to help at The River Center! We appreciate you.

UPCOMING EVENTS

RSVP at www.lrdrivercenter.org/events-calendar
rivercenter@lrecd.org or 561-743-7123

Every Thursday, 9:30 a.m. – 10 a.m. – Story time: Join the River Center for Story Time. Families are welcome as we read stories and have an animal encounter.

August 17, 1:00 – 2:00 p.m.: Intro to Volunteering [New Volunteer Workshop]: Do you have a passion for the environment? Do you enjoy interacting and educating the public? The River Center is looking for enthusiastic and personable volunteers to join our River Center team! Individuals 14+ are invited to attend the next Intro to Volunteering workshop from 1:00 PM – 2:00 PM. For questions or application information please contact our Volunteer Coordinator Rebecca Patterson at 561-339-3107 or Volunteer@Lrecd.org

August 21, 10:00 – 11:00 a.m.: Little Otters [Blowing Rocks Preserve]: Beat the summer heat and get in the water with your little one! Join us once a month throughout the summer at the Nature Conservancy's Blowing Rocks Preserve (574 S Beach Rd, Hobe Sound, FL 33455). We will meet outside the visitors' center on the lagoon side (west side). The River Center will provide dip nets and sand toys. We'll search for urchins, conchs, and crabs while enjoying the natural beauty around us. Adults and children should come prepared to be in the water for an hour. This includes closed toe water shoes, sunscreen, hats, and water bottles. Adults will be responsible for their children during this program. Limited to 15 children (+ their accompanying adults). Siblings of all ages are welcome, just include them in your registration! This program is free of charge. Please RSVP to attend.

September 4, 9:00 a.m. – 11:00 a.m.: Sensory Friendly Morning: In our efforts to be more inclusive and make the River Center a welcoming space for everyone, we will start offering our Sensory Friendly Mornings. During these mornings, the lights will be dimmed, and we will reduce the sounds in the River Center as much as we are able to accommodate guests that are sensitive to sounds and light. We will offer noise cancelling headphone, fidgets, and other materials to make their visit as enjoyable as possible. They will also have the opportunity to engage their sense of touch with some of our biofacts and education animals.

September 14, 8:00 a.m. – 4:00 p.m.: Boat America Class [Boating Safely]: Cost: \$10 to register; refunded when class is completed. The River Center continues to collaborate with the US Coast Guard Auxiliary "Flotilla 52" to provide a series of Boating Safely Classes targeted specifically to young boaters in our community. These classes are provided through a generous sponsorship by the AustinBlu Foundation, a not-for-profit dedicated to raising awareness and promoting educational programs to improve boater safety. Recommended for children 12 years and up, but all ages are welcome.

September 17, 9:00 a.m. – 11:30 a.m.: Nature Journaling [Jupiter Inlet Lighthouse Outstanding Natural Area]: Are you interested in Nature Journaling and don't know how to start? We have the class for you! Nature Journaling is a great way to slow down to discover and explore the nature around us. We will teach observation, writing, measurement and recording skills. You do not need to be an "artist" to be a nature journalist. You just need a little curiosity. This is a monthly class with a different theme and skill each month. Cost is \$5 per person. Purchase the starter kit for an additional \$5 per person.

September 21, 10:00 a.m. – 12:00 p.m.: Latino Conservation Week Fishing Adventure [Jupiter Inlet Lighthouse Outstanding Natural Area]: Join us for a fishing adventure geared for Latino Conservation Week! ¡Únase a nosotros en una aventura de pesca preparada para la Semana Latina de la Conservación! Nos instalaremos en el área natural excepcional del faro de Júpiter Inlet. Este programa está diseñado para pescadores jóvenes que desean tener más experiencia en pesca. Es una manera emocionante de descubrir nuevos lugares de pesca acompañado por el personal de River Center. Se te proporcionarán postes y cebo o puedes traer tu propio equipo. Se anima a los padres a acompañar a sus hijos y participar. Todos deben traer agua, bloqueador solar, gorra y lentes de sol. ¡Por favor

confirme su asistencia utilizando el enlace a continuación! We'll be set up at the Jupiter Inlet Lighthouse Outstanding Natural area. This program is designed for young anglers who want more fishing experience. It's an exciting way to discover new fishing spots while accompanied by River Center staff. Poles and bait will be provided or you can bring your own gear. Parents are encouraged to accompany their children and participate. Everyone should bring water, sunscreen, hats, and sunglasses. Please RSVP using the link below



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

MEMORANDUM

To: D. Albrey Arrington, Ph.D., Executive Director
From: Ed Horchar Safety Officer
Date: August 1, 2024
Subject: District Safety Report for July 2024

Safety Metrics: July 2024

OSHA recordable injuries: One

Lost time injuries: Zero

Actual TRIR: 2.5 [Goal < 1.5]

TRIR = Total Recordable Incident Rate

Safety is a Core Value at LRD – *Our conduct is shaped by a personal commitment to protect the health and safety of ourselves and our colleagues. Safety is driven through education, training, planning, protective equipment, and individual accountability.*

OSHA Recordable Incidents/MVA's: The LRD experienced zero (0) OSHA Recordable Injuries in July. The District has a rolling twelve-month Total Recordable Incident Rate (TRIR) of **2.5**. This is greater than the District goal of 1.5. District employees will need to work through January 2025 before the rolling twelve-month TRIR will be reduced.

The District did not experience a Motor Vehicle Accident (MVA) in July. With one MVA in the last 12-month period, the MVA incident rate is at 1.1. Below the LRD MVA goal of 2.2. If District employees work through September 2024 without a MVA, our MVA rate will fall to zero.

Sustainment: The Power BI tracked Job Hazard Assessment (JHA) activity has indicated a monthly volume of JHA's generated for July of 1569, greater than the 12-month rolling average of 1,333 per month. Current Power BI data now captures the generation of multiple JHA's on one open work order. The Wild Pine Lab and River Center continue to utilize the JHAs and are included in the overall data. The following is an assessment of July's JHAs performed per employee in each department:

Reuse:	36 JHA / employee	Construction:	11 JHA / employee
Operations:	37 JHA / employee	Inspection:	28 JHA / employee
Collections:	53 JHA / employee	Wild Pine Lab	4 JHA / employee
Maintenance:	34 JHA / employee	River Center	3 JHA / employee

Stephen B. Rockoff
CHAIRMAN

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BOARD MEMBER

Gordon M. Boggie
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Dr. Matt H. Rostock
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Clinton R. Yerkes
BOARD MEMBER

JHA and Work Orders: In July approximately 97% of the applicable Work Orders (WO) included a JHA. This represents twenty (20) months in a row in which the District expectation of 95% was exceeded. The following is a District comparison for the percentage of July EAM applicable Work Orders generated for which an electronic JHA was completed:

Reuse:	100 %	Construction:	100 %
Operations:	98 %	Inspection:	89 %
Collections:	98 %	Wild Pine Lab	0 Electronic JHA's
Maintenance:	99 %	River Center	0 Electronic JHA

Lockout / tagout (LOTO): LOTO continues to be tracked in similar fashion to the JHA's. The machine-specific LOTO form is what an "Authorized" LOTO employee must complete prior to placing the machine / system in a locked-out condition. Any District employee working on the system/equipment being locked-out must affix their own personalized lockout lock and tag to the equipment. July data indicated 272 machine-specific LOTO forms were completed by District employees. Current data indicates the LOTO compliance rate to be at 77% of applicable work orders. This substandard performance appears to be primarily a training issue as work order task plans are not being accurately completed. In July 82 applicable work orders did not complete the required LOTO question prompt. Not completing this question resulted in a decrease in the total % compliance toward LOTO. As we continue to track the LOTO to work order compliance, the expectation is that we will improve measured performance through targeted training. The District will not be satisfied until the LOTO percentage is sustained at 100%.

Near Miss Reporting: There were 6 Near Miss reports initiated in July which is less than the 12-month rolling average of 8. The Reuse Department submitted three reports, Inspection submitted two reports, and Collections Department submitted one near miss report. Two unsafe conditions were reported involving potential falling objects, and four Safety Process Improvements involving issues ranging from housekeeping to slips, trips and falls. The Near Miss Reporting process is being enhanced to increase the efficiency of implementing corrective actions. Upon receiving the Near Miss report, the reporting employee's direct supervisor will initiate the review of the concern with the reporting employee and the Safety Officer, and create a work order to track the progress, including closure. All District employees should continue to report potential safety issues, including unsafe or unhealthy conditions, potential pollution sources or events, and suggestions to improve safety processes, via this Near Miss Reporting System.

Training: The District Safety training in July included Computer Based (CBT) Lockout-tagout Awareness training for District employees who are not LOTO Authorized employees. This training ensures each District employee understands the scope of LOTO and to never override any LOTO device. CBT Fall Protection Equipment Care and Use training was provided to 22

District employees who are trained to use fall protection/ confined space rescue equipment. Understanding proper maintenance and care ensures the safety equipment will work properly and stay in acceptable condition. Hands on Confined Space Rescue set-up and inspection training was provided to twenty-one District employees. The training is critical to understanding the proper methods to set-up and operate confined space rescue equipment. This rescue is specifically geared toward “Non-Entry Rescue” techniques. District employees are not trained in “Entry Rescue” and will always use provided Non-Entry Rescue equipment when entering a confined space. To some District employees this was a refresher training. For all recent hires this was an introduction to proper operation of District confined space rescue equipment. This training ensures employees are “entry level proficient” at a minimum to perform Confined Space Attendant duties during confined space entries. With experience and demonstrated proficiency, employees will become Intermediate level proficient and able to perform Confined Space Attendant duties unsupervised. The District provides three different types of rescue systems, a tripod which fits over a manhole, a vehicle hitch mount sleeve and davit arm, and a hoist system equipped with a three-legged base and a davit arm. Each are capable of utilizing a Self-retracting lifeline which acts as a retrieval line if an employee requires rescue assistance. Each also can be equipped with a winch which can lower employees into spaces not capable of utilizing a ladder for access. Each is configured differently, so the importance of understanding how each system functions is critical. This value-added training was conducted by Kevin Graves of Safety & Boot Center. Kevin is a certified 3M Confined Space Level 1 trainer.

Due to some overdue Computer Based Training, the overall training completion for July was at 90% which is lower than the District expectations.

Completing Safety Training in a timely manner is another example of how District employees are working to ensure the safety of all employees stays in focus and demonstrates a dedication to work smart and safely. Please visit my office with any questions or ideas you may have. And do not forget to utilize the near miss reporting system. Let’s help each other stay safe and reach beyond our goals.



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D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

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MEMORANDUM

TO: Governing Board
FROM: Administration Staff
DATE: August 09, 2024
SUBJECT: Consultant Payments

The following amounts have been reviewed and approved for payment to our consultants for work performed during the prior month.

Consultant	Prior Month	Fiscal YTD
Attorneys	\$ 6,413.75	\$ 114,259.28
Baxter & Woodman	—	\$ 212,096.94
Holtz	\$ 6,991.88	\$ 304,374.96
KCI	—	\$ 57,024.40
Kimley-Horn & Associates, Inc.	—	\$ 18,312.00
Mock, Roos & Associates	\$ 10,457.50	\$ 19,426.50

Should you have any questions regarding these items, please contact Kara Fraraccio concerning the attorney invoices, and Kris Dean concerning the engineer invoices.

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Future Business

General:

- Required Ethics Training for Board Members
(see <https://www.fasd.com/ethics-for-special-districts>)

Future Contracts:

- Anaerobic Process Aeration System Study – Change Order
- Chapter 31-10 Rates, Fees, and Charges - Types of Use/Equivalent Connections; Harbor Road South Phase 1 Sub-Regional Line Charge.
- County Line Road Bridge IQ Main Relocation – LRD/Village of Tequesta Interlocal Agreement
- County Line Road Bridge IQ Main Relocation – Award Construction Contract
- Evoqua Water Technologies Amendment to Contract - Master Lift Station – Odor Control
- FY25 Fleet Purchase – Award Contract
- FY25 Portable Generator and Pump Purchase – Award Contract
- Lift Station 050 Emergency Generator and Automatic Transfer Switch – Award Construction Contract
- Maintenance Facility – Professional Engineering Services – Approval of Qualified Firms
- Vulnerability Assessment - Professional Engineering Services - Approval of Qualified Firms
- Vulnerability Assessment - Professional Engineering Services – Firm Ranking and Award of Contract
- Warehouse Facility – Professional Engineering Services – Approval of Qualified Firms

