



LOXAHATCHEE RIVER DISTRICT

2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458

TEL: (561) 747-5700

FAX: (561) 747-9929

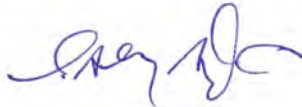
D. Albrey Arrington, Ph.D. EXECUTIVE DIRECTOR

loxahatcheeriver.org

**REVISED AGENDA
REGULAR MEETING #07-2023
APRIL 20, 2023 – 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 3
 - C. Additions and Deletions to the Agenda
3. Comments from the Public
4. Status Updates
 - A. Loxahatchee River Watershed Page 11
 - B. Loxahatchee River District Dashboard Page 12
5. Consent Agenda (see next page) Page 13
6. Regular Agenda
 - A. Consent Agenda Items Pulled for Discussion
 - B. Liability and Workers Compensation Insurance Page 48
 - C. Odor Control (Evoqua) Contract Page 57
7. Reports (see next page) Pulled for Discussion
8. Future Business Page 120
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: April 11, 2023

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
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. Notice of Intent - 18041 69th Terrace North (Resolution 2023-04) [Page 14](#)
- B. Gravity System Rehabilitation for Center Street Corridor – to approve contract [Page 22](#)
- C. Gravity System TV Inspection for Tequesta Country Club – to approve contract [Page 30](#)
- D. 705 Paulina Road – to approve termination and release of utility easement [Page 40](#)
- E. Fixed Asset Disposal – to approve disposal [Page 45](#)
- F. Change Orders to Current Contracts – to approve modifications [Page 46](#)

7. REPORTS

- A. Neighborhood Sewering [Page 59](#)
- B. Legal Counsel's Report [Page 61](#)
- C. Engineer's Report [Page 64](#)
- D. Busch Wildlife Sanctuary [Page 73](#)
- E. Director's Report [Page 74](#)



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: D. Albrey Arrington, Ph.D., Executive Director
DATE: April 14, 2023
SUBJECT: Approval of Meeting Minutes

Attached herewith are the minutes of the Public Hearings and the Regular Meeting of March 16, 2023. As such, the following motion is presented for your consideration:

“THAT THE GOVERNING BOARD approve the minutes of the Public Hearings and Regular Meeting of March 16, 2023 as submitted.”

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

**LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
PUBLIC HEARING – MINUTES
MARCH 16, 2023**

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Rostock called the Public Hearing of March 16, 2023 to order at 6:57 P.M.

2. ROLL CALL

The following Board Members were in attendance:

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

3. TO RECEIVE PUBLIC COMMENTS PERTAINING TO THE LRD RULE CHAPTER 31-10 RATES, FEES AND CHARGES

No comments from the public were received.

4. COMMENTS FROM THE BOARD

No comments from the Board were received.
Motion: Made by Mr. Rockoff, Seconded by Mr. Baker

5. ADJOURNMENT

Chairman Rostock adjourned the Public Hearing at 6:58 P.M.

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY

**LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
PUBLIC HEARING – MINUTES
MARCH 16, 2023**

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Rostock called the Public Hearing of March 16, 2023 to order at 6:58 P.M.

2. ROLL CALL

The following Board Members were in attendance:

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

3. TO RECEIVE PUBLIC COMMENTS PERTAINING TO THE LRD RULE CHAPTER 31-13 REGULATIONS FOR SEWER SYSTEMS

No comments from the public were received.

4. COMMENTS FROM THE BOARD

No comments from the Board were received.
Motion: Made by Mr. Baker, Seconded by Mr. Yerkes

5. ADJOURNMENT

Chairman Rostock adjourned the Public Hearing at 6:59 P.M.

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY

Ref: #06-2023

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
REGULAR MEETING - MINUTES
MARCH 16, 2023

1. CALL TO ORDER

Chairman Rostock called the Regular Meeting of March 16, 2023 to order at 7:00 PM.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance:

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

Staff Members in attendance were Dr. Arrington, Mr. Howard, Ms. Fraraccio, Mr. Pugsley, and Ms. Jones.

Consultants in attendance were Mr. Curtis Shenkman and Mr. Hunter Shenkman.

B. PREVIOUS MEETING MINUTES

The minutes of the Public Hearing and Regular Meeting of February 16, 2023 were presented for approval and the following motion was made:

“THAT THE GOVERNING BOARD approve the minutes of the Public Hearing and Regular Meeting of February 16, 2023 of as submitted.”

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

C. ADDITIONS & DELETIONS TO THE AGENDA

3. COMMENTS FROM THE PUBLIC

No comments from the public were received.

4. STATUS UPDATES

A. LOXAHATCHEE WATERSHED STATUS

Dr Arrington presented on the research and findings from LRD's most recent peer-reviewed publication: Arrington, D.A., R.J. Harris, C.A. Layman, and D.G.E. Gomes. 2023. Leveraging Green Infrastructure for Efficient Treatment of Reclaimed Water. Science of the Total Environment 872: 162232.

B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

5. CONSENT AGENDA

“THAT THE GOVERNING BOARD approve the Consent Agenda of March 16, 2023 as presented.”

MOTION: Made by Mr. Rockoff, Seconded by Mr. Yerkes
Passed unanimously.

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

A. 22-005-00115 General Services - Electrician Services - to approve contract extension

“THAT THE DISTRICT GOVERNING BOARD authorize the first of four 12 month extensions to ITB 22-005-00115 and authorize a unit price adjustment of 5.0% and an amount not to exceed \$150,000.”

B. Purchase Order Extension for Payment Services - to approve contract extension

“THE DISTRICT GOVERNING BOARD authorizes the Executive Director to approve a \$25,000 extension to Purchase Order 23-0117 to First Billing Services, for a revised not to exceed amount of \$75,000 for FY2023.”

C. Purchase Order Extension Bill Printing and Mailing - to approve contract extension

“THE DISTRICT GOVERNING BOARD authorizes the Executive Director to approve a \$25,000 extension to Purchase Order 23-0223 to Arista Information Systems, for a revised not to exceed amount of \$65,000 for FY2023.”

D. Evoqua Water Technologies – to approve contract amendment

Staff have determined no action is needed on this item at this time.

E. Updates to LRD Employee Safety Manual (Safety Policy) – to approve revisions

“THAT THE DISTRICT GOVERNING BOARD ratify and approve the Loxahatchee River Environmental Control District’s Employee Safety Manual, effective March 16, 2023, and authorize the Executive Director to update the Employee Safety Manual from time to time, and periodically present it to the Governing Board for ratification and approval.”

F. Auditor Selection Committee – approval to establish committee

“THAT THE GOVERNING BOARD establishes an Audit Committee whose members include Gordon Boggie (Committee Chair), Steve Rockoff, Daniela Russell, and Matthew Pazanski and whose duration shall be until a satisfactory contract for audit services is successfully negotiated.”

G. Fixed Asset Disposal – to approve disposal

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property asset numbers TE0097-1 and TE0097-2 in accordance with the District’s Disposal of Surplus Tangible Personal Property Policy.”

H. Change Order to Current Contract – Jupiter Inlet Lighthouse Outstanding Natural Area Septic to Sewer Conversion/BLM Contract 140L0619R0043

No action is required by the Board.

6. REGULAR AGENDA

A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

B. LRD Rule Chapter 31-10 Rates, Fees, and Charges

“THAT THE DISTRICT GOVERNING BOARD approve Rule Chapter 31-10 Rates, Fees, and Charges, as revised, with further revision of the Quarterly Service Charges for Sewer Service to increase by 2% on 4/1/2023, 4% on 4/1/2024, and 3% for the following three years, with an effective date of April 1, 2023.”

MOTION: Made by Mr. Yerkes, failed to receive a second

“THAT THE DISTRICT GOVERNING BOARD approve Rule Chapter 31-10 Rates, Fees, and Charges, as revised, with further revision of the Quarterly Service Charges for Sewer Service to increase by 3% on 4/1/2023 and 4% for the following four years, with an effective date of April 1, 2023.”

MOTION: Made by Mr. Baker, failed to receive a second

“THAT THE DISTRICT GOVERNING BOARD approve Rule Chapter 31-10 Rates, Fees, and Charges, as revised, with further revision of the Quarterly Service Charges for Sewer Service to increase to 4%, followed by a 3% increase for the following four years, with an effective date of April 1, 2023.”

MOTION: Made by Mr. Rockoff, Seconded by Mr. Baker,
Motion failed 2/2.

“THAT THE DISTRICT GOVERNING BOARD approve Rule Chapter 31-10 Rates, Fees, and Charges, as revised, with further revision of the Quarterly Service Charges for Sewer Service to increase to 4%, followed by a 3% increase for the following four years, with an effective date of April 1, 2023.”

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

C. LRD Rule Chapter 31-13 Regulation of Sewer Use

“THAT THE DISTRICT GOVERNING BOARD approve the revisions to Rule Chapter 31-13, as presented, with an effective date of April 1, 2023.”

MOTION: Made by Mr. Rockoff, Seconded by Mr. Yerkes,
Passed unanimously.

D. Liability and Workers Compensation Insurance

No action was required.

E. Retirement Plan Investment Policy

Information not available for meeting

7. REPORTS

The following reports stood as written.

A. NEIGHBORHOOD SEWERING

B. LEGAL COUNSEL’S REPORT

C. ENGINEER’S REPORTS

D. BUSCH WILDLIFE SANCTUARY

E. DIRECTOR’S REPORT

8. FUTURE BUSINESS

Dr. Arrington reviewed Future Business.

9. COMMENTS FROM THE BOARD

10. ADJOURNMENT

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

“That the regular meeting of March 16, 2023 adjourns at 8:30 PM.”

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY



Loxahatchee River Watershed Status Dry Season River Flows

The health of the Loxahatchee River is closely tied to the amount of river flow, particularly during the dry season. In periods of low flow, saltwater migrates into the segments of the river that were historically bathed in freshwater, and the salt causes harm to the surrounding habitats.


This dry season we have been experiencing “severe drought” conditions according to the US Drought Monitor. And, for the period of January 1 through April 11, 2023 is the driest year in 123 years of rain data measured at Palm Beach airport.

At our meeting we will discuss how these dry conditions are having an effect on the Loxahatchee River and our efforts to encourage actions to provide some relief.



LOXAHATCHEE RIVER DISTRICT'S EXECUTIVE DASHBOARD



		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
Units		% 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
2020 Baseline		34%	8	0.1	3,292	7.2	0	1,183	1	0.3	\$ 35,350,661	100%	90%	91%	-15	7	14.6	2
2021 Baseline		113%	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		81%	12	0.1	395	6.8	0	1,268	3	0.0	\$ 44,372,235	101%	91%	83%	-51	1	22.6	3
	Mar	91%	12	0	241; 0	7.2	0	1,384	0	0	\$ 44,151,634	100%	93%	80%	(59)	0	24.0	2
	Apr	104%	22	1	217; 0	7.1	0	1,296	0	0	\$ 44,230,248	103%	93%	83%	(62)	0	29.3	4
	May	55%	13	0	13; 0	6.5	0	1,312	1	0	\$ 46,067,857	102%	92%	81%	(39)	16	31.8	2
	June	86%	14	0	17; 0	6.6	0	1,249	1	0	\$ 44,902,557	101%	91%	81%	(36)	0	20.6	4
	July	95%	8	0	310; 0	6.2	0	1,245	7	0	\$ 44,247,503	102%	93%	81%	(52)	0	26.9	4
	Aug	88%	10	0	45; 0	6.3	0	1,275	4	0	\$ 45,392,935	101%	92%	84%	(69)	0	32.2	3
	Sept	77%	10	0	11; 0	6.4	0	1,207	13	0	\$ 43,373,290	92%	92%	84%	(87)	0	5.0	4
	Oct	79%	13	0	120; 0	6.9	0	1,101	5	0	\$ 43,464,126	97%	84%	86%	(34)	0	13.8	3
	Nov	53%	9	0	31; 0	7.2	0	1,269	3	0	\$ 45,258,800	103%	83%	87%	(36)	0	17.3	0
	Dec	94%	14	0	3,482; 0	7.1	0	1,342	0	0	\$ 44,024,404	107%	92%	89%	(36)	0	11.8	1
2023	Jan	69%	11	0	51; 0	7.1	0	1,447	9	0	\$ 44,602,531	106%	91%	90%	(23)	0	26.5	1
	Feb	79%	14	0	8; 0	7.2	0	1,334	5	0	\$ 45,825,795	105%	89%	92%	(22)	0	28.9	0
	Mar	94%	13	0	2949; 0	7.1	0	1,324	24	0	\$ 45,242,896	105%	90%	92%	(30)	1	32.7	2
Consecutive Months at Green		1	11	11	0	166	23	151	0	16	162	17	4	14	3	0	3	0
Metric Owner		O'Neill	Pugsley	Dean	Dean	Pugsley	Pugsley	Pugsley	Dean	Horchar	Fraraccio	Fraraccio	Fraraccio	Dean	Dean	Howard	Howard	Howard

Metric	Explanation
Unauthorized Discharges	In March we experienced 7 unauthorized discharges of sewage. Two of the events accounted for 99.4% of the sewage spilled . The largest discharge (2,750 gallons) occurred west of US1 and south of Indiantown Rd and was caused by the failure of a 2-inch pipe feeding an air release valve. The other meaningful discharge (180 gallons) occurred along Central Blvd and was caused by the failure of an air release valve seat. See Kris' report for more information.
IQ Water Delivery	On 15 days in March we did not provide the full allocation to Jupiter Hills due to issues with the IQ Water booster pump (this issue has been resolved). On one day, due to a power glitch, we failed to deliver the full allocation to Admirals Cove. Also, beginning March 24, due to regional drought conditions, we reduced IQ Water deliveries by 25% to all 4 golf courses with a curtailable agreement.
MFL Violations	The MFL was violated on 1 day due to the 20 day rolling average salinity at River Mile 9.1 exceeding 2.0 ppt. Flows over Lainhart Dam were < 35 cfs for 9 days in March. This dashboard metric worsened as we entered into April. Fortunately, as of April 12, we are now experiencing meaningful rainfall, which should improve regional water levels and flows.
Fecal Coliform Bacteria	High fecal coliform bacteria (>200 cfu/100 ml) were observed at Stations 65 (NW Fork at Kitching Creek mouth) and 100 (NW Fork at Cypress Creek mouth). See Bud's report for additional details.



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: Administration Staff
DATE: March 11, 2023
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. Notice of Intent - 18041 69th Terrace North (Resolution 2023-04)
- B. Gravity System Rehabilitation for Center Street Corridor – to approve contract
- C. Gravity System TV Inspection for Tequesta Country Club – to approve contract
- D. 705 Paulina Road – to approve termination and release of utility easement
- E. Fixed Asset Disposal – to approve disposal
- F. 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 April 20, 2023 as presented.”

Signed

D. Albrey Arrington, Ph.D.
Executive Director

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Water Reclamation – Environmental Education – River Restoration

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

**Hunter C.
SHENKMAN**
Attorney

CURTIS SHENKMAN, P.A.
ATTORNEY & COUNSELOR AT LAW
4400 PGA BLVD, SUITE 300
PALM BEACH GARDENS, FL 33410
CURTIS@PALMBEACHLAWYER.LAW

LEGAL ASSISTANTS
JUDY MONTEIRO
DENISE B. PAOLUCCI
CAROLINA INMAN

Sent April 12, 2023 by email

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

Re: Initial Resolution for 18041 69th Terrace North Assessment Area

Dear Dr. Arrington:

Per your request, please attach to this letter the Pending Lien Notice, Notice of Intent to Assess, Resolution 2023-04, the PROPOSED "Exhibit B Description of Improvements", "Exhibit B Map of the "18041 69th Terrace North Assessment Area", and preliminary List of Property Owners.

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

"THAT THE GOVERNING BOARD approve Resolution 2023-04 the NOTICE OF INTENT to Assess, the Pending Lien Notice, and the Exhibits for the 18041 69th Terrace North 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:
Curtis L. Shenkman, Esquire
Curtis Shenkman, P.A.
4400 PGA Blvd, Suite 300
Palm Beach Gardens, Florida 33410

PENDING LIEN NOTICE
18041 69th Terrace North 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 20th day of April, 2023, the information contained herein is true and accurate.

WITNESSES: LOXAHATCHEE RIVER ENVIRONMENTAL
CONTROL DISTRICT

By: _____
D. Albrey Arrington, Ph.D.
EXECUTIVE DIRECTOR
[DISTRICT SEAL]

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this 20th day of April, 2023, 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
18041 69th TERRACE NORTH 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 2002-358, Laws of Florida**, (the “Act”), hereby gives public notice that the District’s Governing Board on the 20th day of April, 2023, passed Resolution **2023-04**, authorizing the construction of certain local sewer improvements as further described in said Resolution **2023-04**, 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 20th day of April, 2023, that the information contained herein is true and accurate.

WITNESSES:

D. Albrey Arrington, Ph.D.
Executive Director

STATE OF FLORIDA
COUNTY OF PALM BEACH

SWORN TO and subscribed before me by means of physical presence this 20th day of April, 2023, 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 2023-04

A RESOLUTION OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT RELATING TO 18041, 69th TERRACE NORTH 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 18041, 69th TERRACE NORTH 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 “18041, 69th TERRACE NORTH” 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 18041, 69th TERRACE NORTH 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 18041, 69th TERRACE NORTH 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 20th DAY OF APRIL, 2023.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

VOTE

DR. MATT H. ROSTOCK

STEPHEN B. ROCKOFF

GORDON M. BOGGIE

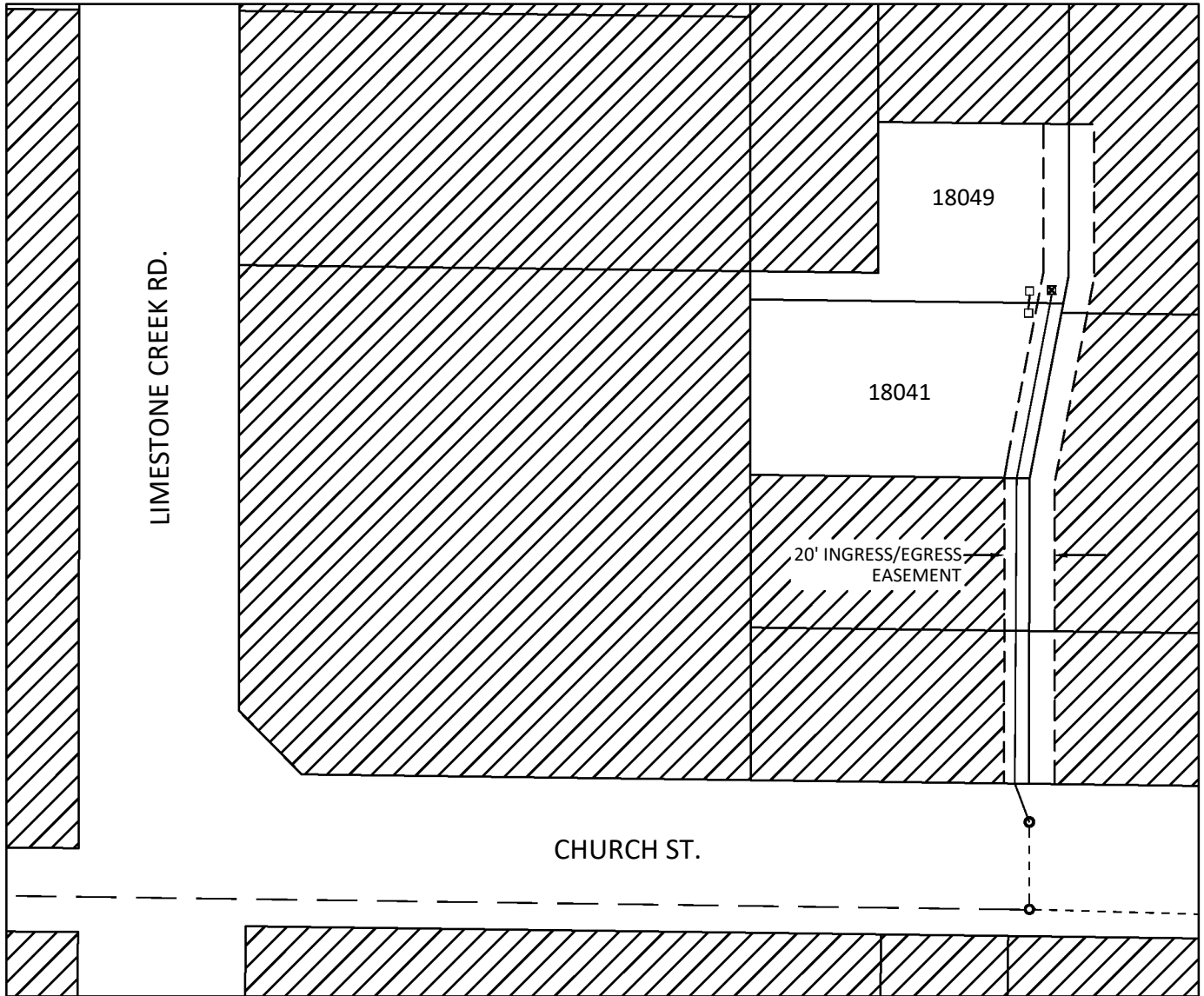
CLINTON R. YERKES

KEVIN L. BAKER

"EXHIBIT B"

18041 69TH TERRACE N.

STATUTORY WAY OF NECESSITY



LEGEND

- — — — — EXISTING 8" PVC FORCE MAIN
- - - - - EXISTING 8" PVC GRAVITY MAIN
- EXISTING MANHOLE
- — — — — PROPOSED 2" LOW PRESSURE MAIN
- □ — NEW LOW PRESSURE SERVICE BOX
- NEW TERMINAL END FLUSHING PORT
- ▨ NOT IN ASSESSMENT AREA

4/11/2022

JUPITER, FLORIDA

18041 / 18049 69TH TER EXH-B

“EXHIBIT B”

PROPOSED SEWER SERVICE ASSESSMENT AREA

18041 69th TERRACE NORTH ASSESSMENT AREA

The property to be provided sewer service is located within Section 00, Township 40 South, Range 42 East, 18041 69th Terrace North, Palm Beach County, Florida and lies in the following general location:

± 330 LF. east from the intersection of Limestone Creek Road and Church Street, on the northside of Church Street.

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

- 1 Service (1 Double Service)
- 1 Low Pressure Pumping Unit
- ± 250 LF. Low Pressure Force Main

Son Shine Builders Group LLC
Attn: Mr. Carlos Ramirez
6755 Wilson Road
West Palm Beach, FL 33413 - 2335
re: 18041 69th Terrace North, Jupiter, FL 33458
00-42-40-34-03-000-0030



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: Kris Dean, P.E., Deputy Executive Director
Courtney Jones, P.E., Director of Engineering
DATE: April 14, 2023
SUBJECT: Authorize Piggy-Back Contract for Main Lining Services

In September 2022 staff were advised that Palm Beach County is scheduled to expand Center Street from 2 to 3 lanes by 2027. The District has gravity systems in and around Center Street. These systems consist of vitrified clay pipe (VCP) gravity mains, previously lined VCP gravity mains and VCP services laterals. The unlined VCP mains and laterals are proposed for rehabilitation under the District's lining program but are not included in the current budget. However, due to the BLM House Renovations (Science Center) not moving forward this fiscal year and unspent funds in the main lining contract for Lift Station 018, 041 and 054 rehabilitation staff have identified available funds this year to move forward with this work.

So, in continued efforts to manage workload and budget compliance, while proactively addressing planned work and coordination with other entities, staff propose to proceed with rehabilitation of the Center Street corridor and surrounding systems.

To complete the first step of gravity system rehabilitation (main lining) staff are proposing to "piggy-back" the City of Clearwater contract 22-0006-UT with Inliner Solutions to install cured-in-place pipe lining for sanitary wastewater infrastructure. Contract pricing and authorization to "piggy-back" documents are attached for reference.

This contract will be used to provide main lining services in Lift Station 11, 12, 14, 27 and 190 as well as other areas.

Staff recommend the following motion:

"THAT THE DISTRICT GOVERNING BOARD authorize the "piggyback" of the City of Clearwater Contract 22-0006-UT with Inliner Solutions for a total amount not to exceed \$1,207,800.46 and a contingency of \$120,000.00"

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



PROPOSAL

DATE: April 13, 2023

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

Attention: Courtney Jones, P.E.

JOB LOCATION: Gravity Sewer Rehab LS 11, 12, 14, 27, 190

We propose hereby to furnish material and labor-complete in accordance with specifications below, for the sum of

One Million Two Hundred Seven Thousand Eight Hundred dollars and Forty-Six cents (\$1,207,800.46)

Payment terms - 100% within thirty (30) days upon completion and acceptance.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications below involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation insurance. Note: This proposal may be withdrawn by us if not accepted within thirty (30) days.

We hereby submit specifications and estimates as follows:

Inliner Solutions, LLC shall supply all equipment, materials and labor to perform the work as follows:

ITEM	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	Mobilization/Demobilization including Traffic Control	1	LS	\$ 3,000.00	\$ 3,000.00
2b	8" Dia. Sanitary Sewer Mains 6.0 mm	24,235	LF	\$ 39.00	\$ 945,165.00
2c	10" Dia. Sanitary Sewer Mains 7.5 mm	3,107	LF	\$ 46.00	\$ 142,922.00
15	Open Cut Service Reconnection (*estimated)	500	EA	\$ 89.00	\$ 44,500.00
19a	Bypass Pump setup with Piping	76	EA	\$ 4.00	\$ 304.00
8a	CCTV pipe inspection - includes light cleaning - 8" - 10" diameter	27,342	LF	\$ 2.63	\$ 71,909.46
				TOTAL	\$1,207,800.46

NOTES:

- 1 Pricing based on pricing contained in contract between Inliner Solutions and City of Clearwater 22-0006-UT
- 2 Inliner to be installed as per ASTM & manufacturer's specifications.
- 3 Payment shall be based on actual field measurements from center of inlet to center of outlet.
- 4 This proposal is subject to Pre-TV inspection indicating the line conditions is acceptable in installation of Inliner
- 5 Price quoted does not include point repairs if required prior to installing Inliner.
- 6 Contractor shall furnish Owner with a Final Inspection (Digital) of the rehabilitated sewer(s)
- 7 Liner thicknesses represent manufactured thicknesses

Signature *Daniel Banken*
Daniel Banken, Area Director

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance _____

Authorized Signature _____



Office
253q Jewett Street
Sanford, FL 32771
www.inliner.com

April 13, 2022

Courtney Marshall, PE
Loxahatchee River District
2500 Jupiter Driver
Jupiter, FL 334458

RE: Clearwater Contract 22-0006-UT

Dear Ms. Marshall,

Please accept this letter as Inliner Solutions consent to utilize our Clearwater Contract 22-0006-UT as a piggyback contract for the work identified as "Lift Station 11, 12, 14, 27, and 190 Service Basins".

Inliner Solutions will complete the identified work in accordance the requirements of the Clearwater contract.

Notwithstanding any else in the Piggyback Contract to the contrary, including but not limited to par. 17.1.1, venue for all disputes shall be in Palm Beach County, Florida.

If you have any questions, do not hesitate to contact us.

Sincerely,

INLINER SOLUTIONS, LLC

A handwritten signature in black ink that reads "Daniel Banken". The signature is written in a cursive, slightly slanted style.

Daniel Banken
Area Director - Florida Operations

6. **Question:** For Section F, Item 5, for replacing the top 2 feet of a cleanout, would this only be down to the tee?
 - a. **Response:** Yes, replacement will stop at the tee.
7. **Question:** For Section F, the specifications call for an Excel format. Generally reports that are submitted for SSES requirements are in XLS, PDF, CSV, KML, and shapefiles. Would the City want reports in additional formats?
 - a. **Response:** Yes. Additional formats are acceptable upon coordination with and approval by City project manager.
8. **Question:** For Section F, is a contractor's license required for this section? This section requires no underground or heavy construction. Smoke testing essentially is a lawn mower engine that forces smoke into the sewer system.
 - a. **Response:** Please refer to Section II of the City of Clearwater's Contract Specifications. These documents must also be submitted with a prequalification application.

2. QUALIFICATION OF BIDDERS

Each prospective Bidder must pre-qualify to demonstrate, to the complete satisfaction of the City of Clearwater, that the Bidder has the necessary facilities, equipment, ability, financial resources and experience to perform the work in a satisfactory manner. An application package for pre-qualification may be obtained by contacting the City of Clearwater, Engineering Department, P.O. Box 4748, Clearwater, Florida 33758-4748 (mailing address); 100 South Myrtle Avenue, Clearwater, Florida 33756-5520 (street address) or by phone at (727) 562-4750. Pre-qualification requirement information is also available on the City of Clearwater Website at address:

www.myclearwater.com/government/city-departments/engineering/construction-management.

Contractors wanting to pre-qualify to bid on a project as a General Contractor must do so two weeks (ten workdays) prior to the bid opening date. Bidders currently pre-qualified by the City do not have to make reapplication. It is the Contractor's responsibility to confirm pre-qualification status before a Bid Opening.

The Contractor shall provide copies of the current Contractor License/Registration with the State of Florida and Pinellas County in the bid response.

Inliner Solutions, LLC 2531
Jewett Ln Sanford, FL 32771

DBE

Y/N

Group A: Sanitary Sewer Trenchless Reconstruction

All bid items, unless otherwise specified, shall be inclusive of furnishing all material and labor for the complete installation of the bid item, inclusive of any necessary removal and disposal. Installation shall be completed in accordance with the specifications. The quantities provided are estimated per year for bidding purposes and may vary based on the actual work throughout the duration of the

General

¹Mobilization shall be per work order as defined by the City. Each work order may include more than one individual project. The unit price for mobilization shall not

Item No.	Description	Units	Quantity	Unit Price	Total Price	
1	Mobilization/Demobilization including Traffic Control ¹	LS/WO	20	\$ 3,000.00	\$ 60,000.00	Original didn't calculate in total (see 91f)
Trenchless Pipe Reconstruction System – CIPP						
2a	6" Dia. Sanitary Sewer Mains 6.0 mm	LF	500	\$ 41.00	\$ 20,500.00	
2b	8" Dia. Sanitary Sewer Mains 6.0 mm	LF	20,000	\$ 39.00	\$ 780,000.00	
2c	10" Dia. Sanitary Sewer Mains 7.5 mm	LF	5,000	\$ 46.00	\$ 230,000.00	
2d	12" Dia. Sanitary Sewer Mains 7.5 mm	LF	1,000	\$ 53.00	\$ 53,000.00	
2e	15" Dia. Sanitary Sewer Mains 9.0 mm	LF	100	\$ 65.00	\$ 6,500.00	
2f	18" Dia. Sanitary Sewer Mains 9.0 mm	LF	2,000	\$ 73.00	\$ 146,000.00	
2g	20" Dia. Sanitary Sewer Mains 12.0 mm	LF	100	\$ 85.00	\$ 8,500.00	
2h	24" Dia. Sanitary Sewer Mains 12.0 mm	LF	3,000	\$ 109.00	\$ 327,000.00	
2i	30" Dia. Sanitary Sewer Mains 16.0 mm	LF	150	\$ 175.00	\$ 26,250.00	
2j	36" Dia. Sanitary Sewer Mains 18.5 mm	LF	50	\$ 356.00	\$ 17,800.00	
CIPP Sectional Repair						
3	6" Dia. Sanitary Sewer Mains					
	0'-10'	EA	5	\$ 3,850.00	\$ 19,250.00	
	10.1'-20'	EA	2	\$ 3,957.00	\$ 7,914.00	
3c	20.1'-30'	EA	2	\$ 4,044.00	\$ 8,088.00	
4	8" Dia. Sanitary Sewer Mains					
4a	0'-10'	EA	5	\$ 3,843.00	\$ 19,215.00	
4b	10.1'-20'	EA	2	\$ 4,316.00	\$ 8,632.00	
4c	20.1'-30'	EA	2	\$ 4,350.00	\$ 8,700.00	
5	10" Dia. Sanitary Sewer Mains					
5a	0'-10'	EA	5	\$ 4,205.00	\$ 21,025.00	
5b	10.1'-20'	EA	2	\$ 4,510.00	\$ 9,020.00	
5c	20.1'-30'	EA	2	\$ 4,747.00	\$ 9,494.00	
6	12" Dia. Sanitary Sewer Mains					
6a	0'-10'	EA	5	\$ 4,216.00	\$ 21,080.00	
6b	10.1'-20'	EA	2	\$ 4,622.00	\$ 9,244.00	
6c	20.1'-30'	EA	2	\$ 4,894.00	\$ 9,788.00	
7	15" Dia. Sanitary Sewer Mains					
7a	0'-10'	EA	5	\$ 4,455.00	\$ 22,275.00	
7b	10.1'-20'	EA	2	\$ 4,965.00	\$ 9,930.00	
7c	20.1'-30'	EA	2	\$ 5,343.00	\$ 10,686.00	
8	18" Dia. Sanitary Sewer Mains					
8a	0'-10'	EA	3	\$ 5,259.00	\$ 15,777.00	
8b	10.1'-20'	EA	1	\$ 6,004.00	\$ 6,004.00	
8c	20.1'-30'	EA	1	\$ 6,452.00	\$ 6,452.00	
9	20" Dia. Sanitary Sewer Mains					
9a	0'-10'	EA	3	\$ 5,662.00	\$ 16,986.00	
9b	10.1'-20'	EA	1	\$ 6,597.00	\$ 6,597.00	
9c	20.1'-30'	EA	1	\$ 7,235.00	\$ 7,235.00	
10	24" Dia. Sanitary Sewer Mains					
10a	0'-10'	EA	3	\$ 5,887.00	\$ 17,661.00	
	10.1'-20'	EA	1	\$ 6,909.00	\$ 6,909.00	
	20.1'-30'	EA	1	\$ 7,635.00	\$ 7,635.00	
11	30" Dia. Sanitary Sewer Mains					

11a	0'-10'	EA	3	\$ 7,967.00	\$ 23,901.00	
	10.1'-20'	EA	1	\$ 9,410.00	\$ 9,410.00	
	20.1'-30'	EA	1	\$ 10,556.00	\$ 10,556.00	
12	36" Dia. Sanitary Sewer Mains					
12a	0'-10'	EA	3	\$ 8,820.00	\$ 26,460.00	
12b	10.1'-20'	EA	1	\$ 11,787.00	\$ 11,787.00	
12c	20.1'-30'	EA	1	\$ 13,350.00	\$ 13,350.00	

Ancillary Services						
	Easement Access, additional					
	≤ 15" Diameter	LF	250	\$ 5.00	\$ 1,250.00	
13b	> 15" Diameter	LF	500	\$ 5.00	\$ 2,500.00	
14	Service Leak Sealing with Pressure Grouting	EA	50	\$ 430.00	\$ 21,500.00	
15	Open Cut Service Reconnection	EA	250	\$ 89.00	\$ 22,250.00	
16	Heavy Cleaning (6 Passes of the Cleaning Head)					
16a	8"-10" Diameter	LF	2,500	\$ 5.00	\$ 12,500.00	
16b	12"-15" Diameter	LF	1,500	\$ 6.00	\$ 9,000.00	
16c	16"-24" Diameter	LF	5,000	\$ 9.00	\$ 45,000.00	
17	Root Removal					
17a	8"-10" Diameter	LF	100	\$ 3.00	\$ 300.00	
17b	12"-15" Diameter	LF	50	\$ 4.00	\$ 200.00	
17c	16"-24" Diameter	LF	25	\$ 7.00	\$ 175.00	
18	Tuberculation Cleaning					
18a	8"-10" Diameter	LF	250	\$ 12.00	\$ 3,000.00	
18b	12"-15" Diameter	LF	250	\$ 12.00	\$ 3,000.00	
18c	16"-24" Diameter	LF	750	\$ 14.00	\$ 10,500.00	
19	Bypass Pump setup with Piping					
19a	8"-12" Diameter	EA	75	\$ 4.00	\$ 300.00	
19b	15"-18" Diameter	EA	25	\$ 13.00	\$ 325.00	
19c	24" Diameter	EA	10	\$ 65.00	\$ 650.00	
20	Miscellaneous Items			\$ -	\$ -	
21	Miscellaneous Markup (10% maximum allowed)			0.075		Original amount \$159,679.58 but did not include full 10% nor did it calculate in the \$60,000.00 from line 14h
TOTAL SECTION A =					\$ 2,189,061.00	Original total \$2,288,740.58 calculated at 7.5% contingency and also did not include mobilization fee of \$60,000.00
B. Sewer Cleaning and Televising Inspection						
All bid items, unless otherwise specified, shall be inclusive of furnishing all material and labor for the complete installation of the bid item, inclusive of any necessary proper removal and disposal. Contractor shall provide disposal receipts (i.e. dump tickets) as part of the work. The quantities provided are estimated per year for bidding purposes and may vary based on the actual work throughout the duration of the contract. The City of Clearwater (City) is not obligated to purchase						
General						
Mobilization shall be per work order as defined by the City. Each work order may include more than one individual project. The unit price for mobilization shall not						
Item No.	Description	Units	Quantity	Unit Price	Total Price	
1a	Mobilization/Demobilization including Traffic ¹	LS/WO	10	\$ 4,000.00	\$ 40,000.00	
Sewer Line Cleaning						
2a	Heavy Cleaning from Right of Way - 8"-10" Diameter	LF	150,000	\$ 5.25	\$ 787,500.00	
2b	Heavy Cleaning from Right of Way - 12"-15" Diameter	LF	25,000	\$ 7.00	\$ 175,000.00	
2c	Heavy Cleaning from Right of Way - 16"-24" Diameter	LF	25,000	\$ 11.00	\$ 275,000.00	
2d	Heavy Cleaning from Right of Way - 30"-36" Diameter	LF	50,000	\$ 27.00	\$ 1,350,000.00	
3a	Root Removal - 8"-10" Diameter	LF	200	\$ 3.00	\$ 600.00	
3b	Root Removal - 12"-15" Diameter	LF	25	\$ 7.00	\$ 175.00	
3c	Root Removal - 16"-24" Diameter	LF	25	\$ 13.00	\$ 325.00	
3d	Root Removal - 30"-36" Diameter	LF	10	\$ 27.00	\$ 270.00	
4a	Heavy Cleaning from Side and/or Rear Easements - 8"-10" Diameter	LF	150,000	\$ 5.00	\$ 750,000.00	
4b	Heavy Cleaning from Side and/or Rear Easements - 12"-15" Diameter	LF	25,000	\$ 7.00	\$ 175,000.00	
4c	Heavy Cleaning from Side and/or Rear Easements - 16"-24" Diameter	LF	25,000	\$ 11.00	\$ 275,000.00	
	Heavy Cleaning from Side and/or Rear Easements - 30"-36" Diameter	LF	50,000	\$ 27.00	\$ 1,350,000.00	

5a	Tuberculation Cleaning - 8"-10" Diameter	LF	200	\$ 6.00	\$ 1,200.00	
	Tuberculation Cleaning - 12"-15" Diameter	LF	200	\$ 8.00	\$ 1,600.00	
	Tuberculation Cleaning - 16"-24" Diameter	LF	200	\$ 11.00	\$ 2,200.00	
5d	Tuberculation Cleaning - 30"-36" Diameter	LF	200	\$ 22.00	\$ 4,400.00	
6	Manhole Clean/Jet-vac	EA	5,000	\$ 170.00	\$ 850,000.00	
CCTV pipe and manhole inspection with PACP/CUES Granite XP compatibility						
7	Mobilization/Demobilization including Traffic ¹	LS/WO	5	\$ 4,000.00	\$ 20,000.00	
8a	CCTV pipe inspection - includes light cleaning - 8"-10" Diameter	LF	750,000	\$ 2.63	\$ 1,972,500.00	
8b	CCTV pipe inspection - includes light cleaning - 12"-15" Diameter	LF	50,000	\$ 3.00	\$ 150,000.00	
8c	CCTV pipe inspection - includes light cleaning - 16"-24" Diameter	LF	25,000	\$ 4.50	\$ 112,500.00	
8d	CCTV pipe inspection - includes light cleaning - 30"-36" Diameter	LF	50,000	\$ 7.00	\$ 350,000.00	
9	Manhole Inspection	EA	100	\$ 130.00	\$ 13,000.00	
10	Smoke Testing	LF	10,000	\$ 1.00	\$ 10,000.00	
11	Dye Testing	LF	5,000	\$ 1.00	\$ 5,000.00	
12	Miscellaneous Items					
13	Miscellaneous Markup (10% maximum allowed)			0.075	\$ -	Original amount \$650,345.25 but did not include full 10%
TOTAL SECTION B =					\$ 8,671,270.00	Original total \$9,321,615.25 calculated at 7.5% contingency



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: Kris Dean, P.E., Deputy Executive Director/Director of Engineering Service
DATE: April 13, 2023
SUBJECT: Authorize Piggy-Back Contract for Gravity Main Cleaning and TV Inspection

The Village of Tequesta notified the District of an upcoming paving project in the Tequesta Country Club. In coordination ahead of the Village's paving project District staff are proposing to perform Gravity Main Cleaning and TV inspection of the systems in this area. This effort will identify any existing deficiencies in the District's system and allow correction prior to the Villages paving project.

To complete this work staff recommend that the District "piggy-back" on a contract awarded by Tohopekaliga Water Authority (TOHO Water Authority) to Atlantic Pipe Services, LLC (IFB No. 20-133) in accordance with their proposal dated March 31, 2023 as attached.

Staff recommend the following motion:

"THAT THE DISTRICT GOVERNING BOARD authorize the "piggyback" of the TOHO Water Authority contract No. 20-133 with Atlantic Pipe Services, Inc. for an amount not to exceed \$92,030.95 and a contingency of \$10,000.00."

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



FLORIDA'S COMMERCIAL PIPELINE CLEANING, INSPECTION AND REHAB SPECIALIST

1420 Martin Luther King Jr Blvd
Sanford, FL 32771
(407) 792-1360
info@atlanticpipe.us

PROPOSAL

0323-0709

CUSTOMER: Loxahatchee River District	PHONE: 561.401.4094	DATE: 3/31/23
STREET: 2500 Jupiter Park Drive	JOB NAME: Tequesta Country Club	
CITY/STATE/ZIP: Jupiter, FL 33458	JOB LOCATION: 317 Fairway N Jupiter FL 33469	
ATTN: Courtney	E-MAIL: courtney.jones@lrcd.org	

[illegible]

ANY UNFORESEEN OR ABNORMAL PIPELINE OR SITE CONDITIONS WILL BE SUBJECT TO RENEOGATIATION WITHOUT PENALTY TO APS



1420 Martin Luther King Jr Blvd
Sanford, FL 32771
(407) 792-1360
info@atlanticpipe.us

FLORIDA'S COMMERCIAL PIPELINE CLEANING, INSPECTION AND REHAB SPECIALIST

PROPOSED RATES MAY CHANGE BASED UPON THE FOLLOWING CONDITIONS:

- 1) Calls Outs of less than 1000 LF of readily available pipeline may be billed at the hourly rate, with a 4 hour minimum. Any time on site beyond the minimum will be billed at the hourly rate
- 2) Emergency Call Outs will be subject to increased rates.
- 3) Heavy Cleaning encountered will be performed at an hourly rate, unless otherwise specified
- 4) Travel Time charges are assessed on a job by job basis
- 5) Atlantic Pipe Services provides, free cloud downloads for videos and reports. Hard Copy Reports with DVD or USB may be purchased at \$75.00 per set.
- 6) Safety Training / Orientation required for projects will be charged at the hourly rate per unit on site
- 7) Due to rising costs of fuel and overall expenses, additional fees must be assessed. These pass-through costs are assessed through daily charges, per piece of equipment on site.

Atlantic Pipe Services is committed to providing the same responsiveness, turn around time and quality of work that our valued customers have become accustomed to. APS has invested in technologies that allow us to be more efficient with operations and save on costs, however the extreme volatility within the fuel market is something we cannot control. This additional charge helps APS cover increased costs, as well as maintain the same level of service.

We propose to hereby furnish the following :

Terms and Conditions Piggybacked from Terms with TOHO Water Authority Contract 20-133.

1420 Martin Luther King Jr Blvd
Sanford, FL 32771
(407) 792-1360
info@atlanticpipe.us

Heavy Cleaning Rates	Heavy Cleaning determined by percentage of debris in pipeline			
	12" Diameter	25.00%	3"	Debris
	15" Diameter	25.00%	4"	Debris
	18" Diameter	20.00%	4"	Debris
	24" Diameter	20.00%	5"	Debris
	30" Diameter	20.00%	6"	Debris
	36" Diameter	20.00%	7"	Debris
	42" Diameter	15.00%	6"	Debris
	48" Diameter	15.00%	7"	Debris
	54" Diameter	10.00%	5"	Debris
	60" Diameter	10.00%	6"	Debris
In the event the required cleaning is beyond normal Heavy Cleaning, the cleaning will be performed under an hourly rate. Subject to prior client notification and approval.				

CUSTOMER RESPONSIBILITIES

- ☒ Local Dump-Site for safe disposal of debris / waste material removed from Project Location
- ☒ Local Metered Water Source
- ☒ Exposure of structures and access to all work areas without delay
- ☒ Stabilized Access to Work Areas - Two Wheel Drive Accessible
- ☐ Access to secure site for equipment storage
- ☒ Maintenance of Traffic - If Applicable

QUALIFICATIONS

Delays experienced outside of APS's direct control will be subject to an hourly charge for each unit on site

Weekend and Night Work may be subject to increase rates

Any unforeseen or abnormal pipe / site conditions will be subject to renegotiation without penalty to APS

Payment terms are NET 30 days of invoice date. APS does not agree to "Pay when paid" terms

APS Proposals are valid for 30 days from date of submission.

ATLANTIC PIPE SERVICES, LLC			
PRINT NAME / TITLE	Brandon Duncan - MGR	DATE	3/31/23
SIGNATURE	Brandon Duncan <small>Digitally signed by Brandon Duncan Date: 2023.03.31 14:45:28 -04'00'</small>		

Acceptance of Proposal : The above prices, specifications and conditions are satisfactory and are hereby accepted.
You are authorized to perform the work specified. Payment will be made as outlined.

CUSTOMER			
PRINT NAME / TITLE		DATE	
SIGNATURE			

ATLANTIC PIPE SERVICES, LLC

STANDARD TERMS & CONDITIONS OF BUSINESS

COMPANY: Atlantic Pipe Services, LLC, a Florida Limited Liability Company, whose address 1420 Martin Luther King Jr. Blvd, Sanford, Florida, 32771 (Hereinafter referred to as "APS")

CUSTOMER: Any corporation, company, organization, agent or individual entering into a written agreement with APS for the provision of services or materials or any other business dealing, for which payment is agreed with or becomes due and payable to APS (hereinafter referred to as "Customer")

PROPOSAL & QUOTATION: All proposals or quotations provided by APS must be in writing and signed by an authorized representative of the company to be valid and any such proposal or quotation is valid for acceptance within 30 days of the respective proposal date, unless agreed otherwise in writing.

PAYMENT TERMS: Payment of all invoices is due within 30 days from the invoice date, unless terms are agreed otherwise, in writing from APS. Any Dispute or query regarding the invoiced amount must be communicated in writing within 10 days (objection period) from the invoice date and customer will be deemed to have accepted the invoice as delivered and all services / work standards relating thereto, unless objected to in writing within the objection period. Customer agrees that no retainage will held for all services performed.

REMEDIES FOR NON-PAYMENT: All sums not paid when due will bear interest at the rate of 1.5% per month from due date until paid or the maximum legal rate permitted by law, whichever is less. In the event of legal action being deemed necessary to enforce payment, APS shall be entitled to all costs of collection, including a reasonable attorney's fee. In addition, if the customer fails to make payment to APS as herein provided, then APS may stop work without prejudice to any other remedy it may have. The parties further agree that in the event of any controversy arising between them, then in such event, the State Courts of Seminole County, Florida, shall be the forum in which the parties agree to try and have heard any matters of litigation arising out of such controversies.

WARRANTIES: All workmanship and materials are guaranteed against defects in workmanship for a period of one year from the date of substantial completion of the project. This warranty is in lieu of all other warranties, expressed or implied, including any warranties of merchantability of fitness for a particular purpose. APS will not be responsible for damage to its work by other parties or normal wear and tear. Any repair work necessitated by caused damage will be considered as an order for extra work.

INDEPENDENT CONTRACTOR: Both APS and the customer agree that APS will act as an independent contractor in the performance of its duties under this contract. Accordingly, APS shall be responsible for payment of all taxes, including Federal, State, and local taxes arising out of APS's activities, including by way of illustration but not limitation, Federal and State income tax, social security tax, Unemployment Insurance taxes, and any other taxes.

UNFORESEEN OCCURRENCE: In the event that any unforeseen occurrences or conditions are encountered after the work has commenced and which APS judge, at their sole discretion, to significantly affect or may affect the services, the risk involved in providing the services or there being a material change to the proposed or quoted scope of services, APS may a) Immediately cease work without liability to the customer, or b) renegotiate with customer to change the scope of work with price adjustment or change order, or c) Apply downtime /hourly or day rates until occurrence or condition is resolved to the satisfaction of APS.

DOWNTIME/STOPPAGES/ADDITIONAL WORK: In the event that APS is unable to work or encounter stoppages due to circumstances beyond their control or unforeseen circumstances or occurrences, particularly any underground structure problems causing delay or stoppage of work or in the event of any work being required beyond the quoted scope of work, then an hourly or daily rate will be charged, subject to prior customer notification in writing from APS.

PROJECT ESTIMATES: APS may from time to time provide written estimates of projected timescale or hours for a particular project at customer request, however, this in no way binds APS to a final timescale for the services to be provided. The actual hours will be determined by specific site requirements and operational demands, which cannot be wholly determined due to the nature of the services provided by APS.

CUSTOMER PURCHASE ORDERS: In the event that the customer chooses to issue a purchase order, whether verbal or in writing, such purchase order shall be governed by APS Standard Terms & Conditions of Business as detailed herein and any such client agreement cannot change the payment terms under any circumstances unless specifically agreed to in writing APS and such agreement being authorized and signed by the owner or director of APS. In the event of any inconsistency between the APS terms and conditions as detailed herein and the terms of a service order, the APS terms and conditions shall prevail. In any event, settlement of all APS correctly submitted invoices must be made within 30 days from invoice date, irrespective of customer having received payment from their respective customer.

CONTRACT ACCEPTANCE: In the event that the client fails to sign acceptance of an APS proposal or quotation, due to oversight by either or both parties or any other reason and the services are commenced or completed on the clients written or verbal instruction due to emergency, urgency or some other reason, then these terms and conditions will be deemed to have been accepted by the client as if such proposal or quotation had been signed.

CUSTOMER RESPONSIBILITIES: The customer will normally provide the following services, at no cost to APS for the duration of the project, unless agreed otherwise in writing by APS, a) Approved dumpsite and disposal for all materials to be removed from site of work, b) Access and exposure of all structures for APS personnel and equipment without delay, c) All temporary site facilities including suitable storage space for equipment, d) Any special permits and/or licenses, without delay, e) Supply and access to all water required for the project with meter if applicable. f) Work areas prepared and accessible, without delay, to enable the services to be provided, g) Authorized representative of the customer at the site of work, at all times services are being performed and with authority to accept the services as completed and / or hours worked and h) Location and exposure of all manholes in the project area.

Total = 28,037 lf



Kris Dean

From: Brandon Duncan <bduncan@atlanticpipe.us>
Sent: Wednesday, March 31, 2021 1:47 PM
To: Kris Dean
Cc: Joe Jesteadt; Ryan Chernenkoff
Subject: RE: Loxahatchee River District: Upcoming Cleaning and TV Inspection Projects
Attachments: FULLY EXECUTED CONTRACT.pdf

Kris,

We have taken a look at the maps and think that we would be a great fit for this project and your team's needs.

Unfortunately, Toho 19-025 has expired. I have attached here a new contract with TOHO that features similar scope and pricing. We would appreciate the opportunity to assist you under contract #20-133. This contract is new and will be valid for the foreseeable future.

Let me know if you have any questions. We look forward to working with you.

P.S. I may have sent you an email earlier with no context. I tried to cancel it. Please excuse the error.

All the best,



Brandon Duncan
Business Development Manager

Office. 407-792-1360
Mobile. 813-347-3428
1420 Martin Luther King Jr, Blvd
Sanford, FL 32771
www.atlanticpipe.us
bduncan@atlanticpipe.us

Our address has changed! Please update your records accordingly.

NOTICE: This e-mail message is intended to be received only by persons entitled to receive the confidential information it may contain. E-mail messages to clients of Atlantic Pipe Services, LLC may contain information that is confidential and legally privileged. Please do not read, copy, forward, or store this message unless you are an intended recipient of it. If you have received this message in error, please forward it to the sender and delete it completely from your computer system.

From: Kris Dean [mailto:Kris.Dean@lrecd.org]
Sent: Wednesday, March 24, 2021 12:00 PM
To: Brandon Duncan <bduncan@atlanticpipe.us>
Cc: Joe Jesteadt <Joe.Jesteadt@lrecd.org>; Ryan Chernenkoff <ryan.chernenkoff@lrecd.org>
Subject: Loxahatchee River District: Upcoming Cleaning and TV Inspection Projects

Good Morning Brandon

I shared links to maps of 4 of our collection systems, LS018, 41, 50 and 54 (you should receive links under separate emails). As discussed, we are interested in a piggyback opportunity with the TOHO Water Authority bid IFB-19-025.

My contact information is below. Once you have a chance to review please let us know if you would like to proceed.

Thanks

Kris

Kris Dean, P.E.
Deputy Executive Director/Director of Engineering
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, FL 33458
work: 561-401-4024
cell: 561-723-8263
email: kris.dean@lrecd.org

CAUTION: This email originated from outside APS. **DO NOT** click links, open attachments or follow guidance, unless you recognize the sender and are expecting the information or have verified the content is safe.

Kris Dean

From: Kara Fraraccio
Sent: Thursday, April 29, 2021 9:09 AM
To: Kris Dean
Subject: Fwd: ITB-20-133

Please see below.

From: Mursal Mzee <mmzee@tohowater.com>
Sent: Thursday, April 29, 2021, 9:07 AM
To: Hazel Figueroa
Cc: Kara Fraraccio; Roy Sledge
Subject: RE: ITB-20-133

Hello Hazel,

Toho uses solicited agreements from other agencies and therefore has no objection if LRECD would like to use one of own if it fits your requirements.

Thank you

Mursal Mzee
407-9445183

From: Hazel Figueroa <Hazel.Figueroa@lrecd.org>
Sent: Thursday, April 29, 2021 8:53 AM
To: Mursal Mzee <mmzee@tohowater.com>
Cc: Kara Fraraccio <kara.fraraccio@lrecd.org>
Subject: ITB-20-133

Good Morning Mursal,

LRECD is a State of Florida Wastewater /Reclaimed Water facility in South Florida. We have reviewed your Contract # ITB-20-133 / Continuing Gravity Sewer Cleaning and/or Inspection Services with Atlantic Pipe Services, LLC. Does the Tohopekaliga Water Authority allow other state agencies to use their contracts as a "Piggyback"? If you would please advise if your agency allows the use of contracts by other state agencies and, if so, give LRECD specific permission to utilize this contract. Your assistance and response are greatly appreciated.

Should you have any questions, please do not hesitate to contact me.

Thank you and have a great day,

Hazel M. Figueroa, CPPB

Purchasing Agent
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, FL 33458
(561) 401-4026
(561) 743-3027 Fax
Email: hazel.figueroa@lrecd.org



**** WARNING:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. ******



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: D. ALBREY ARRINGTON, Ph.D.
DATE: APRIL 11, 2023
SUBJECT: TERMINATION AND RELEASE OF UTILITY EASEMENT – 705 PAULINA RD

The owner of 705 Paulina Rd, Jupiter, FL, 33477 is requesting all relevant utilities (e.g., AT&T, Comcast Cable, FLP, Jupiter Water, TECO Peoples Gas, Jupiter Stormwater, etc) terminate and release easement rights over a portion of their property. As such, they have drafted the attached "Termination and Release of Utility Easement Rights" document and are seeking our execution to fully release the existing utility easement.

District staff have evaluated this request including the extent and potential sewer utility value of the existing utility easement. Based upon our review, the District will not experience any adverse impacts, now or in the future, if we terminate and release the requested utility easement. Therefore, staff do not oppose terminating and releasing the existing utility easement as proposed.

Therefore, I offer the following motion for your consideration:

"THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute the attached termination and release of utility easement rights for 705 Paulina Rd, Jupiter, FL 33477."

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

Return Signed Document to:

Thomas & Andrea Roth
705 Paulina Road
Jupiter, FL 33477
Tom@RothGroupUSA.com
954-461-8299

TERMINATION AND RELEASE OF UTILITY EASEMENT RIGHTS

THIS TERMINATION AND RELEASE OF UTILITY EASEMENT RIGHTS (this "Agreement") is made, executed and delivered as of this date April 11, 2023, by and between "Utility Company" (See below for checked box) and **Thomas and Andrea Roth "Owners"**, whose address is **705 Paulina Road, Jupiter, FL 33477**.

WITNESSETH:

WHEREAS, that the said Grantor ("Utility Company") for and in consideration of the sum of \$10.00, in hand paid by the said Owner, the receipt whereof is hereby acknowledged, does hereby terminate and release any and all of Grantor's utility provider easement rights for the following described utility easement limits:

That portion of the Utility Easements encumbering portions of Lots 56, 57 and 58, all as established in the plat titled Yacht Club Estates, as recorded in Plat Book 22, Page 56, Public Records of Palm Beach County, Florida, and as further defined in Exhibit A to this "Termination and Release of Utility Easement Rights"

1. **Binding Effect:** The covenants contained in this Termination And Release of Utility Easement Rights are not personal but shall run with the land and shall be binding upon and inure to the benefit of the fee simple title holder of the Property, (**YACHT CLUB ESTATES S 1/2 OF LT 57, S 25 FT OF W 15 FT OF LT 58 & LT 67**) and their respective heirs, personal representatives, transferees, successors or assigns. The Termination And Release of Utility Easement Rights is hereby ratified and confirmed and shall remain in full force and effect.

2. **Counterparts.** This Termination And Release of Utility Easement Rights may be executed in one or more counterparts, each of which shall be deemed to be an original but all of which shall constitute one and the same of the Termination And Release of Utility Easement Rights.

IN WITNESS WHEREOF, this Termination And Release of Utility Easement Rights has been executed on this day 11 of April 2023.

This Agreement shall be binding upon and inure to the benefit of the land that was subject to the Utility Easement,

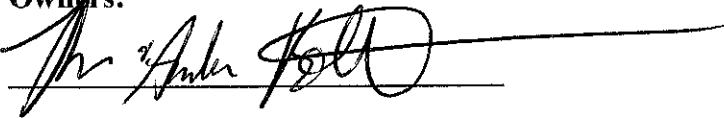
[Signatures begin on following page]

**APPROVED BY THE CITY OF
Jupiter Building Department on April 11, 2023**

Approved as to Form & Sufficiency

Jupiter Engineering Division

Owners:



Thomas & Andrea Roth

“Utility Company”

CHECK BOX BELOW:

- ☐ AT & T
- ☐ Comcast Cable
- ☐ Florida Power & Light
- ☐ Sewer (Loxahatchee River Envir. Control Dist.)

Signature

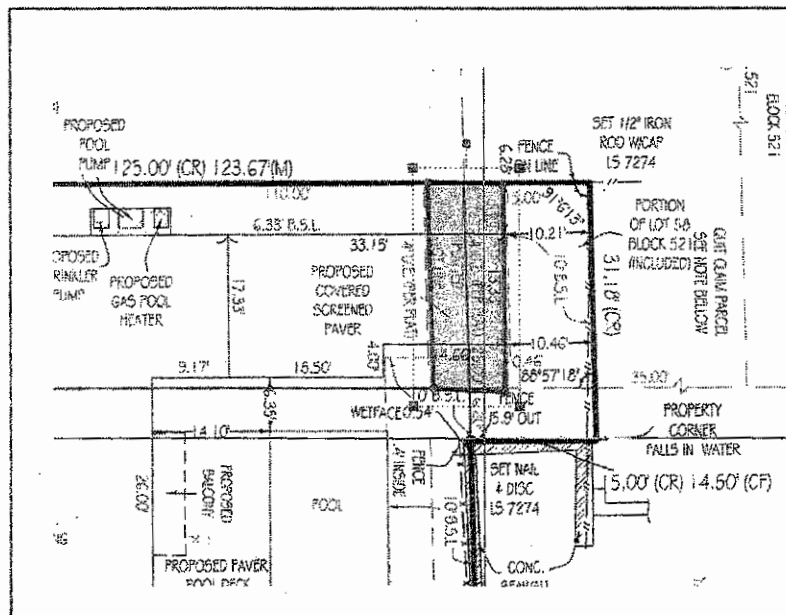
Date

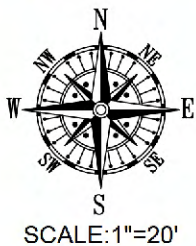
- ☐ Jupiter Water Utility
- ☐ TECO Peoples Gas
- ☐ Jupiter Stormwater Utility
- ☐ MCI
- ☐ Crowncastle
- ☐ Hotwire

Print Name/Title

Exhibit "A"

That portion of the Utility Easements encumbering portions of Lots 56, 57 and 58, all as established in the plat titled Yacht Club Estates, as recorded in Plat Book 22, Page 56, Public Records of Palm Beach County, Florida, and as further defined in drawing below.





TYPE OF SURVEY:

- ☐ BOUNDARY ☒ CONSTRUCTION ☐ CONDOMINIUM
☐ ALTA/NSPS ☒ TOPOGRAPHIC ☐ SPECIAL PURPOSE

PURPOSE OF SURVEY (SEE GENERAL NOTES BELOW):

SITE PLAN

BEARING REFERENCE:

NONE. RECORD INFORMATION RELIANT UPON ANGULAR DATA ONLY.
ALL ANGULAR DATA SHOWN HEREON REFERENCED THERETO.



AERIAL PHOTOGRAPH
(MAY NOT SHOW LATEST IMPROVEMENTS)
(NOT-TO-SCALE)

PROPERTY ADDRESS:
705 PAULINA ROAD, JUPITER, FL. 33477

INVOICE NUMBER: 158616-SE
DATE OF FIELD WORK: 02/21/2023

CERTIFIED TO
THOMAS & ANDREA ROTH

LEGAL DESCRIPTION:
A TRACT OR PARCEL OF LAND LYING IN SECTION 6,
TOWNSHIP 41 SOUTH, RANGE 43 EAST, PALM BEACH
COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
ALL OF LOT 67, LYING EAST OF WEST BOUNDARY LINE OF TRACT 521,
THE SOUTH 1/2 OF LOT 57 AND THE SOUTH 25.0 FEET OF THE WEST 15.0 FEET
OF LOT 58, YACHT CLUB ESTATES, AS RECORDED IN PLAT BOOK 22, PAGE 56,
PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

FLOOD INFORMATION:
ZONE: "A"
ELEV. = 5' (NAVD88)
MAP PANEL #1 2099C0179F
EFFECTIVE DATE: 10/05/2017

LOT 56
BLOCK 521

THE N LINE OF LOT 57, BLOCK 521

THE N LINE OF LOT 58, BLOCK 521

50.00'

REMAINDER
OF LOT 58
BLOCK 521
(NOT INCLUDED)

LOT 59
BLOCK 521

100.00'

THE E LINE OF LOT 58, BLOCK 521

31.18' (CR)

PROPERTY CORNER
FALLS IN WATER

5.00' (CR) 14.50' (CF)

WOOD DOCK

17.7'

1.43' WETFACE

SET 1/2" IRON
ROD W/CA^P
LS 7274

CONC. SEAWALL

43.80' (CR/CF)

8.3'

FENCE 5.9' OUT

SET NAIL & DISC
LS 7274

10' B.S.L.

4' U.E. (PER PLAT)

1.4' INSIDE

FENCE 0.2' INSIDE

88°53'00"

1.1' OUT

6.00'

16.33'

9.00'

8.08'

6.33'

4.10'

26.00'

PROPOSED PAVER POOL DECK

PROPOSED BALCONY

PROPOSED COVERED SCREENED PAVER

PROPOSED GAS POOL HEATER

PROPOSED SPRINKLER PUMP

PROPOSED 3A/C

56.16'

25.00'

25.46'

88°53'47"

WM

FOUND 1/2" IRON ROD 1.33' ±

POINT OF INTERSECTION

95.42' (P)

20.00'

3.33'

11.00'

74.79' (CR)

75.02' (M)

50.00'

25' B.S.L.

PROPOSED PAVER DRIVEWAY

PROPOSED PROPANE TANK

27.34'

7.34'

20.00'

POINT OF INTERSECTION

430.83' (P)

20.2' ASPHALT ROADWAY

40' RIGHT-OF-WAY

SITE BENCHMARK "2"
5" MAG NAIL
ELEV. = 4.05 NAVD 88

SITE BENCHMARK "1"
5" MAG NAIL
ELEV. = 4.11 NAVD 88

"QUIT-CLAIM PARCEL" SHOWN ABOVE IS BASED ON A SIGNED BUT YET TO BE
RECORDED QUIT CLAIM DEED EXECUTED JULY 8, 2022, FROM THE ESTATE OF
ANNA JANE BRANCH, AS REPRESENTED BY JOHN M. MARTYN TO THOMAS E.
ROTH AND ANDREA S. ROTH AS WITNESSED BY NOTARY PUBLIC CYNTHIA R.
FLURER AND PRESENTED TO SURVEYOR.

= DENOTES EXISTING ELEVATION

"CP" = CONTROLLING POINT (POINT OF ROTATION) "HFA" = HELD FOR ALIGNMENT - ALL OTHER MONUMENTATION AND IMPROVEMENTS RELATIVE THERETO

Platted Easements & Notable Conditions (unplatted easements also listed if provided): IF APPLICABLE, RECIPIENTS OF THIS SURVEY SHOULD REVIEW THE POSITION OF ANY FENCE LINES SHOWN AND THEIR RELATIONSHIP TO THE BOUNDARY LINE.

- 4' U.E. ALONG EASTERLY BOUNDARY LINE OF SUBJECT LOT.
- 8' U.E. CROSSES THROUGH EASTERLY SUBJECT LOT.
- SEAWALL EXTEND THROUGH THE EASTERLY EASEMENTS.
- WOOD DOCK CROSSES THE BOUNDARY LINE ON EASTERLY SIDE OF LOT AS SHOWN.
- 7.5' BUILDING SETBACK LINE ALONG NORTHERLY AND SOUTHERLY BOUNDARY LINE OF SUBJECT LOT.
- PROPOSED COVERED SCREENED PAVER CROSSES THE BOUNDARY LINE ON EASTERLY SIDE OF LOT AS SHOWN.
- 25' BUILDING SETBACK LINE ALONG WESTERLY BOUNDARY LINE OF SUBJECT LOT.
- 10' BUILDING SETBACK LINE ALONG EASTERLY BOUNDARY LINE OF SUBJECT LOT.
- B.S.L. DENOTES BUILDING SETBACK LINE - SETBACKS PROVIDED BY CLIENT

This survey has been issued by the
following Landtec Surveying office:
700 West Hillsboro Boulevard, Suite 4-100
Deerfield Beach, FL 33441
Office: (561) 367-3587
Fax: (561) 465-3145
www.Landtecsurvey.com

ABBREVIATION LEGEND (SOME ITEMS IN LEGEND MAY NOT APPEAR ON DRAWING):
A OR AL = ARC LENGTH
C/O = CLEANOUT
CA = CENTRAL ANGLE
CATV = CABLE TV RISER
CF = CALCULATED FROM FIELD
CH = CHORD DISTANCE
CONC. = CONCRETE
CR = CALCULATED FROM RECORD
DE = DRAINAGE EASEMENT
EL OR ELEV. = ELEVATION
P = PLAT
PC = POINT OF CURVE
POC = POINT OF COMPOUND CURVE
PH = POOL HEATER
PI = POINT OF INTERSECTION
POB = POINT OF BEGINNING
POC = POINT OF COMMENCEMENT
PP = POOL PUMP
PT = POINT OF TANGENCY
EV = ELECTRIC METER
F.F.E. = FINISHED FLOOR ELEV.
FIR = FOUND IRON ROD
FND = FOUND
G.F.F. = GARAGE FINISHED FLOOR
L = LEGAL DESCRIPTION
M = MEASURED
OHC = OVER-HEAD CABLE
QTR = QUARTER
R = RADIUS
RNG = RANGE
SEC = SECTION
TR = TELEPHONE RISER
TWP = TOWNSHIP
UE = UTILITY EASEMENT
UP = UTILITY POLE
WM = WATER METER
WV = WATER VALVE

SYMBOLS (SOME ITEMS IN LEGEND MAY NOT APPEAR ON DRAWING - NOT TO SCALE):
= UTILITY POLE
= LIGHT POLE
= CATCH BASIN
= FIRE HYDRANT
= MANHOLE
= WATER VALVE
= WELL
= CENTER LINE
= PARTY WALL
= AIR CONDITIONER
= SEPTIC LID
= ELEV. SHOT
= HANDICAP PARKING SPACE
= SEC. QTR. CORNER
= SECTION CORNER
= SECTION CORNER

LINE TYPES:
BOUNDARY
BUILDING
EASEMENT
CHAIN LINK FENCE
WOOD FENCE
PLASTIC FENCE
OVERHEAD CABLE

GENERAL NOTES:
1. THIS SURVEY IS BASED UPON RECORD INFORMATION PROVIDED BY CLIENT. NO SPECIFIC SEARCH OF THE PUBLIC RECORD HAS BEEN MADE BY THIS OFFICE UNLESS OTHERWISE NOTED.
2. AS INDICATED ABOVE, UNDER "PURPOSE OF SURVEY", IF THIS SURVEY HAS BEEN PREPARED FOR A PURCHASE OR REFINANCE, ITS SCOPE IS LIMITED TO THE DETERMINATION OF TITLE DEFICIENCIES, AND IS NOT INTENDED FOR USE IN DESIGN OR CONSTRUCTION PURPOSES. LANDTEC SURVEYING ASSUMES NO RESPONSIBILITIES FOR ERRORS RESULTING FROM FAILURE TO ADHERE TO THIS CLAUSE.
3. ANY FENCES SHOWN HEREON ARE ILLUSTRATIVE OF THEIR GENERAL POSITION ONLY. FENCE TIES SHOWN ARE TO GENERAL CENTERLINE OF FENCE. THIS OFFICE WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM THE REMOVAL OF, OR CHANGES MADE TO, ANY FENCES UNLESS WE HAVE PROVIDED A SURVEY SPECIFICALLY LOCATING SAID FENCES FOR SUCH PURPOSES. DETERMINATION OF FENCE POSITIONS SHOULD BE BASED SOLELY ON THEIR PHYSICAL RELATIONSHIP TO THE MONUMENTED BOUNDARY LINES.
4. GRAPHIC REPRESENTATIONS MAY HAVE BEEN EXAGGERATED TO MORE CLEARLY ILLUSTRATE MEASURED RELATIONSHIPS - DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED POSITIONS.
5. UNDERGROUND IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT AS SPECIFICALLY SHOWN.
6. ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D. 1929) OR NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 1988) AS SHOWN ABOVE.
7. ALL BOUNDARY AND CONTROL DIMENSIONS SHOWN ARE FIELD MEASURED AND CORRESPOND TO RECORD INFORMATION UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ANY CORNERS SHOWN AS "SET" HAVE EITHER BEEN SET ON THE DATE OF FIELD WORK, OR WILL BE SET WITHIN 2 BUSINESS WEEKS OF SAID DATE AND ARE IDENTIFIED WITH A CAP MARKED LS (LICENSED SURVEYOR) #7274.

Additional Revisions: Topo / Update
Date of Field Work: 02/21/2023
Date of Revision: 02/21/2023

Job Nr: 158616-SE

Date of Field Work: 04/18/2022

Drawn by: O.S.

I HEREBY CERTIFY THAT THIS SURVEY MEETS THE STANDARDS OF PRACTICE AS OUTLINED IN CHAPTER 5J-17.051 & 5J-17.052 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND THAT THE ELECTRONIC SIGNATURE AND SEAL HEREON MEETS PROCEDURES AS SET FORTH IN CHAPTER 5J-17.062, PURSUANT TO SECTION 472.025, FLORIDA STATUTES.

SIGNATURE
PABLO ALVAREZ - PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION NO. 7274 (NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OR THE ELECTRONIC SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER SHOWN ABOVE)

DATE: 3-29-2023

Elevations, if shown:

Benchmark: GPS OBSERVATION

Benchmark Elev.:

Benchmark Datum: NAVD1988

Elevations on Drawing are in:
N.G.V.D.29 | | N.A.V.D.88

Revisions:

03/20/2023 - SITE PLAN UPDATE - E.I.

03/29/2023 - SITE PLAN UPDATE - K.T.

PRINTING INSTRUCTIONS:

WHEN PRINTING THIS PDF IN ADOBE, SELECT "ACTUAL SIZE" TO ENSURE CORRECT SCALING.
DO NOT USE "FIT".

LANDTEC
SURVEYING
and Lien

LICENSED BUSINESS No. 8507



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: April 14, 2023
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 assets were aggregated with other assets or grouped as part of a project when purchased and we therefore do not have individualized asset information on each item, instead a description of each asset is provided. Consistent with state statute and our policies and procedures, I request your authorization to dispose of the items listed below:

<u>Description</u>	<u>Serial Number</u>	<u>Condition</u>	<u>Estimated Value</u>
Barnes Pump	SGVF2022L	Beyond Repair	\$0
Barnes Pump	SGVF2022L	Beyond Repair	\$0
Barnes Pump	SGVF2022L	Beyond Repair	\$0
3HP Flygt Pump	8881096	Beyond Repair	\$0

The items listed in the schedule above are 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 from aggregated assets listed in the schedule above in accordance with the District's Disposal of Surplus Tangible Personal Property Policy.”

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



Change Orders

No Change Orders are presented
for Board consideration this month.



**THIS
PAGE
INTENTIONALLY
LEFT
BLANK**



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: April 14, 2023
Subject: Liability and Workers Compensation Insurance

The District's current Property, General Liability, Automobile Liability, Automobile Physical Damage, and Workers' Compensation insurance policies with Preferred Governmental Insurance Trust (Preferred); Crime insurance policy with Travelers; and Pollution Liability insurance policy with Chubb Insurance expire on April 30, 2023. The total annual premium for these existing policies is currently \$414,731.

Chubb has offered to renew our Pollution Liability insurance at an increase of \$1,056 or 8.05%. Given market conditions, staff believe this renewal quote is a sound option.

Staff updated the District's asset and payroll schedules to reflect our current exposures, and then requested our current insurance broker (Brown & Brown) obtain renewal quotes. When those renewal quotes were received and we understood the magnitude of cost increases, we reached out to three additional insurance brokers (Egis Insurance & Risk Advisors; Florida League of Cities; Patriot Insurance Agency, LLC) to solicit additional insurance quotes from the marketplace to find the best option for the District. Responses received are as follows:

Insurance Provider	Broker	Annual Premium
Preferred Governmental Insurance Trust	Brown & Brown Insurance	\$578,579
Florida Insurance Alliance (FIA)	Egis Insurance & Risk Advisors	\$489,205
Florida Municipal Insurance Trust	Florida League of Cities	No Quote
Open Market	Patriot Insurance Agency, LLC	No Quote

In addition to schedule adjustments made by staff, Preferred increased the District's Total Insured Value by approximately 10%. Preferred indicated this was done to support them offering blanket limits. This across-the-board 10% increase in value was conducted in lieu of obtaining an updated property appraisal on the District's insured property. Our last property appraisal was in March 2020.

Florida Insurance Alliance is not requiring the District to increase insured values for this renewal but will require the District to obtain an appraisal 'in the next 57 couple of years' and adjust values at that time. The difference in Total Insured Value is approximately \$6,109,112 and accounts for approximately \$38,000 (41%) of the premium difference between Preferred and FIA. Florida Insurance Alliance is offering lower deductibles at a more competitive rate; however, the District would be required to change our policy period to October 1-September 30 (currently our policy period

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

is May 1 - April 30). Staff believes the difference in premium is worth this minor change to the District. The pro-rata premium for a five-month policy (May 1 - September 30) would be \$205,077.

Insurance	PGIT Expiring Premium	PGIT Renewal Premium	FIA Renewal Premium	Change (\$)	Change (%)
Property and Inland Marine	\$ 295,696	\$ 452,451	\$ 373,628	\$ 77,932	26.36%
General Liability	32,127	43,105	31,755	(372)	-1.16%
Automobile Liability	11,008	15,355	14,856	3,848	34.96%
Automobile Physical Damage	8,290	11,541	9,286	996	12.01%
Workers' Compensation	51,249	56,127	58,680	7,431	14.50%
Crime			1,000		
Annual Total	\$ 398,370	\$ 578,579[†]	\$ 489,205	\$ 90,835	22.80%
5 Month Pro-rata Total		\$227,860^{††}	\$205,077		

[†]Policy premium reduced to \$567,340 if we opt for an 80% coinsurance option.

^{††} Preferred offered a reduced rate if we were to stay with Preferred for a 5 month period and renew again in October.

FIA is a non-assessable governmental insurance trust that offers tailored insurance solutions to Florida's Special Districts. FIA is organized under FL statutes 768.28(16), 624.4622, and 163.01, which authorizes public entities to become members via a participation agreement. FIA is regulated by Office of Insurance Regulation, which means they must submit financials quarterly, so their financial position is frequently reviewed. FIA provided the District with a copy of their most recent audit report and we found that their balance sheet appears to be sound. Liability risk retained by FIA is fully funded prior to the policy term through member premiums. The remainder of the risk is transferred to reinsurers. All reinsurers FIA uses are AM Best A rated. All FIA's members are named insureds on the reinsurance agreements; therefore, they have direct access should the trust dissolve. FIA's primary reinsurers, Lloyds of London and Hudson Insurance Company, both have AM Best A XV (Excellent) ratings and surplus of \$2 billion or greater. FIA purchases property reinsurance to withstand the 1,000-year storm event, where all losses are passed on to the reinsurers in the event of catastrophic property losses due to a Named Storm (i.e., hurricane).

At this time, I recommend the Board consider the following motion:

“That the District Governing Board authorize the Executive Director to accept and purchase Property, General Liability, Automobile Liability and Physical Damage, Workers’ Compensation, and Crime insurance pursuant to the FIA quote for the policy period May 1, 2023 through September 30, 2023.”

and

“That the District Governing Board authorize the Executive Director to accept and purchase Chubb Insurance’s renewal quote for Pollution Liability insurance for the policy period May 1, 2023 through April 30, 2024.”

Loxahatchee River Environmental Control District

Deductibles	PGIT 2022-23 Policy	FIA 2023-24 Proposal
Property - All Other Perils	\$10,000	\$5,000
Property - Named Storm	5% Subject to a min. of \$25,000	5% Subject to a min. of \$10,000
Property - Flood	\$10,000 Except Flood Zones A & V	\$5,000 Except Flood Zones A & V
Property - Earth Movement	Not Included	\$5,000
Property - Equipment Breakdown / Boiler & Machinery	\$10,000	\$5,000
Property - Inland Marine	\$2,500	\$1,000
Employment Practices Liability	\$15,000	\$0
Public Officials Liability	\$15,000	\$0
General Liability	\$5,000	\$0
Sewer Backup and Water Damage	\$5,000	\$0
Herbicide / Pesticide	\$5,000	\$0
Crime	\$5,000	\$5,000
Cyber Liability	\$10,000	\$0
Auto Liability	\$0	\$0
Comp/Collision Deductible	\$5,000	\$5,000

Property Coverages	PGIT 2022-23 Policy	FIA 2023-24 Proposal
Total Insured Values	Property: \$55,873,999 Inland Marine: \$3,432,171	Property: \$56,348,283 Inland Marine: \$3,432,171
Flood	\$5,000,000* Excess of NFIP for Flood Zones A and V	Full Property Value Excess of NFIP for Flood Zones A and V
Earth Movement	Not Included	Full Property Value
Loss of Business Income	\$500,000	\$1,000,000
Additional Expense	\$1,000,000	\$1,000,000
Expediting Expenses	\$5,000	\$250,000
Accounts Receivable	\$500,000	\$500,000
Fire Dept Service Charges	\$25,000	\$50,000
Property in Transit	\$250,000	\$1,000,000
Equipment Breakdown / Boiler & Machinery	Included	Included
Debris Removal	Greater of \$250,000 or 25%	Greater of \$250,000 or 25%
Polution Cleanup Expense	\$50,000	\$50,000
Terrorism - TRIA	Not Included	Included

*TIV based on the updated SOV provided. Original policy shows lower values

Liability Coverages	Various 2022-23 Policy	FIA 2023-24 Proposal
General Liability - Overall	\$3,000,000	\$3,000,000
General Liability - Medical Payments	N/A	\$5,000
Sewer Backup and Water Damage	\$10,000/\$200,000	\$25,000/\$250,000
Herbicide / Pesticide	\$1,000,000	\$1,000,000
Public Officials Liability	\$1,000,000	\$1,000,000
Employment Practices Liability (EPLI)	\$1,000,000	\$1,000,000
Deadly Weapon Protection	Not Included	\$1,000,000
Non-Monetary Aggregate	\$100,000	\$100,000
Cyber	\$2,000,000	\$1,000,000

Available to be added at an additional premium

Available to be added at an additional premium

Auto Coverages	PGIT 2022-23 Policy	FIA 2023-24 Proposal
Auto Liability	\$3,000,000	\$3,000,000
Auto Medical Payments	\$2,500	\$2,500
Uninsured/Underinsured	\$30,000	\$100,000

Workers' Compensation	PGIT 2022-23 Policy	FIA 2023-24 Proposal
Limit	\$1,000,000/\$1,000,000/\$1,000,000	\$1,000,000/\$1,000,000/\$1,000,000
Premium	\$51,249	\$58,680

*Based on updated payroll for 2023/2024

	PGIT 2022-23 Policy	FIA 2023-24 Proposal
Package Premium	\$350,363	\$430,525
Total Premium: Package + WC	\$401,612	\$489,204.73



FLORIDA INSURANCE ALLIANCE

Risk Services

For Florida's Special Taxing Districts

Our Core Focus

As the state's largest governmental insurance trust serving over 1,000 public entities, Florida Insurance Alliance understands the needs of special taxing districts and the importance of managing their unique risk exposures.

Tailored Solutions:

- Onsite Risk Assessments
- Mock OSHA Visits
- Loss Analysis
- Risk Improvement Action Plans
- Risk Insight and Resource Articles
- Proactive Claims Management
- Virtual and Self-Service Solutions
- eLearning Management Systems
- Onsite Training Programs
- HR Hotline and Resource Portal
- Safety Partners Matching Grant Program

I. Introduction

Florida Insurance Alliance supports our members' risk management needs in a variety of ways, all of which are focused on providing practical solutions to help reduce risk and associated losses. Our focus on public entities has allowed us to cultivate a solid understanding and appreciation of their unique risk exposures and needs that continues to develop with each interaction.

II. Onsite Risk Assessments

Onsite risk assessments serve as the cornerstone of FIA's safety and risk management member services. With an integrated approach, our loss control team works closely with claims administration to direct efforts to the areas that will provide the greatest overall value to members' risk management programs. As part of our collaborative approach, the visits are coordinated with key stakeholders and personnel to ensure that all parties have a sound understanding of exposures and potential controls. Our Loss Control consultants act as an extension of your risk and safety management team, working together to identify and protect your greatest assets, creating a safer environment.

Exposures and controls reviewed within most member locations include:

- Safety program management and employee outreach
- Personal protective equipment
- Job hazard analysis
- Accident investigation and root cause analysis
- Lifting, material handling, and ergonomic evaluations
- Hazard communication
- Prevention and recognition of heat-related illnesses
- Fall protection and ladder safety
- Sidewalks, walking/working surfaces, and associated slip, trip and fall hazards
- Trails, multi-purpose paths, ponds and lakes including effective communication of potential risks such as wildlife



Our visits provide an opportunity to discuss loss trends, current best practices, and to identify and remediate any deficiencies identified during our discussions and review of operations.

As part of the value-added service, a site visit report is developed and delivered to our members and their stakeholders. The report provides a recap of the discussion and observations made during the visit, as well as risk improvement recommendations and supporting materials.

- Contractual risk transfer including contract and maintenance agreement review, contractor selection processes, as well as the appropriate use of insurance certificates
- Property schedule review and verification
- Emergency planning and preparedness
- Park and recreation hazards, liabilities, and controls
- Management of special events
- Employment practices and associated policies and procedures
- Fleet safety management and driver selection best practices
- Property loss exposures and fire protection system adequacy



III. Mock OSHA Visits

The typical mock OSHA inspection begins with a brief opening conference with management to plan the audit. The inspection then continues with a review of OSHA-required written programs, followed by an evaluation of the facility to determine current compliance with relevant workplace standards and hazard controls. This may also include interviews with employees and supervisors to identify training opportunities. Focus areas may include but are not limited to, forklift safety, lockout/tagout, hazard communication, PPE, electrical hazards, emergency preparedness, and slip and fall hazards. Each visit will be followed up with a detailed report of all findings including photos, positive observations and opportunities for improvement along with the appropriate consensus standard or other source for easy reference.

IV. Loss Analysis

We take deep dives into exposures and analyze trends and address what is driving member risks and losses. The integrated approach between our loss control and claims administration teams provides a unique advantage in developing customized solutions that target areas with the greatest opportunity.

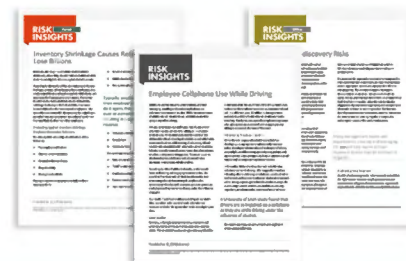
V. Risk Improvement Action Plans

Scalable and sustainable loss control solutions go beyond just on-site assessments. The loss control team works hand in hand with member stakeholders to identify and implement strategic action plans that work toward attainable goals with proven best practices and methods. The plans include peer benchmarking, ongoing involvement in safety and planning meetings, program, and policy development, and more. Knowing that one size doesn't fit all when it comes to risk management, our team works closely with members allows develop customized solutions.

VI. Risk Insights and Resources

We help our members stay abreast of regulatory and legislative changes that may be relevant to their operations while sharing potential solutions and mitigation strategies. These insights may be delivered electronically via email newsletters or bulletins supported by technical articles, case studies, and legal counsel where appropriate.

We provide internally developed risk improvement resources such as signage guidelines, checklists, sample programs, as well as externally developed resources that have been vetted to ensure that members receive the most appropriate information for their needs.



Looking for answers to a specific question? Our team can be here for you online, on the phone, and on site to provide specialized technical expertise to help provide the most effective guidance.

VII. Proactive Claims Management

Our goal is to provide outstanding service while achieving the best possible claim outcome for all parties. We understand that responsive, efficient, and effective claim handling is of the utmost importance – this includes response within 24 hours of claims submittal. The claims team leverages its technical expertise on complex risk management issues including key takeaways and lessons learned from previous litigation and claim outcomes. By addressing claim issues swiftly and creatively, we can ensure members a prompt return to a pre-loss state. We also function as a liaison to assist in the claims handling process when other insured individuals or entities are responsible for member losses.

VIII. Virtual and Self-Service Solutions

Members have access to multiple web-based resources including the Risk Management Center (RMC) which can serve as an intranet for all of their risk management needs. The RMC resources include:

- **Risk Management Library** – policies, procedures, training shorts, training materials posters, quizzes, videos, and links.
- **My Content** – users can create and distribute custom content from both internal resources and content from the Risk Management Library.
- **HR & Benefits Library** – a comprehensive HR library providing best practice guidelines and compliance resources.
- **Tracking** – The RMC provides a platform to track and manage incident reports, certificates of insurance, training, job descriptions, and more.





FIA has also partnered with Global HR Research to provide members with pre-hire services including background screening and Motor Vehicle Record reviews.

IX. Learning Management System

To further support FIA members' loss control efforts, we have partnered with Zywave to provide a comprehensive learning management system that includes over 200 training courses. Training topics and content includes:

- Chemical and Environmental Safety
- Conflict Resolution
- Cybersecurity
- Diversity
- Drugs and Alcohol
- Ergonomics
- Fire Safety
- Hazard Communication
- Defensive Driving
- Fleet Safety Management
- OSHA Compliance
- Personal Protective Equipment
- Transportation Safety
- Workplace Harassment



X. Tailored Training Solutions

Based on client needs, we can assist in the development and delivery of training programs to enhance member's current risk management efforts with a focus on workplace injury prevention and reducing liability exposures. For risks that may require a more specialized approach, we partner with experts in their respective fields to ensure the most value to our members. Training topics include but are not limited to:

- **Active Assailant** – A comprehensive review of nationally recognized response options and proven techniques for active assailant situations.
- **Cyber Liability** – Cyber security awareness training including phishing and social engineering.
- **Accident Investigation and Reporting** – Best practices for reporting and investigating accidents including root cause analysis.

- **Contractual Risk Transfer** – Proper use of certificates of insurance, additional insured status, and contract review.
- **Continuity of Operations Planning** – Guidance on how to manage operations through unforeseen risks.
- **Employee Health and Safety** – Designed to assist employees and management in recognizing and control potential hazards, safety issues, and unsafe work behaviors.
- **Premises Liability** – Assist with implementing best practices and focusing efforts on maintaining a high standard of care for the public and invitees.

XI. Ask the HR Expert

FIA members have access to The Labor & Employment Source which allows them to connect to essential human resources documents, tools, and insights. It serves as a one-stop source for trusted information including:

- On-demand expertise a phone call away from certified HR and benefits consultants, as well as labor attorneys via the HR Hotline.
- HR auditing tools.
- Employee handbook builders.
- Labor posters.



XII. Safety Partners Matching Grant Program



Florida Insurance Alliance has established the “Safety Partners” Matching Grant Program Reimbursement Program. The program is designed to help FIA members fund safety and health program efforts. Grant funds may be used to purchase protective equipment, legal services, training, or any other item or service that will help an FIA member reduce, control or eliminate potential losses or injuries.



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: APRIL 14, 2023
SUBJECT: FISCAL YEAR 2023 – ANNUAL PURCHASE ORDER AUTHORIZATION FOR EVOQUA ODOR CONTRACT PRICING EXTENSION

The amount previously allocated in the District's FY 2023 budget for these contract costs is currently not sufficient to cover the amount of this request. The anticipated budget overages are a result of higher than anticipated chemical cost rate increases and operational changes to the solids odor control system which have improved the treatment performance of the system. The changes include operation of the system at the higher end of the optimum operating range for pH. Operating the system at a higher pH results in increased chemical usage. Staff is confident, however, that there are adequate funds within the District's FY2023 budget to cover the anticipated overage for this contract.

Evoqua Water Technologies, Inc. (Evoqua) supplies the District with chemicals and equipment that assists with odor control and/or corrosion control at our plant site and within the collection system. Evoqua has an executed contract in place with Lee County and previously extended the offer to the District to "piggy-back" the executed Lee County contract for our wastewater odor and corrosion control program. The Lee County contract included an initial three-year period which was effective May 14, 2018 through May 13, 2021 as well as three (3) possible one-year extensions. Lee County recently elected to execute the third of three possible one-year extensions. The Year 3 extension includes increases above the unit cost rates for the previous one-year extension as follows:

- Bioxide: \$3.37/gallon vs. Year 2 of 3 Rate of \$2.69/gallon **(25% increase)**
- 25% Sodium Hydroxide: \$4.89/gallon vs. Year 2 of 3 Rate of \$3.99/gallon **(23% increase)**
- 12% Sodium Hypochlorite: \$4.20/gallon vs. Year 2 of 3 Rate \$2.75/gallon **(53% increase)**
- Master LS Biofilter Lease: \$3,354.00/mo. vs. Year 2 of 3 Rate of \$3,354.00/mo. **(No change)**
- WWTF HW Biofilter Lease: \$4,408.00/mo. vs. Year 2 of 3 Rate of \$4,408.00/mo. **(No change)**

The Year 3 of 3 extension has a term of May 14, 2023, through May 13, 2024. Lee County utilizes a significant amount of chemicals and equipment through Evoqua. As such, the pricing offered under the current contract provides the District with a competitive pricing advantage when compared to the pricing the District would likely receive if we were to bid the items ourselves. The current authorization request is for May 14, 2023, through September 30, 2023 (i.e., to the end of FY2023).

Staff recommends the following motion:

"THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to execute a purchase order to Evoqua Water Technologies, Inc. for the continued supply of odor and corrosion control chemicals and services, in accordance with a "piggy-back" of Lee County contract for the period from May 14, 2023 through September 30, 2023, in an amount Not-to-Exceed \$225,000.00".

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



March 24, 2023

Jason A. Pugsley, P.E.
Loxahatchee River District
2500 Jupiter Park Drive
Jupiter, FL 33458-8964
Email: Jason.pugsley@lrecd.org

**RE: LEE COUNTY CONTRACT – RENEWAL #3
LOXAHATCHEE RIVER DISTRICT**

Dear Mr. Pugsley:

First, let me thank you again for your continued interest in Evoqua Water Technologies and for your confidence in our ability to solve your hydrogen sulfide odor and corrosion control needs.

Evoqua Water Technologies will continue to offer the Lee County Contract Piggyback for the period of May 14, 2023 through May 13, 2024.

Under the Lee County contract, the pricing for the products and services you are currently using are as follows.

Bioxide®:	\$ 3.37 per gallon
Sodium Hydroxide 25%:	\$ 4.89 per gallon
Sodium Hypochlorite:	\$ 4.20 per gallon
Master Lift Station Biofilter:	\$ 3,354.00 per month
WWTF Headworks Biofilter:	\$ 4,408.00 per month

Terms and conditions of the existing Lee County contract shall apply. These prices do not include any applicable taxes.

Thank you again for the opportunity to be of service. We look forward to continuing to serve Loxahatchee River District in the years to come. If you have any questions regarding this information or if I can be of assistance in any way, please do not hesitate to call me at (951) 326-7415.

Sincerely,

Evoqua Water Technologies LLC

Eric Hansen

Eric Hansen
Technical Sales Representative



Neighborhood Sewering Schedule-Revised February 2020

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
11	Jupiter Farms (East)	708		TBD	TBD
11	PB Country Estates	1547		TBD	TBD

* Rank based upon "2010 Septic System Inventory & Assessment"
TBD = To be determined

Remnant Areas

Rank*	Area Description	Lots	Activity	Original Target Date	Revised Target Start Date
	605+607 Military Trl (LP)	2	Notified Owners – June 2020 Notice of Intent – Jan 2021	2022	
	18041 69 th Terrace	1	LRD procedures shared for connection to sewer services Statutory Way Provision – Jan 2022 Notice of Intent April 2023 Under Construction	N/A	2022
	5331 Center Street	1	LRD procedures shared for connection to sewer services Notice of Intent – March 2022 In Permitting	N/A	2022
	Island Way Property	1	Notice of Intent – August 2022 Project in Design	N/A	2022

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
AA	Peninsular Road	4	Private Road Notice of Intent – February 2010 Partial construction complete - June 2013 Soliciting easements for remainder of project	2010	AEO
BB	Rivers Edge Road (Martin Co.)	35	Notified Owners – August 2010 Private Road-Easements Solicited –May 2014 Notice of Intent – February 2014 Project Delayed	2013	AEO
CC	171 st Street (Martin Co.)	7	Private Road - In House Design Owners notified October 2012 Easement rec'd from Church – April 2017 Grant received	2014	AEO
CC	Jamaica Dr	11	Private Road Owners notified Oct 2012 Statutory Way Provision (2) – June 2021	2014	AEO
D	Loggerhead Park <i>(institutional)</i>	6 ECs	Need Easements from County-No database	2014	AEO
DD	Taylor Road	38	Notified Owners – September 2011 Private Roads	2015	AEO
FF	Rolling Hills	50	Notified Owners – Jan. 2013 - Private HOA Notice of Intent to Assess – October 2019 Award of Contract – December 2021 Project Under Construction	2017	2021
FF	North A1A	3	Postponed-Town activities in area No database	2012	AEO
GG	815 S US 1 (Yum Yum Tree)	9 ecs	Notified Owner – November 2014	2016	AEO
GG	Rockinghorse <i>(north of Roebuck Road)</i>	11	Notified Owners – January 2013	2018	AEO
GG	Castle Rd SE	5	Notified Owners – Jan 2013-private road	2018	AEO
GG	Jupiter Rd SE	4	Notified Owners – Jan 2013-private road	2018	AEO
HH	Harbor Rd. S. LPSS	6	Notified Owners – January 2014-private road	2017	AEO
HH	Indian Hills SE	12	Notified Owners – January 2016 Easement for Road & Utilities, No Dedication	2019	AEO
16	Limestone Creek Road West	49	Notified Owners – January 2013-private road	2018	TBD
19	US Coast Guard Station Offices <i>(institutional)</i> PX Commercial <i>(commercial)</i>	2 ECs 2 ECs	US Government - private roads-No database Contract for installation of sanitary sewers – September 2020 Project Under Construction	2019	2021
	109+111 Old Jupiter Beach Road	2	Notified Owners – September 2021 Follow Up Reminder – July 2022 Constr. Plans Complete – Pending Owners		
	182 nd Road North	12	Sewering Pricing Request by 50% of Owners Design/Cost Est. In Progress		

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

CURTIS SHENKMAN, P.A.
4400 PGA BLVD, SUITE 300
PALM BEACH GARDENS, FLORIDA 33410
TELEPHONE (561) 822-3939
Curtis@PalmBeachLawyer.Law

LEGAL ASSISTANTS
REAL ESTATE
JUDY D. MONTEIRO
DENISE B. PAOLUCCI

April 1, 2023

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.

ALL CASES HAVE NO CHANGE IN STATUS SINCE LAST REPORT.

There are no analyses 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

Attachments

OTHER LITIGATION

IN THE CIRCUIT COURT OF THE FIFTEENTH JUDICIAL CIRCUIT, IN AND
FOR PALM BEACH COUNTY, FLORIDA
CASE NO. 50-2019 CA 014447 XXXX MB AB

FRED BEMAN, Plaintiff, vs.
LOXAHATCHEE RIVER DISTRICT,
Defendant.

December 6, 2017. Auto Accident involving District vehicle and vehicle driven by Fred Beman.

April 15, 2020. Summons & Complaint served upon the District.

April 20, 2020. Attorney Lyman Reynolds, appointed be District's Insurance Carrier to Defend the
District under the District's Insurance Policy.

May 4, 2020. District's Motion to Dismiss filed.

July 8, 2020. District's attorney reports Motion to Dismiss not yet set for a hearing.

August 19, 2020. Agreed Order permitting transfer of the case to Martin County Sept

16, 2020. Amended Complaint filed in Martin County

November 16, 2021, Notice of Lack of Prosecution filed in Palm Beach County.

Dec 2, 2021, Summons served on the District; Attorney Reynolds responded with Motion to Dismiss on
December 17, 2021.

January 14, 2022. District's Responses to Plaintiff's Request for Production and Interrogatories was filed.

January 31, 2022. District's Motion to Dismiss denied. District's Answer due by February 20, 2022, being
prepared by Attorney Reynolds.

February 20, 2022, District's Answer Filed.

April 22, 2022, Deposition of Plaintiff

June 21, 2022, Attorney Reynolds indicated projected trial date is December 18, 2023, and provided
confidential information to claims adjuster.

November 1, 2022 Attorney Reynolds office setting Pre Trial MEDIATION in January 2023.

January 13, 2023 Dr. Michael Zeide performs CME on Plaintiff

March 9, 2023 Mediation scheduled for May 23, 2023

Pre-Suit Notice of Claim under FS 768.28 (6)(a)

Dated August 3, 2020, from Attorney for Plaintiff

Donovan Mackey and Dee Mackey, Plaintiff
Vs. LOXAHATCHEE RIVER DISTRICT,
Defendant.

On or about October 2019 sewage back up into 141 Beacon Lane, Jupiter, FL 33469 (Jupiter
Inlet Colony). Plaintiffs claim personal injury from the sewage back up.

August 3, 2020, District notified District's insurance carrier of the claim.

August 18, 2020, Insurance Adjuster for the District assigned the claim.

As of July 11, 2022, No activity since Adjuster assigned the claim

Plaintiff cannot file suit until claim is denied. 768.28 (6)(b).

Statute of Limitations is running on the claim.

NO CHANGE IN STATUS SINCE JULY 2022 REPORT.

LIEN FORECLOSURES

NONE

MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS

NONE



Loxahatchee River Environmental Control District
Monthly Status Report
March 31, 2023

Submitted To: Kris Dean, P.E., Deputy Executive Director

The following is a summary of work performed by Baxter and Woodman, Inc. (B&W), on District projects for the monthly period ending March 31, 2023.

Irrigation Quality 511 (IQ-511) Pump Station Piping Improvements

The following items were ongoing or completed during the last monthly period:

- Final Walk Through was performed on February 7, 2023.
- B&W provided comments to the contractor on the as-built drawings.
- FDEP performed an inspection on February 15 at IQ-511. Our Inspector was onsite to meet the inspectors and no issues were reported.
- Contractor has completed all punch list items except repainting of the electrical building (color selection to be approved) and repair of the fiber line. District obtaining repair quotes for the fiber line.
- Awaiting final permit closeout documents from the contractor.
- Awaiting final pay application submittal from the contractor.

Lift Station Control Panels & RTU Upgrades

The following items were ongoing or completed during the last monthly period:

- All surveys have been received.
- Preparation of the Preliminary Design Report and site plans are underway.

Respectfully Submitted by:

BAXTER & WOODMAN, INC.

Rebecca Travis, P.E.
Executive Vice President / Florida Division Manager

**Loxahatchee River Environmental Control District
CMA Project Status Update
April 5, 2023**

1. Science Center at Jupiter Inlet Lighthouse Outstanding Natural Area (CMA Project # 494.001)

Activities Performed:

- Conceptual Design Memorandum and building layout options were approved by the Board on 10/21/21.
- A coordination meeting was held 11/12/21.
- 90% design, specifications and cost estimate were submitted.
- LRD plan comments were addressed.
- Proposed roof alternative design was submitted to LRD for review (to address comments from SHPO).
- Bid documents were submitted to LRD.
- Comments were received from LRD and meetings/calls conducted to review.
- Final bid documents were submitted to LRD.
- Project advertised for bid (bids due January 10, 2023, anticipated award at January Board meeting).
- Recommendation of bid rejection was presented to the Board on January 19, 2023. Board voted to reject all bids.
- Conducted discussions with LRD staff on possible project adjustments to save costs.
- Project on hold pending cost review.

2. 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. Comments are under review.

500 S. Australian Ave., Suite 850
West Palm Beach, FL 33401
Office: +1 (561) 746-6900



- Site planning memorandum drafted. Holding document submittal for confirmation on some of the key site plan concepts.
3. Professional Cost Estimating Services
- Proposal was submitted for professional cost estimating services to review the current market prices of the Science Center at Jupiter Inlet Lighthouse Outstanding Natural Area.



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

MEMORANDUM

To: Kris Dean, PE, Deputy Director/Director of Engineering, Loxahatchee River Environmental Control District
From: Christine Miranda, PE, Holtz Consulting Engineers, Inc.
Date: April 12, 2023
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 April 12, 2023. **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.**

AWWA Benchmarking

- HCE compiled the data request for the AWWA Benchmarking data and provided it to the District on March 10, 2023. All data was received by the District on March 31, 2023. HCE uploaded all of the required data into the AWWA Benchmarking portal on April 4, 2023.

Electrical System Condition Assessment, Short Circuit, Device Coordination and Arc Flash Study

- The updated plant one line diagram was submitted to the District on March 10, 2023. Comments were received from the District on March 31, 2023. HCE's electrical subconsultant, Hillers Electrical Engineering, is currently addressing the comments. Hillers is also currently working on the condition assessment analysis.

Schedule Update:

The draft technical memorandum for the condition assessment analysis will be submitted to the District for review by May 19, 2023.

Greenhouse Gas Strategies Evaluation

- A meeting was held on March 13, 2023 to review the results of the stress testing. The draft technical memorandum summarizing the results of the chemical feed analysis and flow equalization testing is currently being finalized. The memorandum will be submitted to the District for review and comment by April 21, 2023.

Schedule Update:

All work is currently scheduled to be completed by June 9, 2023.



Lift Station No. 082 Improvements

- The District has received material shipment of parts for Lift Station No. 082 while outstanding permit issues are being addressed. HCE is currently working with the Town of Jupiter and plaza owners to obtain the utility easement and permit to relocate the existing Town of Jupiter water main that is in conflict with the new generator. The Town of Jupiter permit was submitted, and initial comments have been addressed to be resubmitted for final review and approval upon receipt of signed easement.

Schedule Update:

The Contractor is currently working on preparing the change order for the water main relocation, new tie-in location for the force main, and revisions to the generator drawings that include a retaining wall, concrete footer, and aluminum guardrail on the west and north side of the pad. This change order will include the time extension required to complete this work. The current contractual final completion date is April 13, 2023. This will be extended with the change order.

Country Club Drive Force Main Transmission System Preliminary Evaluation

- Comments on the draft technical memorandum were received from the District on March 10, 2023. A meeting was held on March 29, 2023 with District and HCE staff to review the comments. 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

- The District, HCE, and Contractor have finalized the design of the new standard RTU panel based on comments following the Lakeland factory visit. Parts are currently being ordered to build the new panels. The Contractor will be performing modifications to the next set of forty-four (44) existing control panels this month with Change Order #3 for additional work approved by HCE and the District and currently being processed by the District. HCE is currently working on addressing any potential right-of-way permits required with Palm Beach County Roadway and North Palm Beach County Improvement District.

Schedule Update: *The Notice to Proceed (NTP) has been issued for August 8, 2022. Substantial completion is 595 days from the NTP, March 25, 2024 and final completion is 660 days from the NTP, May 29, 2024. A change order request for a time extension due to additional work to modify the existing controls panels has been submitted by the Contractor. HCE is currently reviewing and will prepare a change order for the District's consideration and approval.*



Rolling Hills Gravity Sewer System, Lift Station, & Force Main

- HCE has submitted the certification package to the FDEP, and the Rolling Hills sewer system and lift station have been approved by the FDEP to be placed into service. There are still some outstanding minor punch list items, revisions to the record drawings, and the final change order, which are anticipated to be completed by the end of April.

***Schedule Update:** The current final completion date for the project was February 8, 2023. HCE is currently working on the final change order which will include the contract time extension for the new pump delivery and installation, start-up, and close-out of the project.*

Jupiter Inlet Lighthouse Septic to Sewer Conversion

- Throughout the past month, HCE continued their onsite observation of ongoing construction efforts. Change Order #3 was processed for additional unforeseen work associated with the project. The startup of the restroom commercial duplex station was completed. All grinder lift stations for the project have now been successfully started up and are completed. Minor electrical items by the Contractor's subcontractor have been completed, however there are still punch list items which remain to be completed. HCE, the District, and BLM staff have all been adamantly pursuing the Contractor in the completion of this project and all remaining punch list items. Some of the major items remaining are storm water drainage/earthwork and majority of grassing. The Contractor has shown some effort toward completion of these items in the month of April, however, none of the larger items have been officially completed to date. HCE will continue efforts in maintaining a level of communication and pressure on the Contractor through completion of this project within the contractual guidelines.

Schedule Update: Change Order #4 for critical path delays has been processed extending the contract completion date to April 13, 2023. Punchlist items still remain to be completed. HCE and the District are actively attempting to get the Contractor to complete all remaining work as quickly as possible.

Deep Injection Well Replacement Cost Study

- A meeting is scheduled was held on March 14, 2023 to discuss the review comments so the technical memorandum can be finalized. Based on the discussions held at the meeting, an additional alternative will be analyzed. HCE is currently working on completing the analysis and addressing the comments.

Schedule Update: The final technical memorandum is anticipated to be submitted to the District by May 12, 2023.

Injection Well Pump Manual Transfer Switch Addition

- HCE's electrical subconsultant, Hillers Electrical Engineering, has reviewed all submittals and they have been returned to the Contractor. The Contractor is currently on site working towards project completion.



Schedule Update: *Change Order #2 for the changes for the equipment rack installation and wind load calculations extended the contract date. The new substantial completion date is April 15, 2023 and final completion date is April 30, 2023.*

Lift Station No. 050 Emergency Generator

- The draft layout for the new generator was submitted to the District on April 3, 2023. Comments were received from the District on April 5, 2023. HCE is currently working on addressing the comments provided by the District.

Schedule Update: *The 90% plans and specifications will be submitted to the District for review by May 18, 2023.*

Bulk Sodium Hypochlorite Conversion Study

- *Work is underway for the project. The first deliverable to be submitted to the District will be the technical memorandum.*

Schedule Update: *The draft technical memorandum will be submitted to the District by June 8, 2023 and final technical memorandum will be submitted by July 6, 2023.*

Emergency Response ESRI Collection Tool & Synovia Vehicle Tracking Assistance

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

April 6, 2023

Mr. Kris Dean, P.E.
Deputy Executive Director/Director of Engineering
Loxahatchee River Environmental Control District
2500 Jupiter Park Drive
Jupiter, FL 33458

Ref. No. C0089.40
Subject: Loxahatchee River Subaqueous Forcemain Replacement PO No. 22-0911

Dear Kris:

Below is our Monthly Update for March 2023.

- 95% Progress Construction Drawing and Specifications submitted for District staff review. Comments received.
- Ongoing Coordination with Town of Jupiter Regarding the Potential of Obtaining an Easement for the proposed pipe alignment.
- Ongoing Permit Coordination.
 - ***DEP – Individual Environmental Resource Permit (ERP) - Permit application has been submitted as of the week of April 3, 2023. ***This permit was not originally intended to be obtained for this project. A new review at the DEP has determine that the DEP ERP is required for this project as DEP has deemed it to be located within an Aquatic Preserve.
 - ACOE Permit -Submitted. Notified by ACOE that a ACOE 408 Permit is required.
 - PBC Health Department – Permit Received/Granted.
 - Town of Jupiter – Permit Approved Pending Preparation and Submission of a Draft Utility Easement Agreement between Town of Jupiter and the District.

Upcoming Activities:

- District to Negotiate Utility Easement Agreement with Town of Jupiter.
- 100% Bid Document submittal.

Kris Dean
April 6, 2023
Page 2 of 2

If you have any questions, please contact me at (561) 683-3113, extension 293.

Sincerely,
MOCK, ROOS & ASSOCIATES, INC.



Garry G. Gruber, P.E.
Senior Vice President

GGG:cge

Copies: John Cairnes
Spencer Schroeder



Busch Wildlife Sanctuary

At Loxahatchee River District

Quarterly Dashboard - 1st Quarter 2023



	Education				Animal Care			Financial Operations			Gift Shop	Volunteers	Safety
	General Public Visitors	Visitors Attending Public Programs	In-reach / Out-reach Program Attendance	Education Net Income	Injured Animals Received / Treated	Animals Released	Average Donation per Animal Admitted	General Donation Income	Grants/Major Donor Income	BWS Net Income	Net Income	Hours Logged	OSHA Recorded Incidents
Benchmark	# of People	# of People	# of People		#	%						#	#
Green	> 25,000	> 3500	> 5500	> \$20,000	< 500	≥30%	≥ \$15.00/Animal	> \$25,000	> \$100,000	≥ \$100,000	> \$10,000	> 2000	0
Yellow	> 20,000	≥ 2500	> 4000	≥ \$10,000	≥ 500	≥25%	< \$15.00/Animal	≥ \$15,000	≥ \$50,000	> \$0.00	≥ \$5,000	≥ 1500	1
Red	< 20,000	< 2500	< 4000	< \$10,000	>1000	<25%	< \$10.00/Animal	< \$15,000	< \$50,000	≤ \$0.00	< \$5,000	< 1500	>2
2022 Qtr Results													
1st Qtr													
2nd Qtr													
3rd Qtr													
4th Qtr													
2023 Qtr Results													
1st Qtr													
2nd Qtr													
3rd Qtr													
4th Qtr													

1st Quarter Onsite Items:

Projects Completed: Landscape clean up & re-mulching throughout Sanctuary

Projects In Progress: Remulching Pineland Nature Trail, maintaining fencing along exhibits, restoring property and removing unused enclosures.

Future Projects: None scheduled at this time

1st Quarter Appearances, Notables, Trainings:

Trainings: All Staff Trainings on ladder safety, hazard communication, electrical safety

Onsite Educational Activities: In addition to 168 onsite programs we provided 37 Tours, 1 VIP Tours, 16 B-day parties, 3 Nightwalks, and 40 Junior Naturalist & Mini Jrs Sessions

Offsite Educational Activities: 23 presentations, 9 Exhibits, 3 Guided Trail Hikes

Other Community Events/Notables: participated in TurtleFest, Natural Areas Fest, Naturescaping, Jupiter Jubilee, and Palm Beach Gradients Public Safety Day

Licensing & Permits: We had our annual USDA inspection. The sanctuary is fully in compliance with all USDA regulations.

Rocky Pines Facilities Build Update: Site and buildings pushed out to early August, 2023 due to FPL equipment delay and amphitheater construction materials. Enclosures are being constructed simultaneously.



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 |



J:\Board\Notebook\Directors Report



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

To: Governing Board
From: Kara Fraraccio, Director of Finance and Administration
Date: April 14, 2023
Subject: Monthly Financial Report

Cash and Investments

Balance as of March 31, 2023

Certificates of Deposit:

Institution	Original Term	Maturity	Rate	Book Value	Monthly Change in Investment	Market Value
TD Bank	9 Months	05/05/23	3.22%	\$ 2,500,000	\$ 6,961	2,552,301
TD Bank	9 Months	05/08/23	3.35%	1,274,425	3,694	1,302,054
Bank United	9 Months	05/16/23	2.13%	1,003,248	1,833	1,016,595
TD Bank	12 Months	08/10/23	3.36%	2,000,000	5,815	2,043,489
Bank United	12 Months	08/16/23	2.42%	1,004,118	2,091	1,019,330
Bank United	12 Months	08/16/23	2.42%	1,004,118	2,091	1,019,330
US Century Bank	13 Months	09/22/23	2.71%	2,500,000	5,842	2,541,360
Bank United	12 Months	11/18/23	4.55%	1,060,577	4,146	1,078,256
Bank United	12 Months	11/22/23	4.59%	1,582,357	6,249	1,608,205
TD Bank	10 Months	12/01/23	5.00%	2,538,250	10,814	2,557,409
Subtotal				\$ 16,467,093	\$ 49,536	\$ 16,738,329
Investment Accounts:						
Synovus - Public Demand			2.75%		\$ 14,231	\$ 4,970,757
Bank United - Public Funds Reserve			4.17%		7,202	2,037,826
Florida Prime - SBA			4.84%		15,334	4,963,196
Subtotal					\$ 36,767	\$ 11,971,779
Checking Account:						
SunTrust-Hybrid Business Account			1.95%		\$ 25,851	\$ 9,055,962
Subtotal					\$ 25,851	\$ 9,055,962
Brokerage Accounts:						
Vanguard GNMA ADM			2.19%	\$ 102,888	\$ 1,995	\$ 91,258
Vanguard Short-Term Treasury			1.54%	1,848,529	27,669	1,796,492
U.S. Treasuries - Due 04/04/23			4.33%	513,717	2,158	519,933
U.S. Treasuries - Due 05/25/23			4.69%	1,231,427	5,299	1,251,510
U.S. Treasuries - Due 06/22/23			4.61%	146,718	694	148,453
U.S. Treasuries - Due 06/27/23			4.73%	498,410	1,063	499,473
U.S. Treasuries - Due 07/05/23			4.71%	3,011,802	2,669	3,014,471
U.S. Treasuries - Due 07/06/23			4.77%	151,397	688	153,088
Charles Schwab Bank Sweep					1	2,148
Subtotal				\$ 7,504,888	\$ 42,236	\$ 7,476,826
Total					\$ 154,390	\$ 45,242,896

Average weighted rate of return on investments is: 3.35%

As of 3/31/23:

3 month Short Term Bond: 4.85%

1 month Federal Fund Rate: 4.83%

Cash position for March 2022 was \$44,151,634. Current Cash position is up by \$1,091,262.

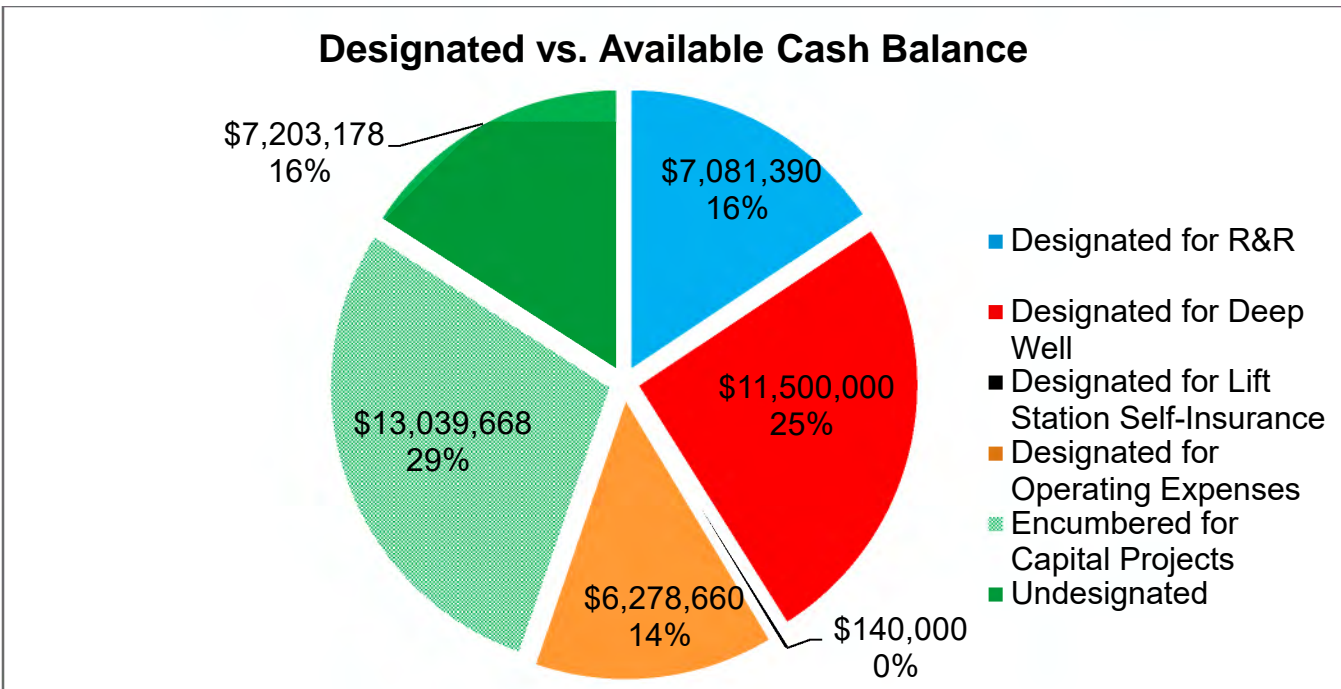
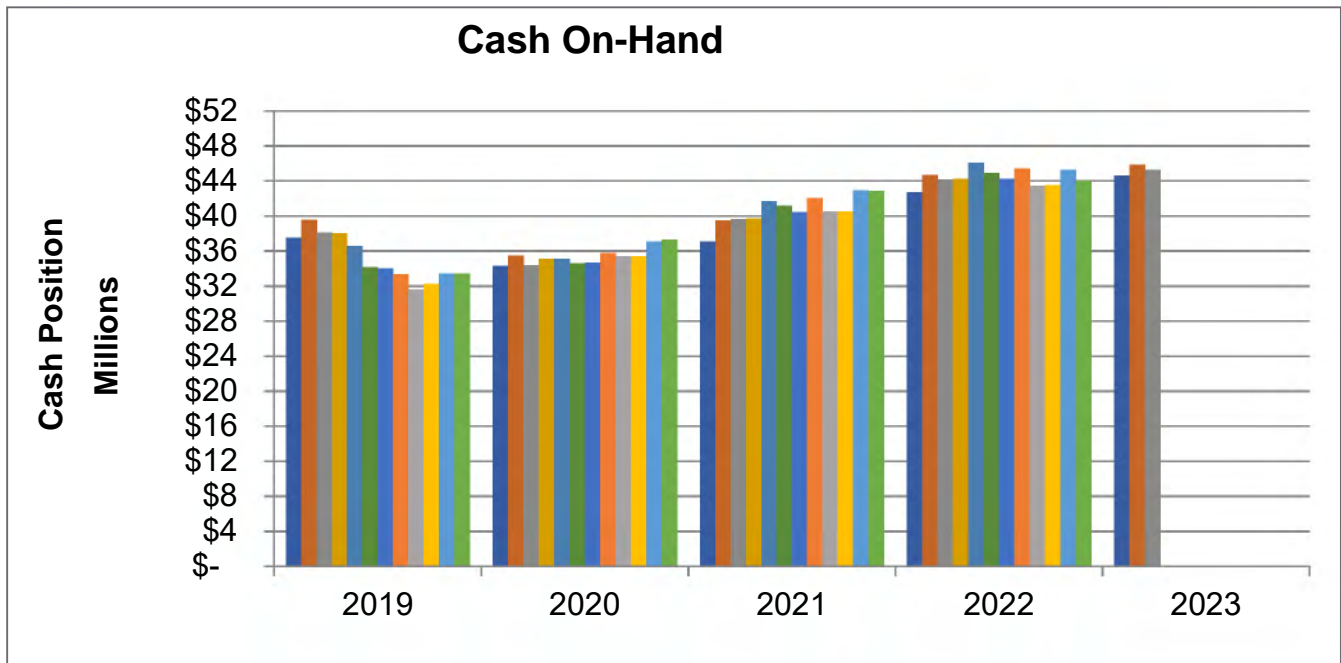
Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



Financial Information

- Legal Fees billed in March were \$160. The fiscal year-to-date total is \$33,705.
- Estoppel fees collected in March totaled \$8,400. The fiscal year-to-date total is \$34,380.
- There was no Septage billing for the month of March.
- Developer's Agreement – There were no new Developer Agreements.
- I.Q. Water Agreements – Abacoa Plaza is past due for March.

Summary of Budget vs. Actual

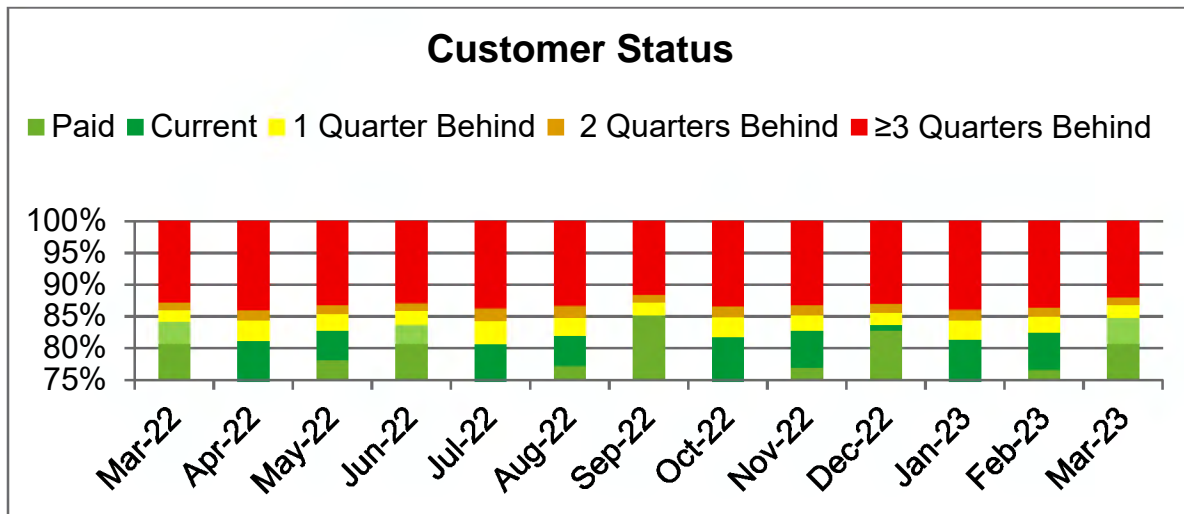
Budget Benchmark
50.00%

	Mar-23 Actual	YTD Actual	FY 23 Budget	Favorable (Unfavorable)	Budget Expended	Mar-22 YTD
Revenues						
Operating Revenues						
Regional Sewer Service	\$ 1,469,546	\$ 8,790,708	\$17,501,000	\$ (8,710,292)	50.23%	\$8,479,457
Standby Sewer Service	9,378	53,730	108,000	(54,270)	49.75%	58,565
IQ Water Charges	194,206	1,166,410	2,352,000	(1,185,590)	49.59%	1,143,825
Admin. and Engineering Fees	5,281	13,877	63,000	(49,123)	22.03%	20,449
Other Revenue	43,623	221,749	516,265	(294,516)	42.95%	256,631
Subtotal Operating Revenues	1,722,034	10,246,474	20,540,265	(10,293,791)	49.88%	9,958,927
Capital Revenues						
Assessments	\$ 25,754	\$ 1,088,479	1,411,000	(322,521)	77.14%	1,084,550
Line Charges	36,500	89,729	465,000	(375,271)	19.30%	95,941
Plant Charges	43,654	197,544	686,000	(488,456)	28.80%	353,702
Capital Contributions	959,625	959,625	140,000	819,625	685.45%	637
Subtotal Capital Revenues	1,065,533	2,335,377	2,702,000	(366,623)	86.43%	1,534,830
Other Revenues						
Grants		5,126		5,126		1,500
Interest Income	170,247	1,169,691	560,700	608,991	208.61%	517,694
Subtotal Other Revenues	170,247	1,174,817	560,700	614,117	209.53%	519,194
Total Revenues	\$ 2,957,814	\$ 13,756,668	\$ 23,802,965	\$ (10,046,297)	57.79%	\$ 12,012,951
Expenses						
Salaries and Wages	\$ 537,844	\$ 3,254,946	\$7,381,800	\$ 4,126,854	44.09%	\$2,885,916
Payroll Taxes	39,276	232,216	530,500	298,284	43.77%	206,262
Retirement Contributions	77,431	460,972	1,107,000	646,028	41.64%	409,186
Employee Health Insurance	143,233	793,706	1,542,500	748,794	51.46%	705,802
Workers Compensation Insurance		29,895	77,800	47,905	38.43%	28,502
General Insurance	2,091	254,796	423,520	168,724	60.16%	380,794
Supplies and Expenses	145,863	596,255	1,105,382	509,127	53.94%	512,112
Utilities	123,701	764,628	1,555,116	790,488	49.17%	615,716
Chemicals	46,673	269,823	634,000	364,177	42.56%	181,033
Repairs and Maintenance	164,527	803,894	1,940,780	1,136,886	41.42%	978,419
Outside Services	188,501	1,010,201	2,312,578	1,302,377	43.68%	999,678
Contingency			225,000	225,000	0.00%	
Subtotal Operating Expenses	1,469,140	8,471,332	18,835,976	10,364,644	44.97%	7,903,420
Capital						
Capital Improvements	\$ 716,000	\$ 2,906,312	12,741,414	9,835,102	22.81%	1,167,732
Subtotal Capital	716,000	2,906,312	12,741,414	9,835,102	22.81%	1,167,732
Total Expenses	\$ 2,185,140	\$ 11,377,644	\$ 31,577,390	\$ 20,199,746	36.03%	\$ 9,071,152
Excess Revenues						
Over (Under) Expenses	\$ 772,674	\$ 2,379,024	\$ (7,774,425)	\$ 10,153,449		\$ 2,941,799

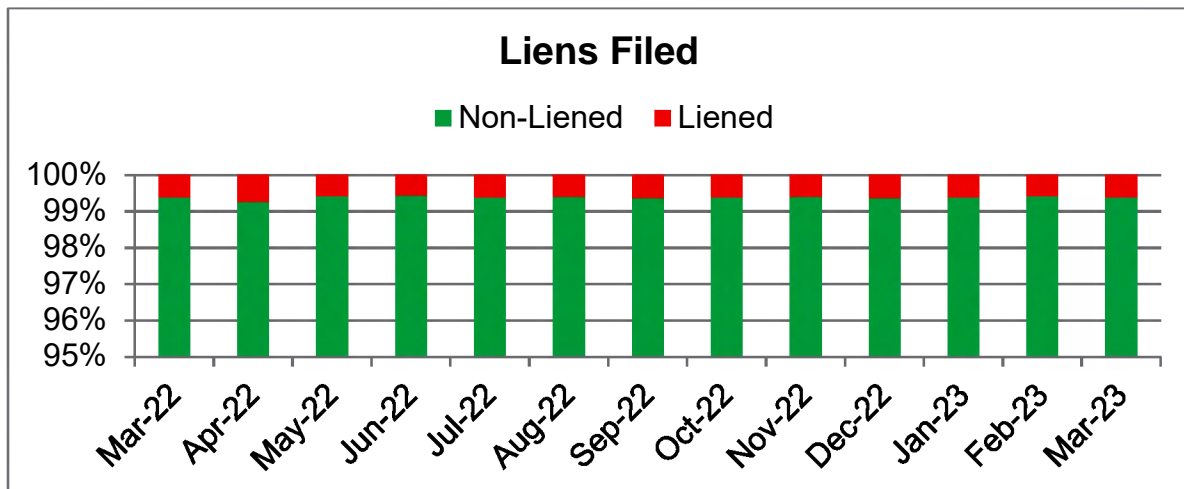
Total Capital expenses incurred and encumbered totalled \$15,562,484 or 122% of the capital budget. This includes funds encumbered in a prior fiscal year for projects that stretch across multiple fiscal years.

Accounts Receivable

The District's first quarter billing was \$4,409,775, of this amount \$3,680,478 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 84.0% billing.



The District serves approximately 33,291 customers. Currently, the District has 208 liens filed which represent approximately 1.0% of our customers.



Pending/Threatened Litigation

- Vehicle Accident – The District received a legal summons related to a vehicle accident involving a District vehicle. This claim is currently being handled through the District's General Liability Insurance provider, PRIA. PRIA has assigned the firm of Roberts, Reynolds, Bedard & Tuzzio, PLLC to represent the District.
- Beacon Lane – The District received a formal notice that a negligence claim is being made on behalf of a resident on Beacon Lane from injuries sustained as a result of septic and sewage over-flow at the property. We notified the District's legal counsel, the project engineers, the contractor, and the District's General Liability Insurance provider, PRIA.
- Turtle Creek Sub-system 2 & 3 – **This matter is resolved.** The paving is complete and has been accepted by Martin County.



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

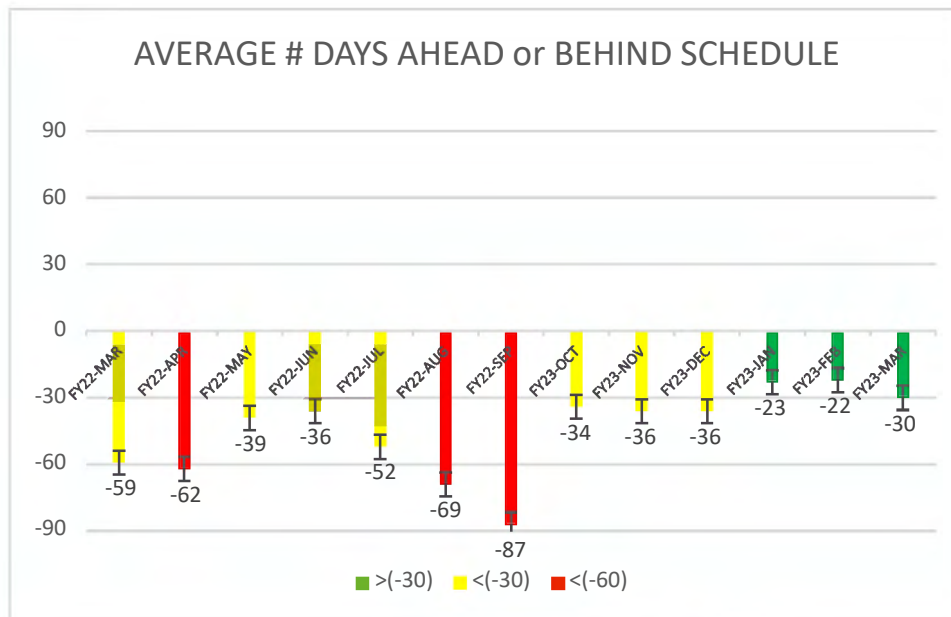
loxahatcheeriver.org

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: April 13, 2023
SUBJECT: Capital Program and Engineering Services Report

Capital Projects

Capital Schedule (FLOAT = -30 Days)



Notable delays to the Capital Program are listed below.

R19011 – Lift Station 082 Conversion – Staff are working with the consultant and contractor to complete the project prior to the end of this fiscal year. See Holtz engineering consultant's report for additional details.

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

N20036 – Improve Operational Flexibility of our IQ System/IQ 511 Piping Modifications

– This project reached substantial completion in January 2023. Staff, consultant and contractor are working to close out the project punch list.

R20023 – Rolling Hills Gravity Sewer System – This project has reached substantial completion. Staff are waiting on the final punch list to be complete and close out documentation.

R21002 – Lift Station 041 Main Lining – The contractor is working through the punchlist. The contractor provided a revised schedule showing punchlist completion in June 2023.

R20036 – Loxahatchee River Subaqueous Crossing Replacement – The current schedule has design, permit and bidding completing in June 2023.

N20019 – Permanent Generator at Headworks – The installation is complete. Staff and the contractor are coordinating start-up.

R23007 – County Line Bridge IQ Main Relocation – The consultant provided a recovery schedule and has submitted permits to agencies.

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

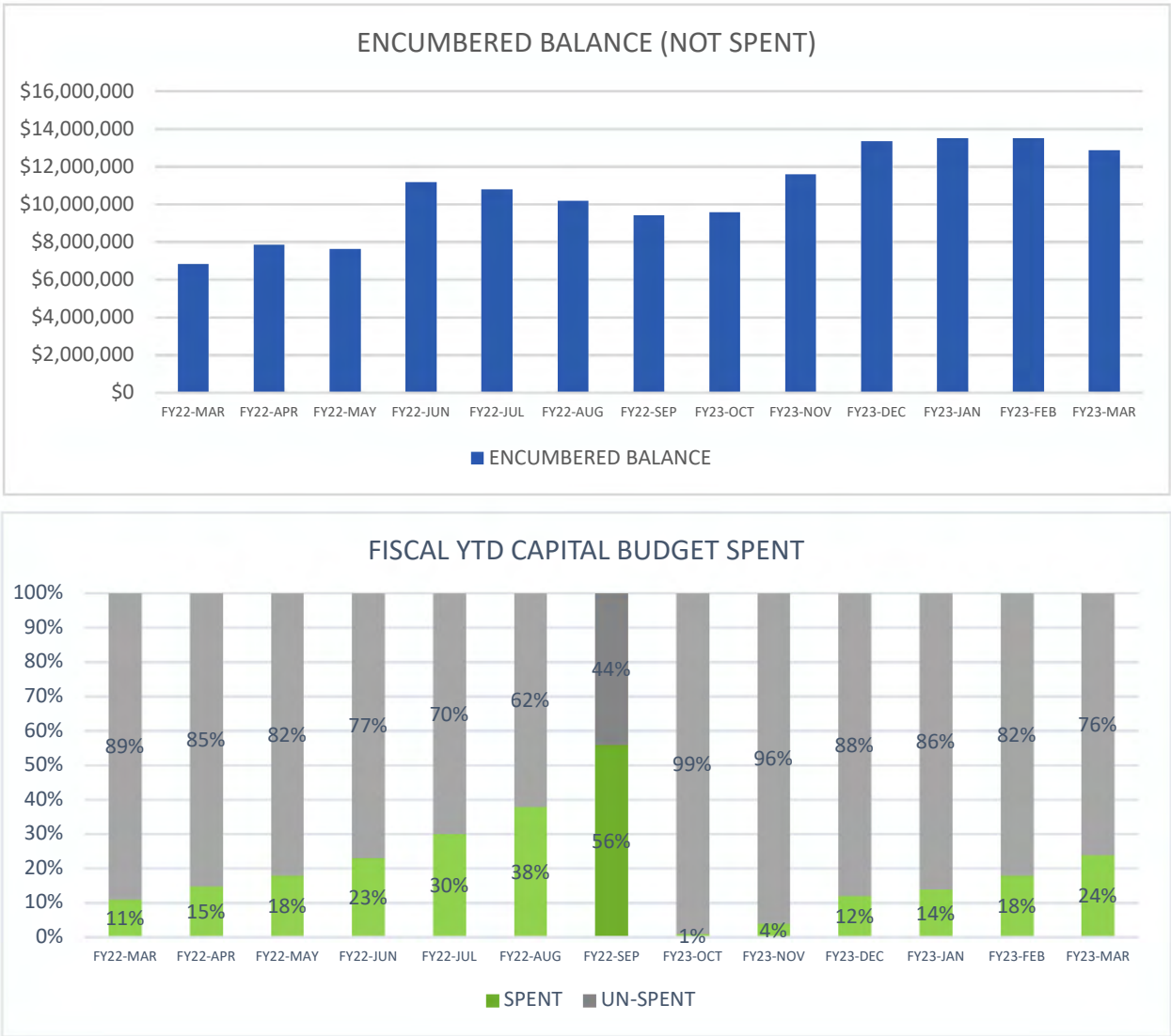
Construction Delays:	55%
Supply Chain Issues:	16%
Design/Permit/Bid:	29%
Late Start:	0%
Planning Contracts:	0%

Construction delays have the largest impact to the negative float (55% from 5 projects total). Staff are working with consultants and contractors to implement recovery schedules with project completions by the end of FY23.

Design/Permit/Bid also have a significant impact to the negative float (29% from 6 projects total). Two projects, both dealing with subaqueous river crossings, are currently impacting negative float. Staff are working with both consultants on recovery schedules.

Capital Budget

Encumbered Balance (unspent encumbered funds) decreased over March 2023.



Project Updates

Science Center and Jupiter Inlet Lighthouse Outstanding Natural Area (aka: BLM House Renovations): Staff are working with the consultant to understand the project costs.

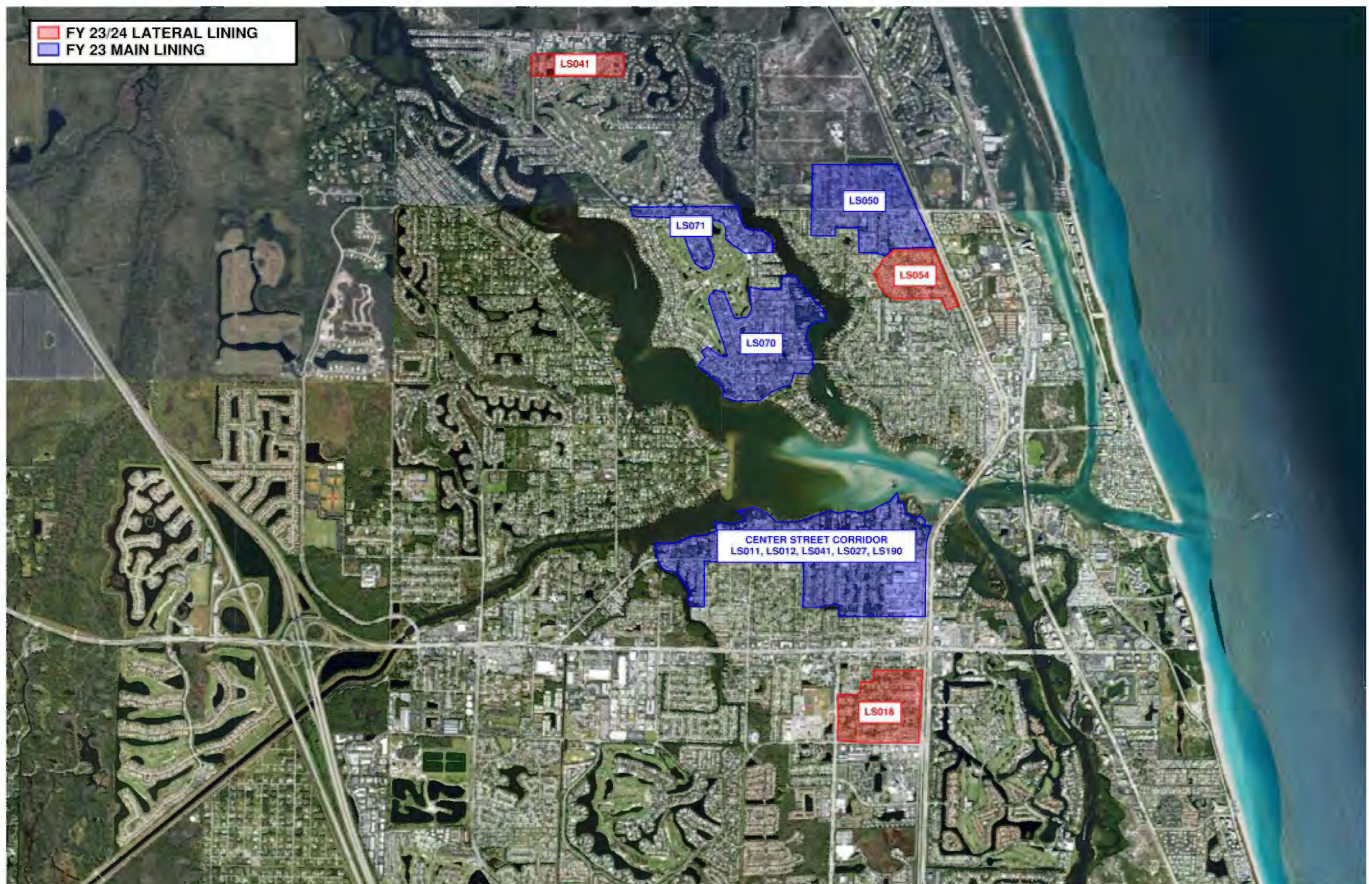
2500 Jupiter Park Drive Site Planning: Since the presentation to the Board in May 2022, staff and the consultant have continued to make progress on the massing study, architectural programming, potential treatment facility footprint and security review. Once these components are complete staff will provide revised site plans for Board discussion and consideration.

20 Acres/9278 Indiantown Road: The consultant is working on a DRAFT proposal to provide professional engineering services for site remediation. Staff anticipate bringing this to the Governing Board in May 2023 for consideration.

20 Acres/9278 Indiantown Road: The consultant is working on a DRAFT proposal to provide professional engineering services for site remediation. Staff anticipate bringing this to the Governing Board in April 2023 for consideration.

In-house Projects

Gravity System Rehabilitation – Cleaning, TV Inspection and Lining:



Main lining work is complete in LS018, LS041, and LS054 systems. Work is substantially complete with punchlist items remaining to reach final completion, now anticipated in June 2023.

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 cleaning and CCTV of the sanitary sewer laterals beginning in LS041 system. Cleaning and CCTV work anticipated to be completed in August 2023 and lateral lining work anticipated to be substantially complete in May 2024. 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 in progress with anticipated substantial completion by the end of April 2023. Main lining work in LS070 and LS071 to follow completion of LS050 main lining.

Staff are currently working with multiple contractors to locate a viable contract to perform lining in LS011, LS012, LS014, LS027 and LS190 collection systems. Staff anticipate bringing this to the Board in April 2023.

Lift Station Rehabilitations General Construction Services:

Lift Station	Inspection	Design	Procurement	Construction
064	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
095	COMPLETE	IN-PROCESS	-----	-----
131	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
174	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
210	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
211	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
233	COMPLETE	COMPLETE	COMPLETE	IN-PROCESS
242	COMPLETE	COMPLETE	IN-PROCESS	-----
266	COMPLETE	COMPLETE	COMPLETE	COMPLETE

Pre-construction meeting was held on March 15, 2023 for LS064, LS131, LS210, LS211, and LS233 Rehabilitations. Material submittals and permitting is currently in-progress. LS174 rehabilitation is anticipated to be completed separately by in-house construction staff.

Neighborhood Sewering/Remnant Properties:

5331 Center St.: Design and permitting are complete for 5331 Center Street. Pricing and material submittals have been coordinated with the Contractor and approved. Staff are coordinating with the Contractor scheduling and MOT approval through PBC. This project includes a single service to be installed in easements coordinated by the property owner.

18041 and 18049 69th Terrace: The property owner at 18041 69th Terrace provided easements and requested staff install sewers to a proposed two-unit residential project. Design and permitting are complete. Staff are coordinating with contractor for scheduling. This project includes a double service to be installed in easements.

18150 SE Wooden Bridge Lane: Design, permitting and construction of the low-pressure service lateral are complete for 18150 SE Wooden Bridge Lane. The project includes a single service to be installed in the right of way. Service is available to the property owner. District staff are coordinating with the property owner regarding requirements for installation of the low-pressure station / connection.

109-111 Old Jupiter Beach Road: Design is complete for 109-111 Old Jupiter Beach Road. 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, but no response has been provided. Project is on hold.

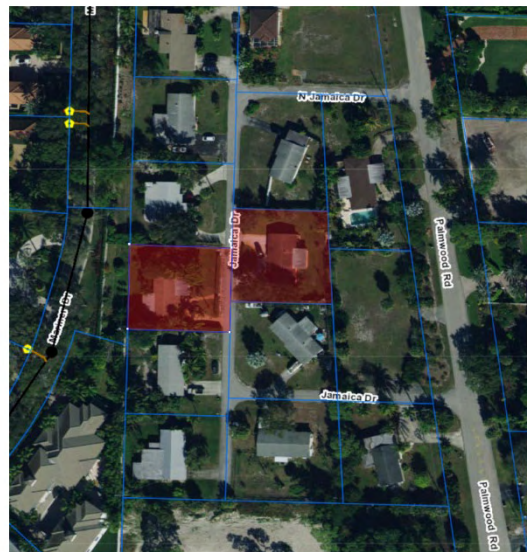
Island Way LPSS: Design is complete and project is in permitting. The project includes two services and low-pressure force main to be installed in the right of way.

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

Statutory Way of Necessity:

Jamaica Drive Low Pressure Sewer: Over the last two years staff have been coordinating with two property owners for utility easements to install sewers to their properties on Jamaica Drive without success. At this time both property owners have determined Statutory Way of Necessity is the preferred option and entered into letter agreements for staff to proceed on their behalf.

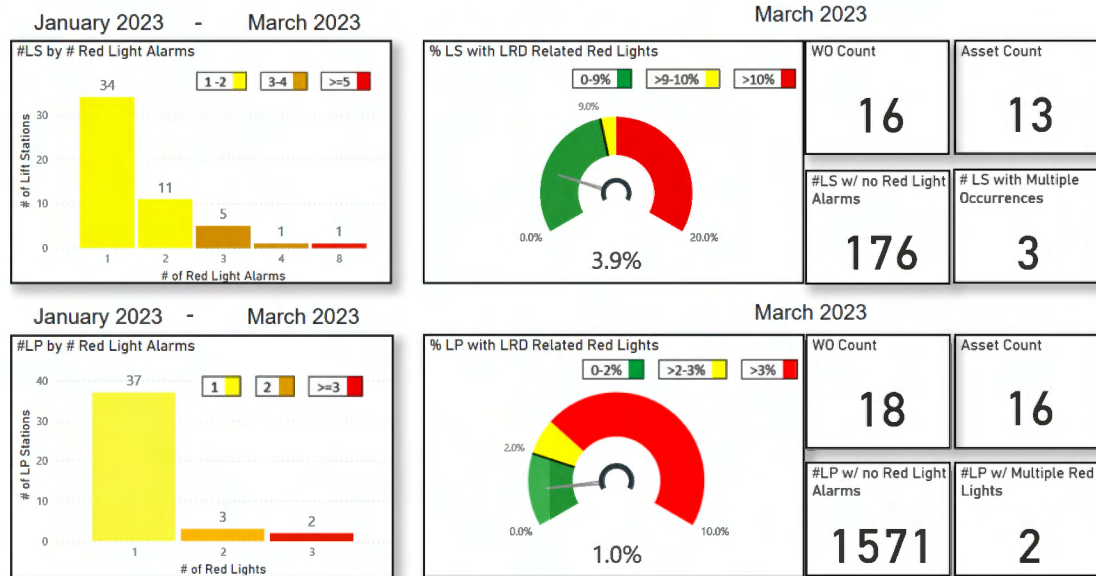
Agreements are in place. Pricing and material submittals have been coordinated with the Contractor and approved. Contractor is scheduled to be on-site starting on April 17, 2023.



COLLECTIONS AND REUSE

Lift Station Red Lights: This month the system experienced 34 total red lights. 16 lift station red lights (with 3 stations experiencing multiple red light events) and 18 low pressure red lights (with 2 stations experiencing multiple red light events).

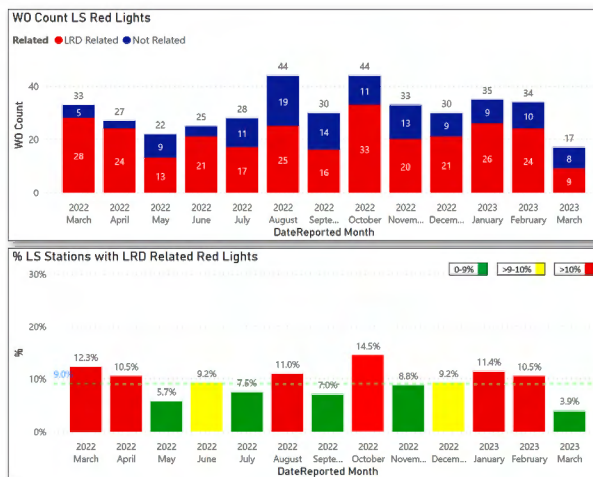
Emergency Call Work Orders Dashboard



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.

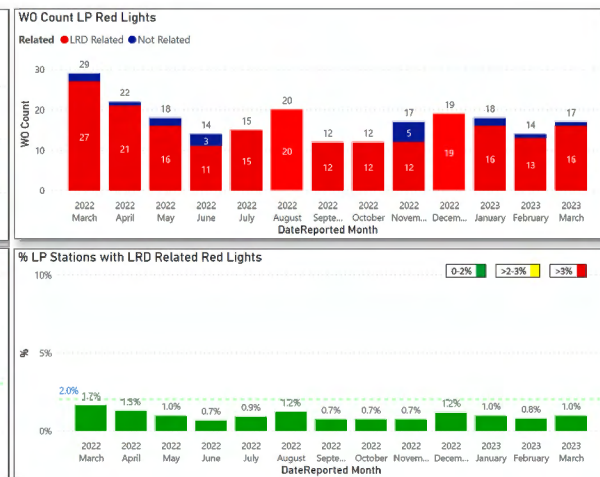
Emergency Call Work Order Lift Station Trend

March 2022 through March 2023



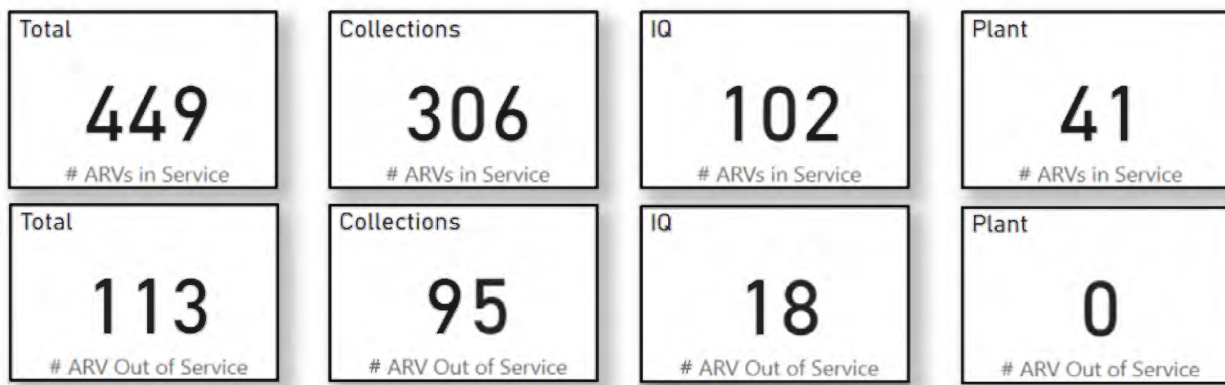
Emergency Call Work Order Low Pressure Trend

March 2022 through March 2023

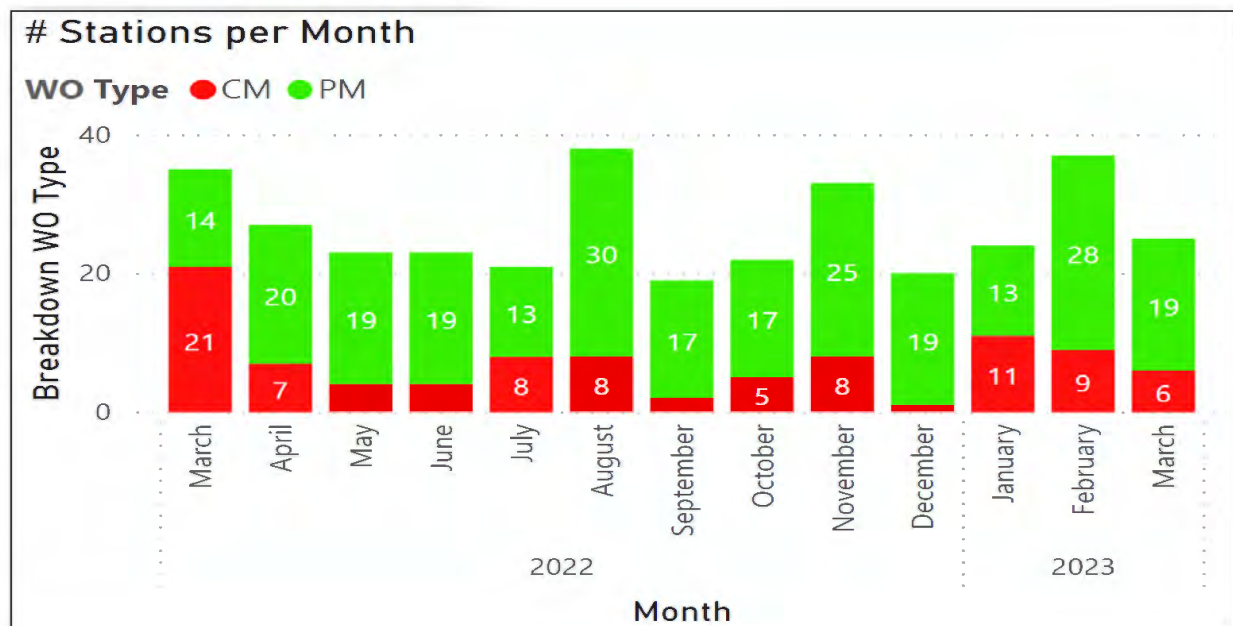


Air Release Valves (ARV): The ARV evaluation process has identified 449 ARVs with 113 ARVs out of service.

You will note in the unauthorized discharge section that three (3) unauthorized discharges were attributed to ARVs this month. Two (2) resulting from a failed ARV seat (typically caused by trash and rags preventing the valve from sealing) and one from failed piping. The unauthorized discharge due to failed piping occurred at an ARV we had performed a PM on in July 2021 and noted piping condition as yellow, caused by corrosion. We are reviewing our condition assessment on ARV piping to determine if modifications are necessary as well as the frequency of PMs.



Wet Well Cleaning: Unscheduled wet well cleanings totaled 9 for the month.



UNAUTHORIZED DISCHARGES (fka SANITARY SEWER OVERFLOWS)

There were 7 unauthorized discharges in the collection-transmission-distribution system this month.

On March 06, 2023, the District had an unauthorized discharge of one-half (1/2)gallon of sewage from a private residence low-pressure system (LP0242-WW) located on SE Point Terrace, Jupiter, FL. The unauthorized discharge was caused by a wet well overflow due to power loss. The unauthorized discharge was stopped by discontinuing use of water until power was restored. The unauthorized discharge was absorbed into the soil in the immediate area around the low-pressure system wet well. The affected soil was excavated (0.1 cubic yard) for proper disposal, and the area was cleaned with 5 gallons of potable water. No known storm drains or bodies of water were affected.

On March 07, 2023, the District had an unauthorized discharge of five (5) gallons of sewage from a private residence low-pressure system (LP0973-WW) located on 190th Court Nr, Jupiter, FL. The unauthorized discharge was caused by a wet well overflow due to power loss. The unauthorized discharge was stopped by discontinuing use of water until power was restored. The unauthorized discharge was absorbed into the soil in the immediate area around the low-pressure system wet well. The affected area was cleaned with ten gallons of potable water and disinfected with lime. No known storm drains or bodies of water were affected.

On March 09, 2023, the District had an unauthorized discharge of two (2) gallons of sewage from an air-release valve (LS293-VLA19) on Indiantown Road W, Jupiter, FL. The unauthorized discharge was due to a failed air-release valve seat. The unauthorized discharge was stopped by isolating the valve until repairs could be made. Some of the unauthorized discharge evaporated on the sidewalk in the immediate area around the ARV manhole. The affected area was disinfected with lime. No known storm drains or bodies of water were affected.

On March 13, 2023, the District had an unauthorized discharge of ten (10) gallons of sewage at a private residence low pressure system (LP1241-LPS1) located on Pennock Point Road, Jupiter, FL. The unauthorized discharge was caused by a failed PVC fitting. The unauthorized discharge was stopped by disabling and isolating the station until repairs could be made. Some of the unauthorized discharge was absorbed into the soil. The affected area was cleaned with potable water and disinfected with lime. No known storm drains or bodies of water were affected.

On March 15, 2023, the District had an unauthorized discharge of 2,750 gallons of sewage west of southbound lane of US1 and north of East Mangrove Bay Way in Jupiter FL. The unauthorized discharge was caused by a failed 2-inch pipe feeding an air release valve (LS130-VLA14) located in a manhole. The unauthorized discharge was stopped by turning off collection lift stations feeding the force main and closing the isolation valve to the ARV. The unauthorized discharge traveled approximately 320 feet north and 40 feet

south along a pedestrian sidewalk. Some of the unauthorized discharge liquid was absorbed into the soil in the immediate area. The affected area was disinfected with lime and washed down with 150 gallons of potable water. 900 gallons of liquid was recovered by using a 3rd party vacuum pump truck including the wash down potable water. No known storm drains or bodies of water were affected.

On March 15, 2023, the District had an unauthorized discharge of 180 gallons of sewage from an air release valve (LS242-VLA04) located on Central Blvd, Jupiter, FL. The unauthorized discharge was caused by a failed air release valve seat. The unauthorized discharge was stopped by isolating the air release valve until repairs could be made. The unauthorized discharge traveled approximately 25 feet north along the east brim of north bound lanes, then 50 feet west across both north bound lanes then 522 feet north along the west side of north bound lanes on Central Blvd. Some of the unauthorized discharge was absorbed into the soil in the immediate area. The affected area was disinfected with lime. No known storm drains or bodies of water were affected.

On March 21, 2023, the District had an unauthorized discharge of one (1) gallon of sewage from a private residence low-pressure system (LP0442-WW) located on Harbor Road S, Jupiter, FL. The unauthorized discharge was caused by a wet well overflow due to power loss. The unauthorized discharge was stopped by discontinuing use of water until power was restored. The unauthorized discharge was absorbed into the soil in the immediate area around the low-pressure system wet well. The affected area was disinfected with lime. No known storm drains or bodies of water were affected.



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: Albrey Arrington, Ph.D., Executive Director

FROM: Jason A. Pugsley, P.E., Operations – Plant Manager

DATE: April 14, 2023

SUBJECT: March 2023 Operations Department Monthly Report

Treatment Plant Division / Maintenance Department

Overall, the month of March 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. During the month, influent flows to the plant were on the same order of magnitude as the previous month. The most significant challenge experienced at the plant this month was the continued lack of rainfall across our region. As a result, the water levels within the IQ storage lakes and IQ customer reservoirs continued to fall. Staff from multiple District departments worked collaboratively to develop a contingency plan which could be implemented if the dry conditions persist. The plant did not experience any unauthorized discharges during the month of March.



Dr. Matt H. Rostock
CHAIRMAN

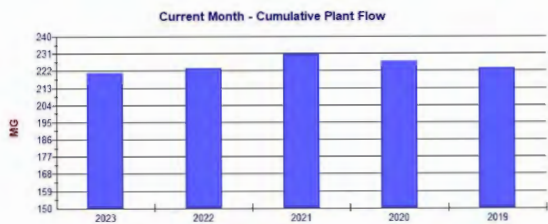
Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

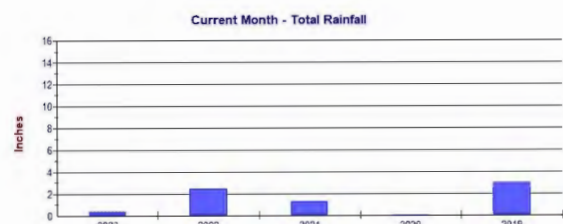
Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

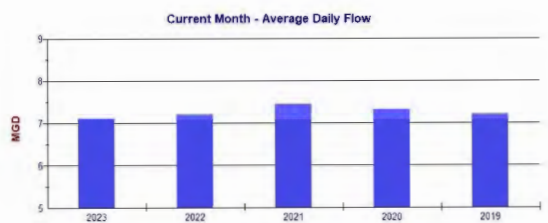
Graphical summaries of the plant flows and rainfall during the month of March, including comparisons with plant flows during the previous month (i.e., February 2023), are presented below.



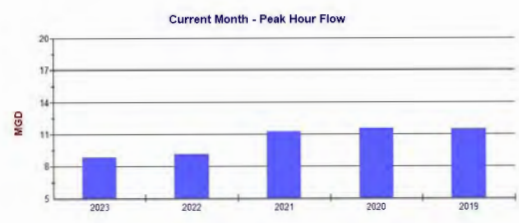
The Cumulative Influent Flow to the plant for the month of March was 220.86 million gallons. This is greater than the February flow of 201.12 million gallons.



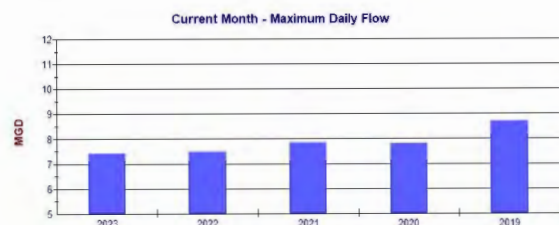
0.43 inches of total rainfall was recorded at the plant site during the month of March. This is significantly less than the February rainfall recorded of 1.10 inches.



The Average Daily Flow (ADF) for the month of March was recorded at 7.12 MGD compared to 7.18 MGD during the month of February and 7.20 MGD during March 2022.

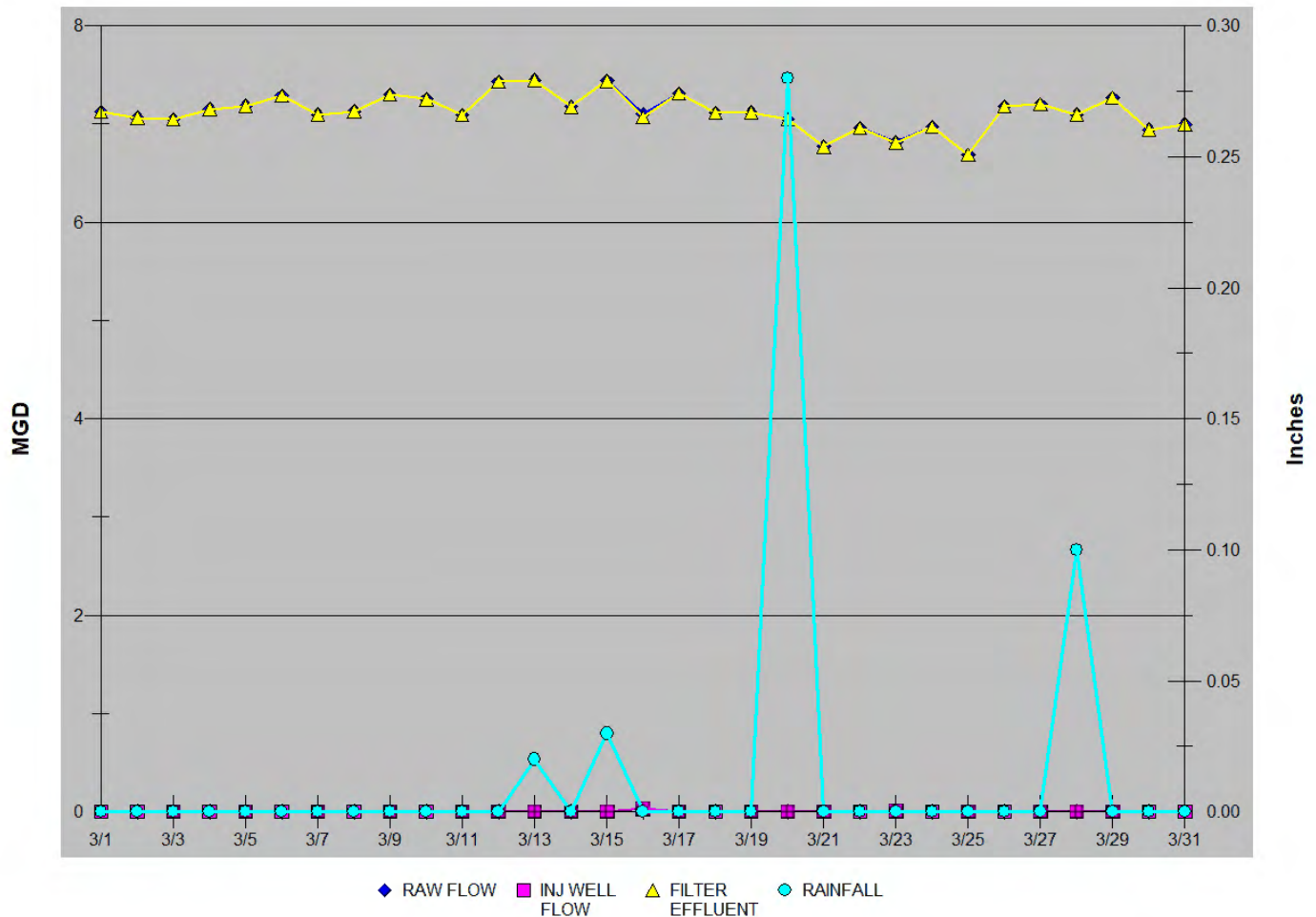


The Peak Hour Flow (PHF) for March was 6,174 GPM which equates to an equivalent daily rate of 8.89 MGD. This is a slightly lower than the PHF for February of 6,542 GPM (9.42 MGD).



The Maximum Daily Flow (MDF) in March was 7.45 MGD. This is slightly less than the MDF for February of 7.83 MGD.

For the month of March, 99.98% or 220.82 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 0.04 MG of blended effluent was diverted to the Deep Injection Well. The plant delivered a total of approximately 280.38 million gallons of IQ water to the reuse customers during the month of March.



Year to date (i.e., Calendar Year 2023), approximately 87.33% 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 for the year stands at 691.52 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 worked and/or provided operational assistance during the execution of various special and/or capital improvement projects. A few of the projects are discussed below.

Operations Staff worked with an outside vendor to evaluate and test potential sludge conditioning polymers for the sludge dewatering process. As part of the dewatering process, a cationic (positively charged), synthetic polymer is introduced into the waste activated sludge (WAS) process stream immediately upstream of the two (2) belt filter press units. The introduction of polymer significantly enhances the coagulation properties of the WAS and significantly increases the solids concentration of the dewatered cake produced by the belt filter press units. The District currently purchases a neat polymer solution from a single source supplier. Due to significant cost variability in the last couple years and intermittent supply chain issues, Staff desired to evaluate alternate polymers to identify a secondary polymer product which would perform the same or better than the current polymer used. Staff performed preliminary testing over a two-night period. During the first night of the trial, the trial polymer was introduced upstream of BFP No. 1 and the current polymer was introduced upstream of BFP No. 2. On the second night of testing, the polymer's used on the respective BFP units were switched to ensure that the difference in polymer performance observed was not related to performance differences between the two BFP units.

LRECD Polymer Test-Chemical Systems 3-14-23								
Time	Trailer # (F,M,B)	Press #1 Flow (GPM)	Press #1 Cake % Trial Polymer	Press #1 Polymer Used (gals)	Press #2 Flow (GPM)	Press #2 Cake % Current Polymer	Press #2 Polymer Used (gals)	Operator
12:22 AM	570669F	176	15.40	2	164	14.65	3	JG
1:28 AM	570669M	173	15.49	2	163	14.22	1.5	JG
3:12 AM	570669B	171	15.21	3	161	14.48	2.3	JG
4:52 AM	57661F	173	15.36	2	161	14.63	2	JG
6:34 AM	57661M	170	15.63	2	159	15.03	2.2	JG
7:30 AM	57661B	168	15.06	3	156	14.79	2	RG
Average Cake %			15.36	versus		14.63		

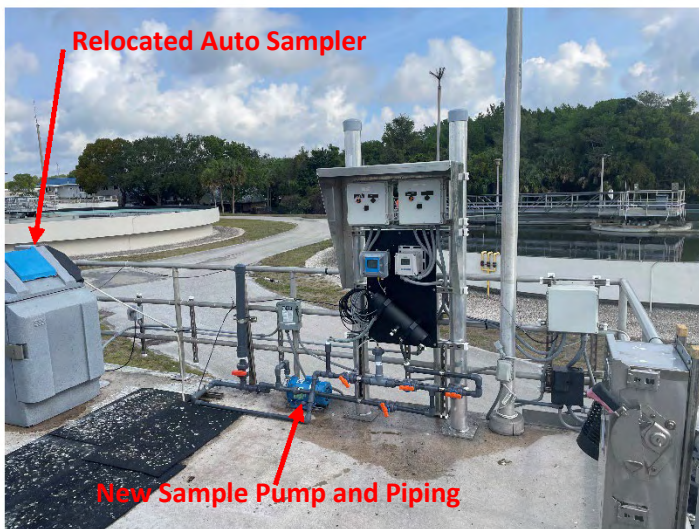
Summary of Sludge Polymer Trial Results – Night No.1

The results of the testing were encouraging. During the two-night trial period, the trial polymer produced a sludge cake with a solids concentration which was approximately 0.75% greater than the current polymer while using nearly the same amount of polymer. As part of the next step of the trial, Staff intends to perform testing over a longer period of one to two weeks.

During the month, Operations Staff worked with the Maintenance Team to replace the existing total suspended solids (TSS) / pH metering and level monitoring instrumentation rack located at Filter Pump Station No. 1. The purpose of the project was to replace existing instrumentation which had reached the end of their useful life, eliminate unnecessary panels and conduit/cabling, improve the functionality and maintainability of the instruments and lastly improve the resiliency of the rack to address potential issues associated with water intrusion and ultraviolet wear. As part of the project, Staff evaluated newer metering technologies to improve system reliability and functionality. The project also included upgrades to the existing sample pump and piping. To minimize impacts to plant operations, Staff fabricated and constructed the panel rack in the electrical shop so that replacement of the existing rack could be completed in one day. In the end, the fabrication and installation were completed with no major issues or delays. To provide additional access and clearance to the new rack, Staff also took the opportunity to relocate the existing auto sampler unit. The ability to perform these types of projects in-house is a testament to the vast skill sets and abilities of District's Operations and Maintenance Team members.



Old/Replaced FPS No. 1 – Instrumentation Rack and Sampler Layout



New FPS No. 1 – Instrumentation Rack and Sampler Layout

Lastly, Operations Staff worked with the Construction Team to perform the annual cleaning of the filter backwash waste basin. The basin provides temporary storage of filter backwash water prior to being pumped back to the secondary treatment process at the WWTP. The main objective of the cleaning is to remove solids which have settled to the bottom of the basin. These solids are pumped out and then properly disposed of offsite. These solids can actually reduce the available storage capacity of the basin so its important to periodically remove them from the basin. Staff removed the solids using a vacuum truck from grade. This method eliminated the need for Staff to perform a confined space entry.



Annual Cleaning of Filter Backwash Waste Basin

Maintenance Department:

The Maintenance Department continued to efficiently perform planned maintenance (PM) tasks over the last monthly period. 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 performed the annual inspection of the grit vortex unit at the headworks structure. To complete the inspection, the grit unit was isolated using the upstream and downstream slide gates, drained of all contents and Staff performed a confined space entry under the watchful eye of the District’s Safety Officer. The primary purpose of the inspection was to assess the condition of the interior concrete walls as well as the rotating paddle assembly which is designed to promote the settling of grit to the base of the unit where it is pumped out and conveyed to the grit classifier where it is dewatered, discharged to a dumpster and hauled offsite for proper disposal. Upon inspection it was discovered that the paddle shaft was slightly out of plumb and needed to be realigned. The interior of the structure was found to be in good condition with no deficiencies.



Maintenance Team
Member Ross Cowell

Maintenance Staff Performing Confined Space Entry



Rotating Paddle Element

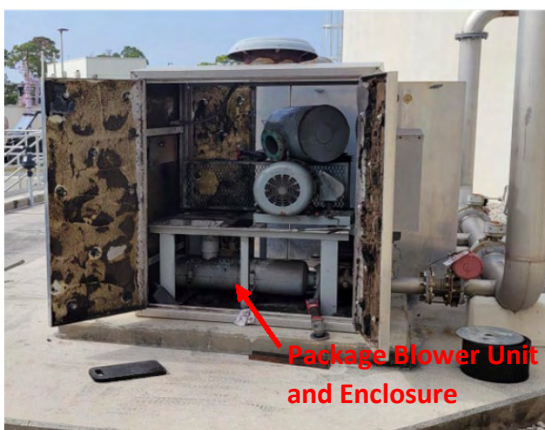
Realignment of Grit Vortex Unit Paddle Shaft

During the month of February, Maintenance Team members also replaced the gear drive assembly on Belt Filter Press Unit No. 1. The District's sludge dewatering system consists of a total of two (2) belt filter press units. Waste activated sludge from the sludge storage tank is conveyed to each belt press unit at an average solid's concentration of 1.5 to 2.0% (i.e., 15,000 – 20,000 mg/L). The belt press units consistently produce a dewatered cake with an average solid's concentration of 14 to 16%. Each belt filter press unit is equipped with a dedicated gear drive assembly which simultaneously rotates the gravity (i.e., upper) and pressure (i.e., lower) press belts. It is critical that each drive assembly operates properly to ensure that we consistently produce a dewatered cake with the highest solids concentration possible. This is because water has a higher density than the solids, therefore, the higher the water content, the higher the sludge hauling and drying costs are.



Replacement of Belt Filter Press Drive Assembly

Maintenance Team members also replaced one of the three (2 duty/1 standby) process air blowers dedicated to the flow equalization (EQ) storage tanks. During periods of high influent flow to the WWTP, a portion of the flow, called diurnal peak flow, is conveyed by gravity to the EQ storage tanks where it is temporarily stored until the influent flow to the WWTP subsides and the stored wastewater can be pumped to the secondary treatment process. The purpose of the EQ storage tanks is to reduce the hydraulic loading to the biological treatment process during high flow periods and ensure that an adequate source of carbon (i.e., food) is introduced to the process during low flow periods. The EQ blowers provide air to promote aerobic biological conditions within the EQ tanks and to assist with mixing of the solids within the tank.



Lastly, Maintenance Team members took advantage of the lower than typical water levels in the onsite IQ storage lakes to demolish the old lake level monitoring station called “The Bird Dock”. The level monitoring instruments were previously removed from service and the dock structure was no longer structurally sound. Demolishing the structure “in the dry” ensured that all construction debris was collected and properly disposed of and there was minimal impact to the surrounding environment.





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: Albrey Arrington, Ph.D., Executive Director
FROM: Bud Howard, Director of Information Services
DATE: April 12, 2023
SUBJECT: Information Services Monthly Governing Board Update for March 2023

WildPine Ecological Laboratory

Riverkeeper Project

In March, the lab staff and our partners collected 125 water quality samples from 19 monitoring stations throughout the watershed. A total of 68 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 March 2023 was “Good” with 89% of all samples meeting the EPA/DEP water quality criteria. This was similar to last month’s score and last year’s score of 88% for March (see score card below).

For the core parameters, *Total Nitrogen* scored “Good” during March with 100% of sites meeting the water quality criteria. This was an improvement from last month’s score of 93%, and identical to last year’s score. *Total Phosphorus* scored “Good” with 100% of sites meeting the criteria, this was also a slight improvement from last month’s score of 96%, and identical to last year’s score. *Chlorophyll* scores for March were similar to February’s “Fair”, with 74% of sites meeting the water quality criteria. The chlorophyll scores were down from last year’s score for March of 88%. For the combined *Fecal Indicator Bacteria* (fecal coliforms in all waters, enterococci in marine and brackish waters and *E. coli* in fresh waters), March scored “Good” again at 87%, very similar to last month’s score of 88%, and slightly better than last year’s March score of 83%. The winter/spring dry season is typically the best time of year for lower bacteria levels in the river, as indicated below in the monthly bacteria scorecard.

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

3/1/2022

3/29/2023

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

March
2023

89%

Overall

125

Total Samples

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

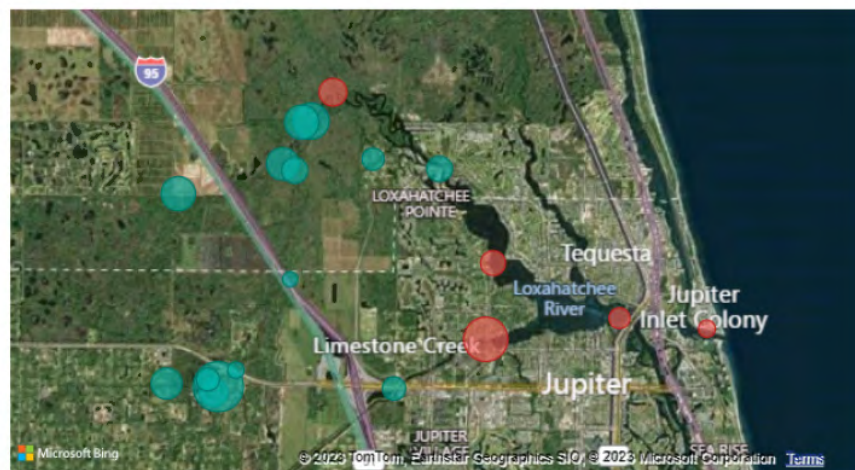
Year	Month	# Samples	Overall Score	# TN Samples	Total Nitrogen Percent Good	# TP Samples	Total Phosphorus Percent Good	# CLA Samples	Chlorophyll Percent Good	# BAC Samples	Bacteria Percent Good
2023	March	125	89%	19	100%	19	100%	19	74%	68	87%
2023	February	159	88%	28	93%	28	96%	28	75%	75	88%
2023	January	160	85%	30	100%	30	90%	30	53%	70	90%
2022	December	164	75%	29	93%	29	86%	29	76%	77	64%
2022	November	120	77%	18	100%	18	83%	18	56%	66	74%
2022	October	160	71%	30	100%	30	73%	30	40%	70	71%
2022	September	104	81%	19	100%	19	95%	19	79%	47	68%
2022	August	162	80%	26	88%	26	88%	26	77%	84	76%
2022	July	159	72%	30	93%	30	70%	30	47%	69	75%
2022	June	123	76%	16	88%	16	75%	16	69%	75	75%
2022	May	119	84%	21	95%	20	85%	20	80%	58	81%
2022	April	147	82%	26	96%	27	81%	27	48%	67	91%
2022	March	123	88%	16	100%	16	100%	16	88%	75	83%
Total		1825	80%	308	96%	308	86%	308	64%	901	79%

Spatial Distribution of Water Quality Results

In March, *Chlorophyll* results met the water quality criteria at 14 out of 19 sites. The freshwater stations all scored good and were lower than the FDEP water quality criteria of 20 µg/L. The highest concentration which scored poor was observed at Loxahatchee River Road Bridge (Station 72) in the southwest fork of the river with 12 µg/L. The other poor-scoring stations were scattered about the estuary, which has very strict water quality standards, with results ranging from 2 µg/L at Station 10 in the Jupiter Inlet to 6 µg/L at Station 65 in the NW Fork. Oftentimes, we see higher concentrations of chlorophyll during the late summer and early fall when water temperatures and higher productivity are combined with low flushing rates. It is likely that the unseasonably warm temperatures and low flows are driving some of these high results.

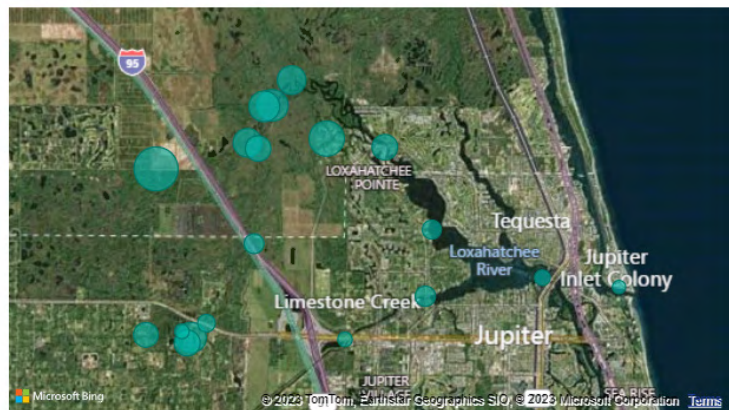
Chlorophyll a (µg/L)

CHL_Score ● GOOD ● POOR



Total Phosphorus (mg/L)

TP_Score ● GOOD

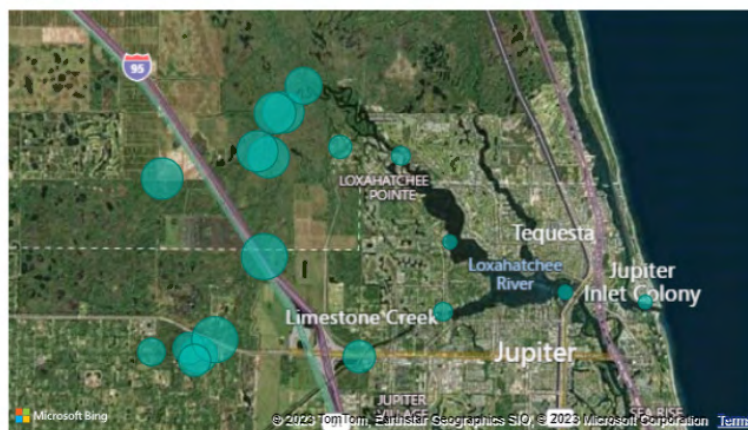


Total Phosphorus (TP) results scored “Good” at all 19 sites in March. The Cypress Canal (Station 105) had the highest TP value at 0.08 mg/L and was still lower than the Numeric Nutrient Criteria (NNC) water quality standard of 0.12 mg/L for freshwater stations.

Total Nitrogen results also scored “Good” at all 19 sites in March. Station 69 (Indiantown Road Bridge) and its nearest downstream site (Station 68 at I-95) both had the highest concentration at 0.9 mg/L, but those were well under the NNC of 1.5 for freshwater stations.

Total Nitrogen (mg/L)

TN_Score ● GOOD



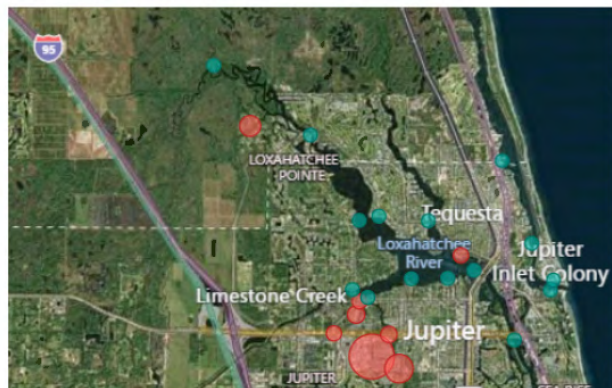
The overall *fecal indicator bacteria* results scored “Good” again in March for the third month in a row. Enterococci (see map below left), the preferred indicator bacteria for salt and brackish waters, scored “Poor” at eight stations. Six of the eight poor stations were sampled in Jones and Sims Creeks. The other “Poor” scoring sites were Riverside Drive Park (RDP) and River’s Edge (Station 107).

The Caloosahatchee Culvert (CALC) site in Jones Creek had the highest concentration at 5,794 MPN/100mL, up from last month’s 3,873 MPN/100mL. The Toney Penna Footbridge (TPJ) site, also in Jones Creek, was moderately high at 2,723 MPN/100mL, identical to last month. River’s Edge (Station 107), a tributary into the northwest fork, was also “Poor” at 1,333 MPN/100 mL. The other four “Poor” scoring stations in Jones/Sims Creeks were between 256 and 697 MPN/100 mL.

For *E. coli* (see map below right), the preferred indicator bacteria for freshwater, all stations scored “Good”. All freshwater samples tested were below 300 MPN/100 mL.

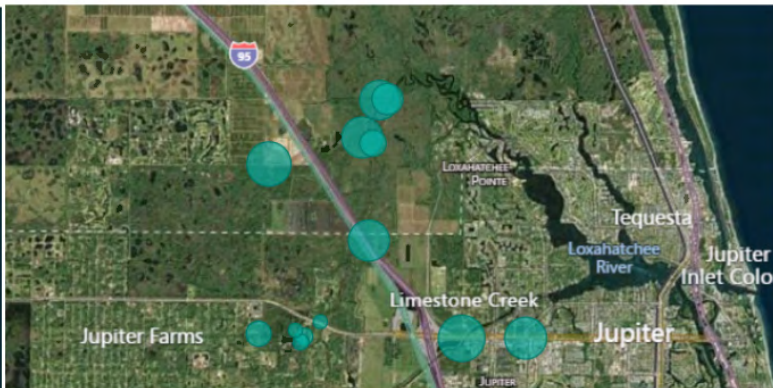
Enterococci Bacteria - Criteria: 130 MPN/100mL

ENT_Score ● GOOD ● POOR



E. coli Bacteria - Criteria: 410 MPN/100mL

ECOL_Score ● GOOD



Unpermitted Dredging

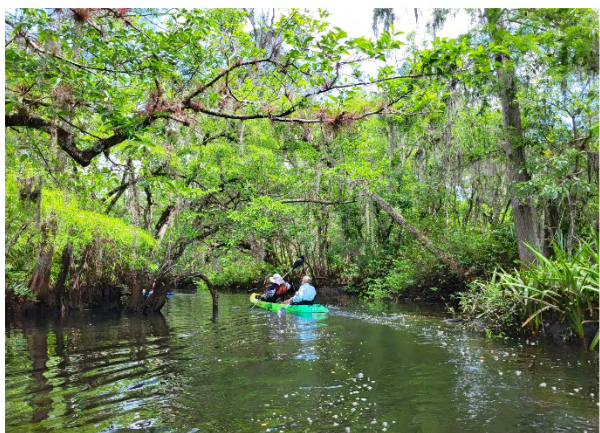
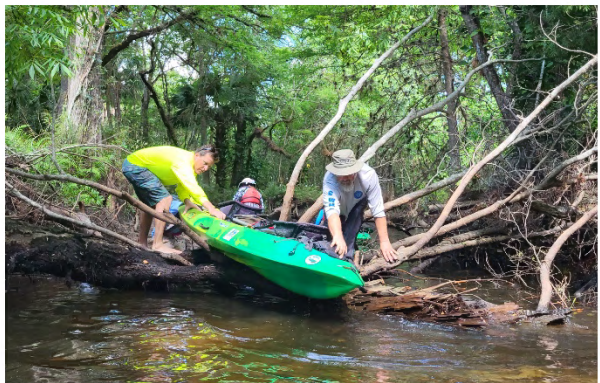
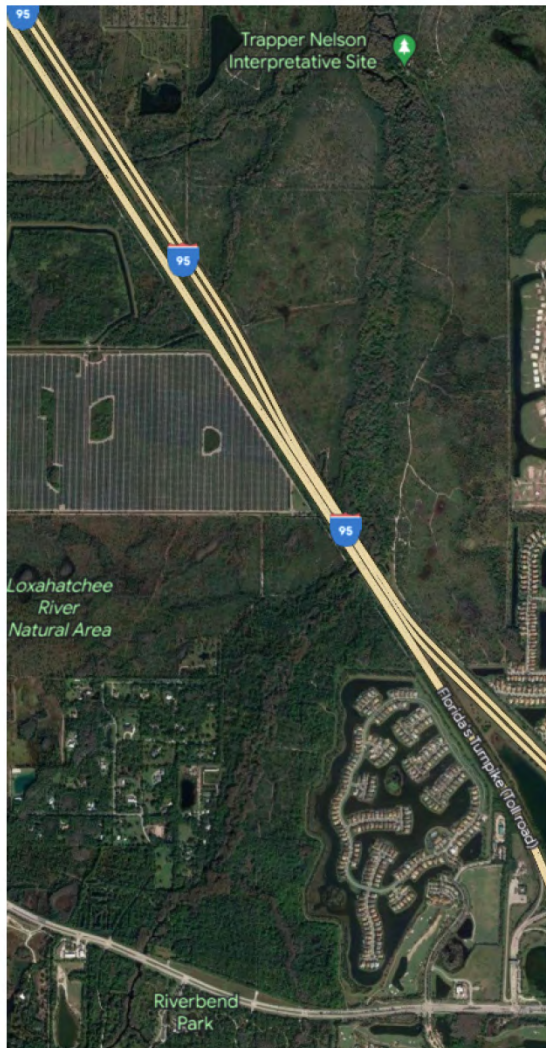
While the WildPine Lab Staff were on the water during their monthly sampling, they observed dredging occurring with no turbidity controls near one of our seagrass monitoring stations off Riverside Drive. Because this seemed odd, we reported it to FDEP and they shut down the dredging.

The following day (March 16), Staff collected water samples from the nearby Riverside Drive Park (RDP) site for the weekly bacteria testing. The enterococci bacteria results were unusually high at 1,184 MPN/100mL. Perhaps the high reading was caused by mobilizing the bacteria that were living in those sediments. The following week bacteria levels decreased to more typical levels.



Loxahatchee River Management Coordinating Council Kayak Trip Down the Loxahatchee River

On March 27th, the River Center and Lab Staff facilitated a kayak tour for members of the Loxahatchee River Management Coordinating Council (LRMCC). The group paddled from Riverbend Park to Trapper Nelsons, a 4½ mile trip, during very low flow and water level conditions that made passage very challenging because of obstructions and shallow water. It was big, but memorable, adventure!



Goodbye to Rachel Harris, Ph.D., Sr. Scientist

After 5 years in the WildPine Lab's Sr. Scientist position, Rachel is moving on to a new position as a Research Scientist with the Fish and Wildlife Research Institute's (FWRI) Restoration Ecology Group in the Florida Keys. Rachel made some remarkable accomplishments during her time with us, including publishing 7 manuscripts in peer-reviewed scientific journals listed below. She was also a significant contributor on an additional 10 studies on the Loxahatchee River. In addition to all the projects she was involved in, Rachel brought a great attitude that brighten moods and made work fun. We will miss her, and we wish her well in her next endeavours!



Arrington, D. A., Harris, R. J., Layman, C. A., & Gomes, D. G. (2023). Leveraging green infrastructure for efficient treatment of reclaimed water. *Science of The Total Environment*, 162232.

<https://doi.org/10.1016/j.scitotenv.2023.162232>

Iliff SM, Wilczek ER, Harris RJ, Bouldin R, Stoner EW. (2020). Evidence of microplastics from benthic jellyfish (*Cassiopea xamachana*) in Florida estuaries. *Marine Pollution Bulletin*.

<https://doi.org/10.1016/j.marpolbul.2020.111521>

Harris RJ, Arrington DA, Porter D, Lovko V. (2020). Tracking the longevity of an allochthonous *K. brevis* bloom on the east coast of Florida. *Harmful Algae*. 97: 101851. <https://doi.org/10.1016/j.hal.2020.101851>

Metz, J. L., Harris, R. J., & Arrington, D. A. (2020). Seasonal occurrence patterns of seagrass should influence resource assessment and management decisions: A case study in the Indian River Lagoon and Loxahatchee River Estuary, Florida. *Regional Studies in Marine Science*, 34, 101093.

<https://doi.org/10.1016/j.rsma.2020.101093>

Kelly E, Gidley M, Sinigalliano C, Kumar N, Brand L, Harris RJ, Arrington DA, Solo-Gabriele HM (2020). Proliferation of Microalgae and Enterococci in the Lake Okeechobee, St. Lucie, and Loxahatchee Watersheds. *Water Research*. 171: 115441. <https://doi.org/10.1016/j.watres.2019.115441>

Harris RJ, Niemand C, Pilditch CA. (2020) Decomposing macroalgae (*Ulva* spp) impacts benthic macrofaunal feeding groups and surface sediment erosion. *Marine-Geo Letters*.

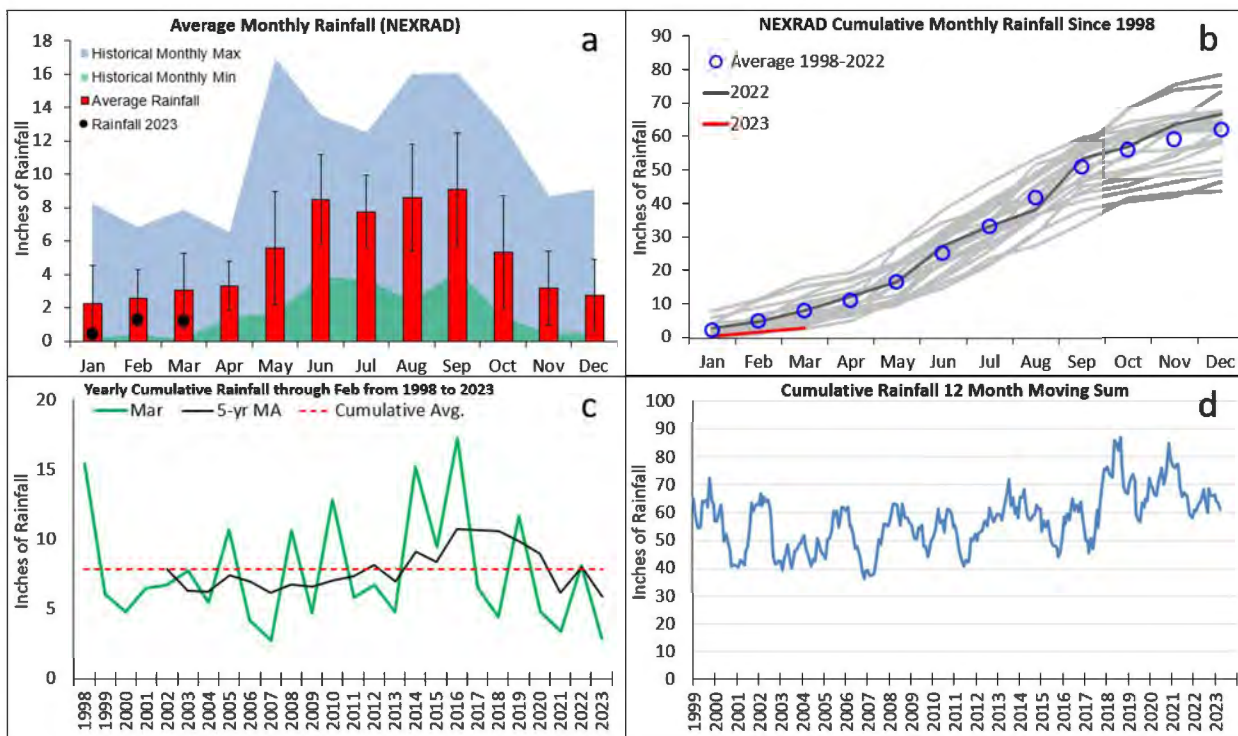
<https://doi.org/10.1007/s00367-019-00593-z>

Iliff S, Harris RJ, Stoner E. (2019). Effects of carbaryl insecticide on an epibenthic estuarine community. *Marine Pollution Bulletin*. 146: 502–508. <https://doi.org/10.1016/j.marpolbul.2019.06.060>

Hydrologic Monitoring

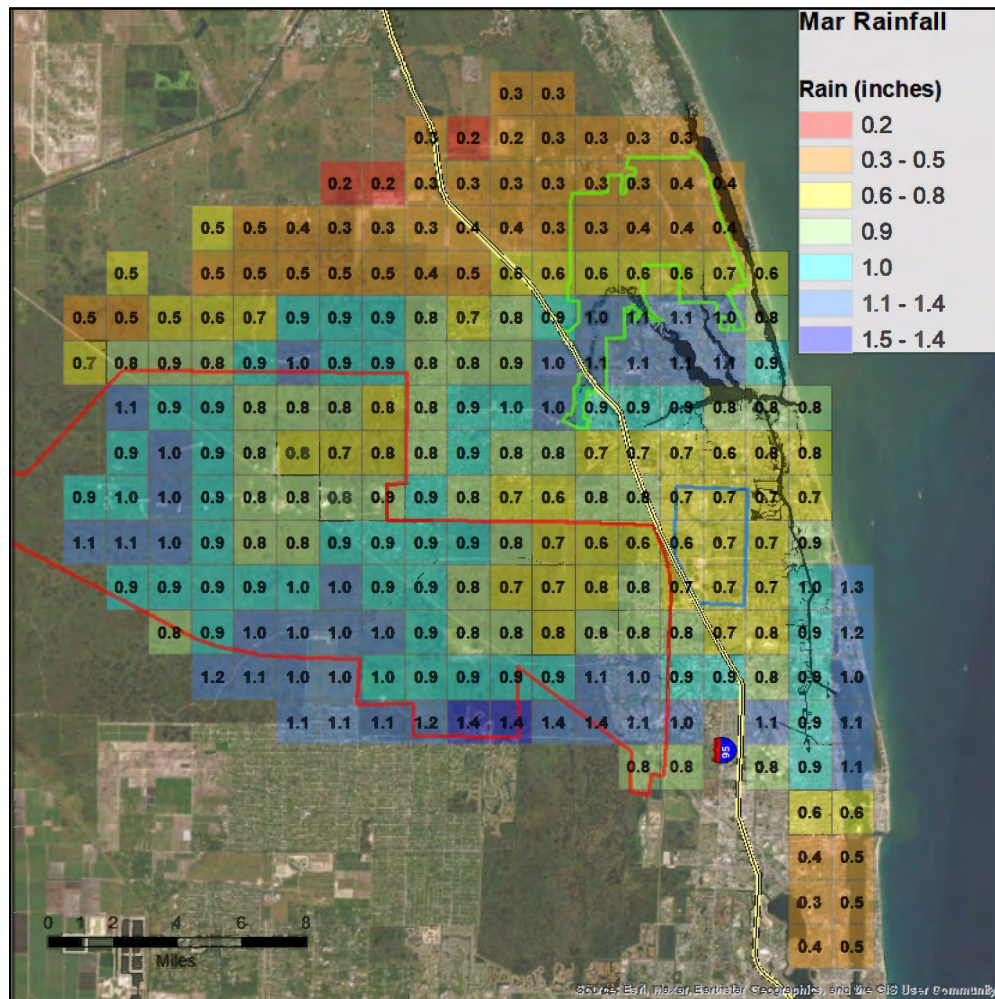
Rainfall

Very dry conditions continued through March with average rainfall across the watershed totalling just 1.2" inches (panel 'a' in figure below), far less than both the historic average of 3.1" for the month and the 3.3" experienced during March 2022. Despite detecting rainfall within the watershed on 13 days, the highest single day total was only 0.3" on March 15. Cumulative annual rainfall total through March is only 2.9", about 63% below the 7.9" average for the period and extends the downward trend in cumulative rainfall in recent years (panel "c" below). Incidentally, cumulative rainfall so far this year is off to one of the driest starts in the 25 year record and is second only to 2007 when cumulative rainfall for the same period was 2.8". Despite the recent dry conditions, the higher than normal rainfall last Fall has the 12-month moving rainfall sum at 61.3", very near the 61.5" historical sum through March but is on an overall declining trend (panel "d" below).



Figures above display various measures of rainfall. Panel (a) shows average monthly rainfall from 1998 to 2022 (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 2023; dark grey line indicates rainfall during 2022. Blue circles are monthly cumulative average rainfall measured between 1998-2022. Panel (c) shows cumulative annual rainfall using NEXRAD radar-based data. Green line indicates cumulative rainfall through indicated month for each year since 1998, 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.

The spatial distribution of rainfall across the watershed in March ranged from about 0.2” in the driest regions to just over 1.4” in the rainiest regions (figure below). In general, the driest regions occurred in the northern portions of the watershed and included much of Atlantic Ridge and northern portions of Jonathan Dickinson State Park while the “wettest” regions were to the south encompassing much of the C-18 basin, including portions of Loxahatchee Slough, some of the J.W. Corbett Wildlife Management Area, and some areas over the Northwest Fork of the Loxahatchee River, which experienced roughly an inch of rain during March.



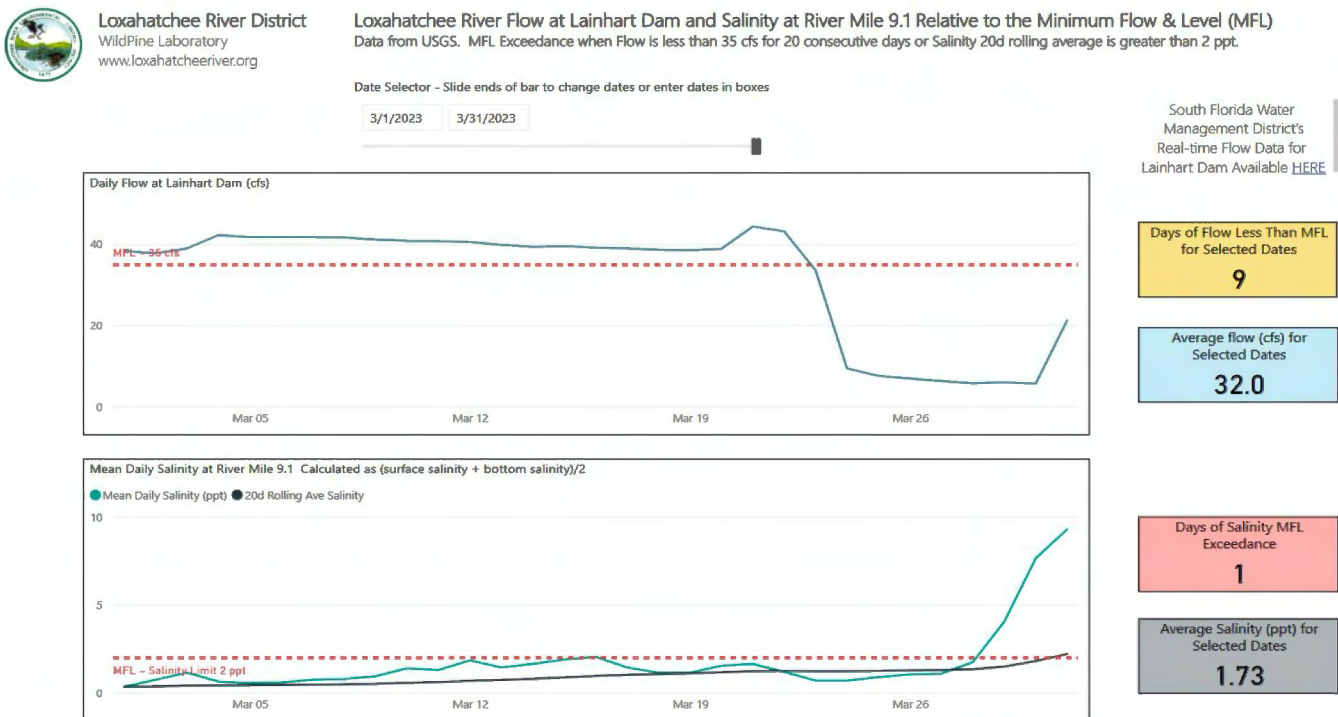
Rainfall distribution across the watershed using NEXRAD data. Each pixel represents an area of 2 km x 2 km. Blue colored pixels show highest rainfall and red pixels show lowest rainfall. For reference, the red line is the C-18 basin which includes portions of J.W. Corbett WMA, Loxahatchee Slough, and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

River Flows

As we enter the peak of the typical dry season, river flows in the northwest fork have diminished to very low levels. Throughout the month, the daily average river flow measured at Lainhart Dam averaged just 32 cfs, and ranged between only 6 cfs to a peak of just 44 cfs. For much of the month, supplemental flow of about 20 cfs out of Grassy Waters Preserve through the G-161 structure helped maintain flows near the minimum flow target. However, around March 23 flow from the G-161 halted resulting in a cessation of flow through the G-92 into the headwaters of the northwest fork of the Loxahatchee River. The impact to river flow was immediate and substantial as flow over Lainhart Dam fell to less than 10 cfs for the remainder of the month until March 31 when flow increased briefly to only 21 cfs.

Despite sustained low River flows through March, flow was sufficient enough to maintain bottom salinity at River Mile 9.1 at or below 2 ppt. However, once flow had essentially ceased on March 23, resulting bottom salinity quickly climbed to a peak of 14 ppt by month's end. This resulted in a one day mean top-bottom salinity exceedance for the month. We will discuss this more as part of this month's Watershed Status Report.

We continue to closely monitor flow and salinity conditions through our Minimum Flow and Level (MFL) data visualization tool (screenshot below and available at: <https://loxahatcheeriver.org/river/>) and coordinate our observations with the South Florida Water Management District staff.

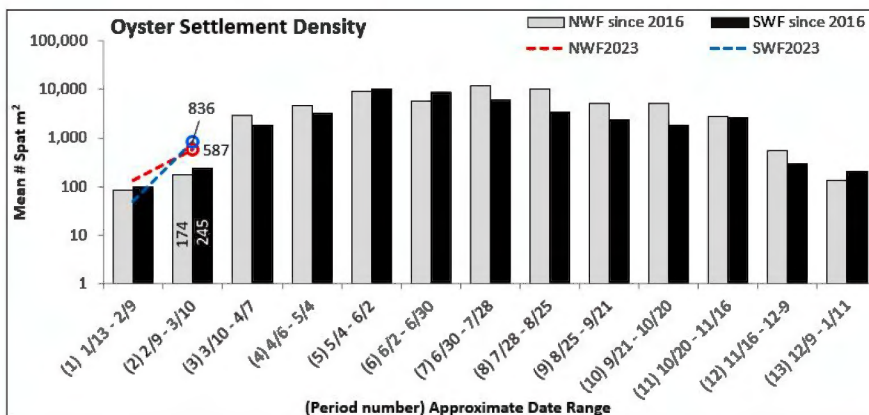


March 2023 River Flow and Salinity. Top graph shows mean daily flow measured at Lainhart Dam (blue line) and the Minimum Flow & Level (red dashed line). Boxes at right is shown the number of days during the indicated period that average daily flow was below the 35 cfs MFL flow target (yellow box) and the mean daily flow during the selected timeframe. Bottom graph shows mean daily salinity at the USGS River Mile 9.1 structure with the 2 ppt threshold line indicated (red dashed line). Boxes at right show the number of days of salinity exceedance (red box) and average salinity during the indicated period (grey box).

Oyster Spat Monitoring

Oyster spat settlement evaluation for the 32-day period ending March 13 showed above average oyster spat settlement for the period. In the Northwest Fork, average spat density was 587 spat m² with most, or 76%, of the activity occurring at the downstream site.

Oyster spat settlement in the Southwest Fork was also above average at 836 spat/m² with about 66% of the settlement occurring at the downstream site.



Mean oyster spat settlement for the Northwest Fork (gray bars) and the Southwest Fork (black bars) since 2016. Dashed lines show oyster spat settlement the current year in the NWF (red) and SWF (blue). Note logarithmic scale of vertical axis.

Wastewater Surveillance of COVID-19

The wastewater surveillance monitoring for the Biobot/CDC and WastewaterSCAN programs show significant declines in virus concentration of SARS-CoV-2/COVID, Influenza, Respiratory viruses RSV and hMPV, and Norovirus.

Loxahatchee River District's Wastewater Surveillance Program, Jupiter, Florida

Conducted in partnership with WastewaterSCAN - a program of Stanford University, Emory University and Verily, the life sciences subsidiary of Alphabet, Inc. (formerly Google)
Sewer Service Area largely overlaps with zip codes 33458, 33477, 33469

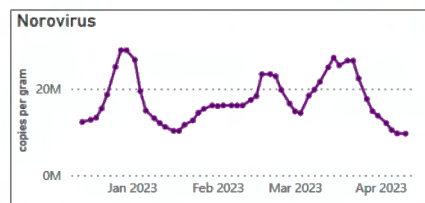
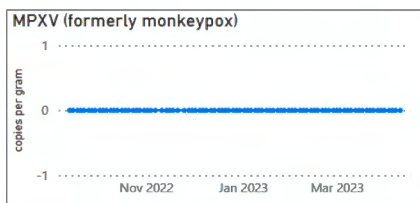
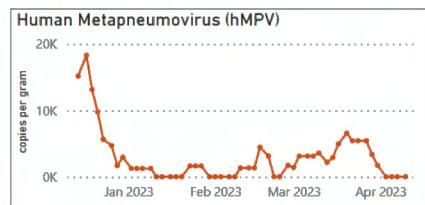
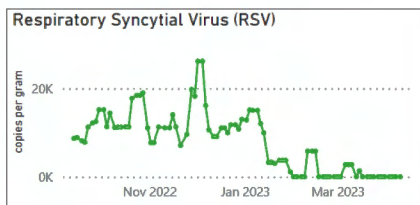
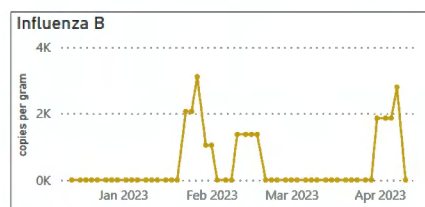
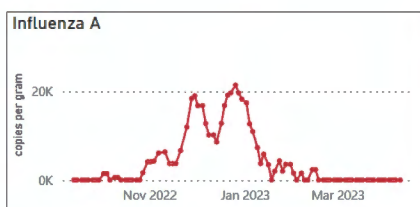


Date Selector - Select Dates or Move Slider To Adjust Date Range

9/14/2022 4/13/2023

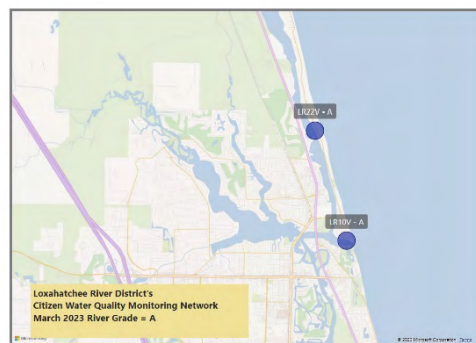


The data in these charts have been smoothed, where measurements from nearby dates have been combined to reduce day-to-day variability and increase accuracy. Specifically, Verily takes the 5 samples centered around a date and report the average after excluding the highest and lowest values. This processing minimizes the influence of outlier measurements and makes it easier to visualize trends in the data. For more information and visualizations, please visit the [WastewaterSCAN data page](#).



Volunteer Water Quality

The weekly Volunteer Water Quality monitoring had another month of high scores for March, resulting in an overall “A” grade. The only deviation from high scores was another instance of poor water clarity at the Jupiter Inlet site at the beginning of the month. These observations were associated with rough seas. Both sites experienced slightly higher than normal salinities as well. Otherwise, all the other parameters scored in the “Good” range for both sites.



	Averaged results for the Month							Monthly Cumulative Grades						Cumul. Monthly	
Site	Temp (F)	Secchi	Salinity	pH	DO	DO%	Color	Vis	Salt	pH	DO	DO%	Color	Score	Grade
LR10V	24.8	3.63	35.9	8.2	6.7	99.2	1.0	B	B	A	A	A	A	94.4	A
LR22V	24.1	1.25	36.8	8.2	6.1	89.4	1.0	A	B	A	A	A	A	97.2	A
Average	24.8													95.8	A

VAB (Visible at Bottom)

DO (Dissolved Oxygen)

ND (No Data)

Customer Service

Payment Processing

During March, the Customer Service Team closed out the 1st Quarter Billing, sending out Past Due notices and processing nearly 2,300 late payments totalling \$357k. For the quarter we saw another incremental increase in the proportion of digital payments (versus paper check or cash) to 78.3%. Of these digital payments there was a marginal decrease in the number of payments made through the customer's bank online bill pay service, and an increase of 425 payments made by credit/debit card or eCheck. Curiously, more of these credit/debit card and eCheck payments came by phone, perhaps because we are encouraging customers to hold off on setting up AutoPay until we migrate to our new Customer Information System. In Q4 2022 we saw our first slight decrease in the number of payments made by credit/debit card. But in Q1 2023 we saw a rebound in the counts of credit/debit cards that brought it right back in line with historical trends.

Customer Information & Billing System

Significant activity continues with the preparations for the implementation of our new Customer Information and Billing System. The latest software release that contains numerous enhancements for our data and workflows is scheduled for the week of April 17. We are eager to review and gain experience in the new system in preparation for our revised “go live” the week of May 21.

Information Technology (IT)

Data Collection for Lift Station and Low Pressure Station Post-Storm Assessments Tool

Each year, Staff from Engineering and IT collaborate to update our Assessment Tool field apps used in damage assessment following a storm event. In prior years, staff would perform a manual reconciliation of over a thousand stations to add/remove stations from the inspection tools. To streamline this task to improve our efficiency and accuracy, the IT team worked with our GIS consultant to create an on-demand replica of our station data to be used in the data collection app.

With this new process, we will save time in preparing the tools for the upcoming storm season and be ready to train the various response teams well ahead of each hurricane season.

Data Analytics Improvements

There has been a flurry of activity of Staff reviewing and improving the analytics tools for our various data systems that serve the Engineering, Treatment, Reuse, Finance, Laboratory and Customer Service departments. A few examples include:

- Enhancing tools to explore our preventative/scheduled maintenance data for lift station wet well cleanings to understand the relationship of condition versus the scheduled maintenance visits. By improving our understanding of this relationship, we can plan our visits more efficiently by increasing or decreasing frequency as needed.
- Enhancements to our data visualization tools to monitor the delivery and utilization of IQ Water during this extremely dry period.
- And new visualizations of data from the SFMWD to improving our ability to quickly see the availability of water for supplemental flows that we will discuss during watershed status discussion.

Collectively, these readily accessible tools provide insight into data that help us be better informed and make better decisions.

Loxahatchee River Environmental Center

April 2023

River Center Summary Statistics



LRD'S ENVIRONMENTAL STEWARDSHIP DASHBOARD



		Total Visitors <small>(incl. Visitors, Field Trips, Onsite Programs)</small>	Average Program Participation <small>[Actual participants/Capacity of Program]</small>	Volunteer Engagement	1st Time Visitors	Visitor Satisfaction	Staff Overall Program Assessment	Expenses	Program Revenue
Benchmark / Customer Expectation		% of Target	% of Capacity	% of Target	% of Target	Rating Average <small>[Max Rating is 5]</small>	Rating Average <small>[Max Rating is 9]</small>	% within budget	% of Target
Blue Level		≥ 110%	≥ 95%						
Green Level		≥ 90%	≥ 85%	≥ 90%	≥ 90%	≥ 4	≥ 7	≥ 85% but ≤ 105%	≥ 90%
Yellow		≥ 75%	≥ 70%	≥ 75%	≥ 75%	≥ 3	≥ 5	≥ 80%	≥ 75%
Red		< 75%	< 70%	< 75%	< 75%	< 3	< 5	< 80% or > 105%	< 75%
2020 Baseline		35%	50%	70%	65%	4.6	7.8	81%	103%
2021 Baseline		113%	83%	102%	275%	4.7	7.8	92%	85%
2022 Baseline		81%	120%	75%	163%	4.6	7.9	91%	94%
2022	Mar	91%	90%	96%	110%	4.7	8.2	103%	103%
	Apr	104%	75%	136%	173%	4.9	7.9	97%	87%
	May	55%	86%	55%	147%	5.0	7.9	100%	153%
	June	86%	92%	105%	107%	4.8	8.0	100%	122%
	July	95%	84%	134%	164%	4.5	7.9	101%	123%
	Aug	88%	100%	147%	184%	3.8	8.0	91%	129%
	Sept	77%	86%	76%	178%	4.6	7.8	89%	120%
	Oct	79%	100%	118%	100%	4.9	7.4	55%	82%
	Nov	53%	104%	82%	111%	4.4	8.0	63%	88%
	Dec	94%	124%	50%	286%	4.6	7.9	96%	85%
2023	Jan	69%	76%	63%	338%	4.6	7.9	85%	92%
	Feb	79%	88%	82%	102%	4.7	7.8	85%	104%
	Mar	94%	91%	98%	304%	4.4	8.1	73%	87%
Consecutive Months at Green		1	2	1	13	7	13	0	0
Metric Owner		O'Neill	Duggan/Warwick	Patterson	O'Neill	O'Neill	O'Neill	O'Neill	O'Neill

Metric	Explanation
Expenses	We are running under the District's benchmark at the moment. Most of our expenses occur during the summer months. Purchases are being made now to prepare for this busy season.
Revenue	We had low attendance on some of our paid programs this month (Kayak, Fishing Clinic, Boating Safely, Archery). We experienced low attendance overall during Spring Break compared to prior years.

River Center General

Special Programs

Nature Hike – Pal Mar East [Friday, March 24th]

The River Center team facilitated a nature hike as part of our Spring Naturalist Series. 16 visitors and one staff member took a trip through the Pal Mar Natural Area. Pal Mar East (Nine Gems) is a 3,200-acre natural area that is located between Pratt Whitney Road and the Turnpike/I95, a couple miles north of the border between Palm Beach and Martin County. The trail took us through pine flatwoods and wet prairies. Participants walked along trails viewing snakes, Florida slash pines, saw palmetto, animal tracks, strangler fig trees, thistles, and butterflies.



Lecture Series [Friday, March 3rd]



CJ McCartney, Master Gardener, and Board Member for the Florida Wildflower Foundation, came to present about “Wildflowers, Pollinators and Why They Matter to us”. She spoke on the importance of planting native flowers and what native wildflowers look like. She also talked about the importance of having native pollinators present in your garden and in our ecosystem. CJ reviewed common threats to these native plants and pollinators and gave visitors ways to help our ecosystems. Fifty-five people came out to hear this lecture. Prior to the lecture a light lunch was provided.

Blooming in the Garden [Saturday, March 4th]

The Blooming in the Garden program is designed for children ages 3-6. The theme for this month was “Funny Bunnies.” We started by talking about what we know about rabbits, then made our own bunnies from socks (new ones!). Children and their new bunny friends then listened to a story about how rabbits survive and communicate with each other. We then moved to our garden where we searched for hidden facts about our Florida rabbits, the Eastern cottontail, and the marsh rabbit, so the children could teach them to their bunnies. When it was time to go home, the children received seeds to take home to start their own garden!



Atala Butterfly Festival [Saturday, March 11th]

Our annual Atala Butterfly Festival was successful and lots of fun for everyone. Over 200 people attended the event. Highlights of the event included two lectures given by Dr. Peter Lekos and CJ McCartney about Atala Butterflies and the importance of native plants, three plant vendors and the Native Plant Society, seed collecting and seed planting, a special story time given by Gail Gray Tanis (author of “Monica to Monarch”), a garden tour, and scavenger hunt. There were plenty of coonties, along with other native plants, for guests to purchase and take home to start their own Atala Butterfly populations. The coontie is the only host plant for the larval stage (caterpillar) of the Atala Butterfly. They were once thought to be extinct but have come back with the help of residents and businesses adding coonties to their landscaping.



Family Fishing Clinic [Friday, March 17th]



As part of our spring break activities, the River Center conducted a Family Fishing Clinic. We were assisted throughout this program by Beau Yeiser, Southeast Region Partnership Coordinator for Florida Fish and Wildlife Conservation Commission. This program began with a classroom session lasting about 45 minutes, where we covered fishing regulations, knot tying, various forms of tackle, fish identification, and the importance of safety while fishing. After the basics were covered, we went outside to try some casting with our fishing poles. The last 45 minutes of the clinic are just for fishing. Our guests bait their hooks and take to the dock to await their potential catches. It was a wonderful day to be outdoors with one catch for the day and the sighting of three baby River Otters. Six students participated in our Family Fishing Clinic.

Evening Lecture Series [Friday, March 17th]

Dr. George Rogers, Botanist, Taxonomist, and retired Professor and chair of Palm Beach State College's Environmental Horticulture Department came to present about "Weird Roles Plants Play in Human Affairs". Dr. Rogers, considered a leading authority on Florida native plants, has created various books designed to encourage native planting in our community, plus many field guides to help identify native plant species. His presentation reviewed the history of certain native plants, how they were used historically and how they are still used today. Fifty-seven people came out to hear this lecture. Prior to the lecture a snack was provided.



Science with Sam [Saturday, March 18th]

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 discussed species of animals that adapted to use electricity, why the animals use it, and how that helps them survive. Students also learned about Earth and natural electricity. 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.

Homeschool Workshop [Wednesday, March 15th]

The River Center conducted a homeschool workshop for students ages 7-10. This month's workshop was Fish Morphology. Students learned about how "form fits function", looking at fin shape, mouth shape, eye placement, coloration, and other physical features in a variety of fish species. They were given fish models to identify, and then went into the center to observe our aquarium fish. Finally, students used their new knowledge to design and create their own fish species using recycled materials.



Archery 101 [Tuesday, March 21st]

As part of our spring break programming, the River Center offered its first Archery 101 Beginners workshop 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 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. All equipment was purchased through a grant from the Florida Fish and Wildlife Conservation Commission (FWC).

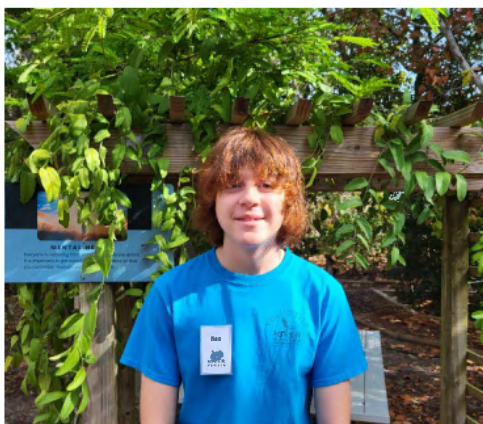


Kayak Tour - Intercoastal [Wednesday, March 22nd]

The River Center hosted an intercoastal Kayak Tour with thirteen participants as part of our spring break programming. This tour was a beginner's tour of Burt Reynolds Park and Fullerton Island. Once on the water, guests got firsthand experience testing their strokes and paddling around the park before crossing the channel and exploring the inside of Fullerton Island. Guests arrived back at Burt Reynolds Park to end the kayak tour.

Craft-A-Palooza [Thursday, March 23rd]

As part of the programs offered during spring break, the River Center held Craft-A-Palooza, an event that allows children and their families to make a variety of crafts free of charge. Craft stations were set up around the classroom, including feathered bird masks, binoculars, hand-print trees, butterfly fold-outs, and wooden animal magnets. Children used their binoculars to go "bird-watching" for birds hung up around the center and out in the garden. Some participants were regulars from story time, Blooming in the Garden or Science with Sam, and some were new



faces. This fun program is next scheduled for the week of July 4th.



Volunteer of the Month

Benjamin Dayko is our March 2023 Volunteer of the Month! Ben is willing to go above and beyond to complete tasks, help visitors and make sure that everything is running smoothly. He takes the initiative to ensure every guest is having a wonderful experience and provides wonderful information for our guests. Ben will step in and do what is necessary to help keep the Center looking amazing. Ben also loves to help staff set up and

run different events. Ben enjoys biking and hiking and loves to learn about our wonderful environment. He is also interested in learning more about the different animals at the center and would love to help feed and care for each of them. He has a great attitude around the center and is always willing to jump in and complete anything that is asked of him. We love having him volunteer and are grateful for his consistent support every week!

Upcoming River Center Events

RSVP at www.lrdrivercenter.org/events-calendar
rivercenter@lrcd.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.

April 21: 5:00 p.m. – 6:00 p.m.: Evening Lecture Series: Manta Rays: Join us at the River Center for our new evening lecture series! Our April evening speaker is Jessica Pate, Founder and Lead Scientist of the Florida Manta Project for the Marine Megafauna Foundation. Jessica Pate has an undergraduate degree from UNC-Chapel Hill and a graduate degree from Florida Atlantic University. She has studied sea turtles in Florida, Central America, and West Africa. She has also taught marine biology on traditionally rigged schooners and has crossed the Atlantic Ocean by sail. In 2016, Jessica started the Florida Manta Project to study the biology and ecology of manta rays in South Florida and has discovered a potential rare nursery habitat. Jessica will talk about manta ray biology and global manta ray conservation, as well what discoveries that she has made about Florida's manta rays. You will also find out how to become a citizen scientist and contribute to important manta ray research! Registration is required to attend.

April 22, 1:00 p.m. – 2:30 p.m.: Introduction to Volunteering: 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 – 2:30 PM. For questions or application information please contact our Volunteer Coordinator Emmy Weeks at 561-339-3107 or Volunteer@Lrcd.org

April 29: 8:30 a.m. – 12:30 p.m.: Girl Scouts – Fish Like a Girl: This first-time opportunity for Girl Scouts to get “hooked” on fishing with this workshop for older girls. Inspired by the “Run Like A Girl” video, we know that there are lots of things that we can do “like a girl.” Girls will learn the basics of fishing including knot tying, tackle, and casting. Other topics that will be covered are conservation, regulations, and fish identification. And, of course, we will be fishing!!! Price includes Fish Like a Girl Fun Patch

May 5: 12:00 p.m. – 1:00 p.m.: Lecture Series: Migrating Birds in South Florida: Bird migration is a wonder of nature! Florida is part of the Atlantic Flyway, which means that twice a year, for several weeks, millions of birds fly over and many stop over to visit in South Florida. Palm Beach County has winter residents, like Palm Warblers, and stopovers like Black-throated Blue Warblers, roosting, resting, and feeding along their way. The “whys and hows” of bird migration are still not fully understood but seeing birds migrating from far-away places (and near) in the fall and spring is one of the perks of living in South Florida. This presentation discusses bird migration between North America and tropical regions and the birds you might see, from plovers and terns on the shore to songbirds (warblers and hummingbirds) in your back yard and raptors in the sky!

May 6: 1 p.m. – 2 p.m.: Science with Sam [Estuary Explorations]: On select Saturdays from 1:00 pm – 2:00 pm, join our Scientist Sam for different science activities for children 6-12. Activities will include garden exploration and hands-on opportunities with wildlife. Each month has a different theme! In

this lesson students will be conducting a biodiversity survey in the estuary by using various nets to collect marine organisms in the water. This class will be outside in shallow water, water-shoes are required, nets will be provided.

May 13: 8:00 a.m. – 4:00 p.m.: Boating America Class: 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. There is no cost for this class, however there is a deposit required to reserve a seat. The deposit of \$10 will be refunded in full to all students who complete the class. Recommended for children 12 years and up, but all ages are welcome.

May 13: 10 – 11:30 a.m.: Blooming in the Garden [May Flowers]: Join the River Center for our Blooming in the Garden program, designed for children ages 3-6. The program will start at 10:00am at the River Center Chiki Hut with a story time and a garden themed craft. We will then move to our garden for a garden themed hands-on activity. When it is time to go home, children will receive seeds to take home to start their own garden! This is an exciting opportunity for little ones and their families to enjoy nature together!

May 17, 10 a.m. – 12 p.m.: Kayak Tour – Wild & Scenic Loxahatchee River: Join the River Center for our Public Kayak Tour on the anniversary of the Wild & Scenic designation for the Loxahatchee River. Paddle through the cypress swamp and travel back in time to when the Seminoles traveled the river. All equipment will be provided but interested participants should bring water shoes, sunscreen, and plenty of water! The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited! Kayak Difficulty Level: DIFFICULT – recommended for Intermediate to Advanced Paddlers.

May 20, 1:00 p.m. – 2:30 p.m.: Introduction to Volunteering: 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 – 2:30 PM. For questions or application information please contact our Volunteer Coordinator Rebecca Patterson at 561-339-3107 or Volunteer@Lrecd.org



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: April 12, 2023
Subject: District Safety Report for March 2023

Safety Metrics: March 2023

OSHA recordable injuries: Zero

Lost time injuries: Zero

Actual TRIR: 0.0 [Goal < 2.2]

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 has now experienced zero OSHA Recordable Injuries for **sixteen** consecutive months. The District has sustained a Total Recordable Incident Rate (TRIR) of **0.0**, below our goal of 2.2. The District continues to experience a performance best period (recent history) for consecutive months with no recordable injuries.

The District experienced zero Motor Vehicle Accident's (MVA) in March. With a total of two MVAs in the last 12-month period, the MVA incident rate is at 2.3. Slightly above the LRD MVA goal of 2.2.

Sustainment:

Job Hazard Assessment (JHA) activity levels in March increased about 6% comparable to February levels. The increase in activity is now the highest documented monthly total for the District. The following is a comparison of March JHA's performed per employee in each participating department:

Reuse:	22 JHA / employee	Construction:	11 JHA / employee
Operations:	37 JHA / employee	Inspection:	22 JHA / employee
Collections:	33 JHA / employee	Wild Pine Lab	2 JHA / employee
Maintenance:	40 JHA / employee		

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER

JHA and EAM:

The District has steadily increased JHA's created per work orders for the past four months. In March only 4% of the total JHA's were completed on paper. A total of 1276 JHA's were completed electronically through the EAM Work Order process during March. Approximately 97% of all EAM Work Orders included a completed JHA. Another positive indicator as the 95% expectation is met for the fourth consecutive month. Maintenance doubled the JHA output from February to March and gets the monthly shout-out. The department increased the work order related JHA input by 20 per employee while maintaining a 96% JHA to Work Order ratio. Inspection is runner up for increasing the monthly JHA output by 7 per employee and a 96% JHA to Work Order ratio. Another stellar month for District employees!

Near Miss Reporting:

There were 12 Near Miss reports initiated in March. Employees from Construction, Operations, Maintenance, Inspection and Collections all participated in this program in March. A phenomenal cross section of District participation. The hazards include lack of communication during manhole entry; trips, slips, and falls safety; equipment in need of repair; chlorine cylinder valve caps; inadequate space to safely perform a task; and safety equipment needing repaired. The Near Miss's are input into the Work Order system if corrective action is warranted. As the program matures the process is improving and becoming more efficient. We are starting to see more corrective actions being addressed monthly. Reporting safety issues in the Near Miss Reporting system includes Unsafe or Unhealthy Conditions, Environmental Pollution Potential, and Suggestions for Safety Process Improvement. This continuous improvement process will enhance the District's overall safety performance and help continue the streak of continuous months without a recordable injury. Your input is important, and each employee is encouraged to participate in this program.

Training:

District employees realized a 100% completion rate for all safety training tracked in March, exceeding the District goal of 95%. The focus in March was ladder safety, Lock-out/tag-out, confined space entry awareness, PPE, and Hazardous Communication. A District Operations employee, one Maintenance employee and a Collections employee are finalizing their CDL Class B License in March. All CDL Drivers who require a tanker endorsement have now obtained tanker endorsements. Congratulations on a job well done.



At left, Anthony Nicoletto and John Smith wash the backwash basin while the vacuum truck collects debris.

At right, Alex Smith and Brian Davis control the vacuum truck suction tube.



A total of 12 Workplace inspections occurred in February. District jobs that were observed included Backwash recovery basin cleaning, chlorine building cylinder replacement, head works grit classifier inspection support, backwash recovery basin motor removal, District AED inspections, backwash recovery basin motor periodic maintenance, and various near miss report evaluations including facility tripping hazards and fall prevention concerns.

District employees continue to focus on safety daily. **Sixteen** consecutive months of injury-free work is a trend all employees should feel good about. Congratulation to all District employees without whom this feat could not be accomplished. Injury free work demonstrates dedication to work smart and stay focused on safety components of each task. Experienced District employees are leading the way by working safely and setting the example. Let's stay safe at home and at work. Feel free to visit 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.



Left: Bob Haag and Kemm Peebles control the service truck hoist to remove the motor from the backwash recovery basin.

Right: Bob Haag safely unloads the backwash recovery basin motor from the fork truck lifting device hook.





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: Administration Staff
DATE: April 14, 2023
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	\$ 10,333.10	\$ 71,368.05
Baxter & Woodman	\$ 194,300.58	\$194,300.58
Chen Moore	\$ 23,106.00	\$ 58,176.06
Holtz	\$ 73,487.47	\$217,372.26
KCI	\$ 1,919.00	\$ 79,397.50
Mock, Roos & Associates	\$ 20,424.25	\$ 88,294.00
Kimley-Horn & Associates, Inc.	\$ 31,885.00	\$ 41,188.00

Should you have any questions regarding these items, please contact Kara Fraraccio concerning the attorney invoices, and Kris Dean concerning the engineer invoices.

Dr. Matt H. Rostock
CHAIRMAN

Kevin L. Baker
BOARD MEMBER

Gordon M. Boggie
BOARD MEMBER

Stephen B. Rockoff
BOARD MEMBER

Clinton R. Yerkes
BOARD MEMBER



Future Business

General:

- Board Presentation of select Six Sigma green belt projects

Future Contracts:

- Lift Station 054 System Cleanout Installation - Construction Contract Award
- Lift Station 050 Emergency Generator and Automatic Transfer Switch – to approve Professional Engineering Services Agreement
- County Line Road Bridge IQ Main Relocation - Award Construction Contract
- Loxahatchee River Subaqueous Force Main Replacement – Award Construction Contract
- Rolling Hills Gravity Sewer System – Preliminary Assessment
- Lift Station Control Panel and RTU Upgrades – Award Construction Contract
- FY23/FY24 Main Lining – Award piggy back contract

