

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



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

AGENDA REGULAR MEETING #21-2016 DECEMBER 15, 2016 – 7:00 PM AT DISTRICT OFFICES ALL MEETINGS ARE OPEN TO THE PUBLIC

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. LRECD v RSUI – to approve settlement agreement **Page 34**
 - C. Alternate A1A bridge force main Joint Project Agreement **Page 35**
 - D. Executive Director’s Annual Review **Page 36**
7. Reports (see next page) Pulled for Discussion
8. Future Business **Page 78**
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 will need a record of the proceedings, and that, for such purpose, he 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: December 5, 2016

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
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. Turtle Creek Subsystem 3 – Notice of Intent to Assess (Res. 2016-37) **Page 14**
- B. Legal Representation (Mathison Whittles) – to increase purchase order amount **Page 22**
- C. Policy and Procedures – review and modifications **Page 23**
- D. Portable generators – to approve purchase **Page 25**
- E. Disposal of Fixed Assets **Page 27**
- F. Change Orders to Current Contracts – to approve modifications **Page 30**

7. REPORTS

- A. Neighborhood Sewering **Page 38**
- B. Legal Counsel’s Report **Page 41**
- C. Engineer’s Report **Page 42**
- D. Busch Wildlife Sanctuary **Page 48**
- E. Friends of the Loxahatchee River **Page 49**
- F. Director’s Report **Page 55**

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

MEMORANDUM

TO: Governing Board
FROM: Recording Secretary
DATE: December 7, 2016
RE: Approval of Meeting Minutes

Attached herewith are the minutes of the Public Hearing and Regular Meeting of November 17, 2016. As such, the following motion is presented for your consideration.

“THAT THE GOVERNING BOARD approve the minutes of the November 17, 2016 Public Hearing and Regular Meeting as submitted.”

J:\BOARD\MinutesSamples\MinutesMemo.docx

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Ref. 19-2016

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
PUBLIC HEARING – MINUTES
NOVEMBER 17, 2016

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Boggie called the Public Hearing of November 17, 2016 to order at 6:58 P.M.

2. ROLL CALL

The following Board Members were in attendance:

Mr. Rockoff
Mr. Silverman
Mr. Snyder

3. TO RECEIVE PUBLIC COMMENTS PERTAINING TO FINAL ASSESSMENT ROLL FOR
17726 CARVER AVE.

No comments were received.

4. COMMENTS FROM THE BOARD

No comments from the Board were received.

5. ADJOURNMENT

Chairman Boggie adjourned the Public Hearing at 7:00 P.M.

BOARD CHAIRMAN

BOARD SECRETARY

RECORDING SECRETARY

Ref: #20-2016

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
REGULAR MEETING - MINUTES
NOVEMBER 17, 2016

1. CALL TO ORDER

Chairman Boggie called the Regular Meeting of November 17, 2016 to order at 7:01 pm.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance.

Mr. Silverman
Mr. Snyder
Mr. Boggie
Mr. Rockoff arrived at 7:01
Dr. Rostock arrived at 7:03

Staff Members in attendance were Dr. Arrington, Mr. Yerkes, Mr. Dean, Ms. Peterson, Mr. Howard, Mr. Cruz, Mr. Reynolds and Mr. Vaughn.

Consultants in attendance were Mr. Muniz from Hazen and Sawyer, Ms. Miranda and Mr. Holtz from Holtz Consulting, Ms. Marshall and Mr. Pugsley from Mathews, Mr. Prinyavivatkul from Arcadis and Mr. Shenkman with DeSantis, Gaskill.

Mr. Hitzig from Busch Wildlife Sanctuary was also in attendance.

B. PREVIOUS MEETING MINUTES

The minutes of the Regular Meeting of October 20, 2016 were presented for approval and the following motion was made.

MOTION: Made by Mr. Silverman, Seconded by Mr. Snyder,
Passed Unanimously.

“THAT THE GOVERNING BOARD approve the minutes of the October 20, 2016 Regular Meeting as submitted.”

C. ADDITIONS & DELETIONS TO THE AGENDA

No changes were made.

3. COMMENTS FROM THE PUBLIC

During the Jupiter Farms discussion, Mr. Dan Dubois (representing Alden Dubois of 18030 Dubois Lane) stated that he was prepared to file suit to stop the mandatory connection of the Alden Dubois property. Mr. Dubois provided written communication to the Governing Board, Executive Director and legal counsel, and requested the District's response by December 16, 2016.

4. STATUS UPDATES

A. LOXAHATCHEE WATERSHED STATUS

Mr. Howard gave a summary of the many restoration projects completed by the Loxahatchee River Preservation Initiative (LRPI) and gave an overview of some of the upcoming 2018 fiscal year projects and their respective rankings.

B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

5. CONSENT AGENDA

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

“THAT THE GOVERNING BOARD approve the Consent Agenda of November 17, 2016 as presented.”

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

A. Rescind Notice of Intent to Assess – Harken Terrace Services (Res. 2016-04)

“THAT THE GOVERNING BOARD approve termination of the Pending Lien Notice for the SE Harken Terr. Services Assessment Area.”

B. Amend Notice of Intent to Assess – Shay Place (Res. 2016-26)

“THAT THE GOVERNING BOARD approve the amended Pending Lien Notice for the Shay Place Assessment Area.”

C. Whispering Trails – Notice of Intent to Assess (Res. 2016-27)

“THAT THE GOVERNING BOARD approve Resolution 2016-27, the Notice of Intent to Assess, the Pending Lien Notice, and the Exhibits for the Whispering Trails Assessment Area.”

D. Whispering Trails – approve engineering contract

“THAT THE DISTRICT GOVERNING BOARD authorize award of contract to Mathews Consulting for provision of Engineering Services for the Whispering Trails-Gravity Sewer System in accordance with their proposal dated November 2, 2016, and in the amount of \$502,677.00,

and

A contingency amount of \$5,000.00”

E. 17726 Carver Ave – Final Assessment (Res. 2016-33)

“THAT THE GOVERNING BOARD approve Resolution 2016-33 adopting the 17726 Carver Ave. Final Assessment Roll and Exhibits.”

F. Turtle Creek Subsystem 1 – Notice of Intent to Assess (Res. 2016-34)

“THAT THE GOVERNING BOARD approve Resolution 2016-34, the Notice of Intent to Assess, the Pending Lien Notice, and the Exhibits for the Turtle Creek Subsystem 1 Assessment Area.”

G. Hyland Terrace SE Phase II – Notice of Intent to Assess (Res. 2016-35)

“THAT THE GOVERNING BOARD approve Resolution 2016-35, the Notice of Intent to Assess, the Pending Lien Notice, and the Exhibits for the Hyland Terrace Phase II Assessment Area.”

H. 10957 SE Harken Terrace – Notice of Intent to Assess (Res. 2016-36)

“THAT THE GOVERNING BOARD approve Resolution 2016-36, the Notice of Intent to Assess, the Pending Lien Notice, and the Exhibits for the 10957 SE Harken Terrace Assessment Area.”

I. Turtle Creek Subsystems 2 & 3 – approve engineering contract

“THAT THE DISTRICT GOVERNING BOARD authorize award of contract to Holtz Consulting Engineers for provision of Engineering Services for Turtle Creek Subsystem 2 & 3 Gravity Sewers in accordance with their proposed Work Authorization: 2015-08 in an amount Not to Exceed \$112,900.00.

and

A contingent amount of \$2,500.00”

J. R&R Case Skid Steer Loader – to approve equipment purchase

“THAT THE DISTRICT GOVERNING BOARD authorize the purchase of 1 new Case TR340 Skid Steer unit from Trekker Tractor, LLC in accordance with Florida Sheriffs Association Contract #FSA16-VEH14.0/Specification #28, in the amount of \$58,524.33.”

K. Alternate A1A Bridge Force Main – to approve engineering services contract

“THAT THE DISTRICT GOVERNING BOARD authorize award of contract to Hazen & Sawyer for provision of Engineering Construction Services for the Alt. A1A (Damon) Bridge 16” Force Main in accordance with the November 4, 2016 proposal and Not to Exceed \$63,899.00, contingent upon District acceptance and award of the construction contract.”

L. Change Orders to Current Contracts – to approve modifications

No change orders were submitted.

6. REGULAR AGENDA

A. Consent Agenda Items Pulled for Discussion.

No items were pulled.

B. Proposed Jupiter Farms Elementary Force Main

Dr. Arrington discussed the proposed force main to extend service to the Jupiter Farms Elementary School.

Mr. Matthew Gitkin, President of the Jupiter Farms Community and Ms. Susan Kennedy, President of the Loxahatchee River Coalition expressed concern for the proposed project.

Chairman Boggie explained that the Motion regarding the proposed sewerage contained sizing and design specifications currently anticipated to complete the project, but that final sizing and design ultimately would be determined by District Engineering staff.

MOTION: Made by Mr. Rockoff, Seconded by Dr. Rostock,
Passed unanimously.

“THAT THE DISTRICT GOVERNING BOARD states its intent to collaborate with the School District of Palm Beach County, FL to design and construct a 4 inch diameter wastewater force main from the western terminus of the existing 6 inch force main to Jupiter Farms Elementary, and directing staff to design and construct the proposed 4 inch wastewater force main without a service or point of connection for residential properties.”

C. Odor Control Chemicals – approve extension of contract

Ms. Peterson reviewed the contract extension with Evoqua Water Technologies, Inc.

MOTION: Made by Mr. Snyder, Seconded by Mr. Silverman,
Passed unanimously.

“THAT THE DISTRICT GOVERNING BOARD authorize a three month extension to our

piggyback of the Manatee County contract for odor control and corrosion control services with Evoqua Water Technologies, Inc. and authorize Purchase Order #16-1486, in an amount not to exceed \$400,000.”

D. Gravity Service Lateral Lining Project

Mr. Yerkes reviewed the LKM Pipe Renewal, LLC contract.

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

“THAT THE DISTRICT GOVERNING BOARD authorize award of contract to LMK Pipe Renewal, LLC for collection system Cleaning, TV Inspection and Lining in accordance with their proposal dated August 11, 2016 in the amount of \$138,005.00.

and

THAT THE DISTRICT GOVERNING BOARD authorize a contingency amount not to exceed \$40,000.00.”

E. Gravity Sewer Main Lining Project

Mr. Yerkes reviewed the Layne Inliner, LLC contract.

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

“THAT THE DISTRICT GOVERNING BOARD authorize award of contract to Layne Inliner, LLC for collection system Cleaning, TV Inspection and Lining in accordance with their proposal dated August 1, 2016 in the amount of \$96,410.00.

and

THAT THE DISTRICT GOVERNING BOARD authorize a contingency amount not to exceed \$40,000.00.”

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. FRIENDS OF THE LOXAHATCHEE RIVER

F. DIRECTOR'S REPORT

8. FUTURE BUSINESS

Mr. Shenkman requested an Executive Attorney/Client Session along with special litigation counsel John Whittles to discuss pending litigation with RSUI.

MOTION: Made by Mr. Silverman, Seconded by Mr. Snyder,
Passed unanimously.

“THAT THE GOVERNING BOARD accept the request of Loxahatchee River Environmental Control District Counsel to schedule an Executive Session to discuss pending litigation with RSUI.”

9. COMMENTS FROM THE BOARD

No comments were received.

10. ADJOURNMENT

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

“That the Regular Meeting of November 17, 2016 adjourn at 8:09.”

BOARD CHAIRMAN

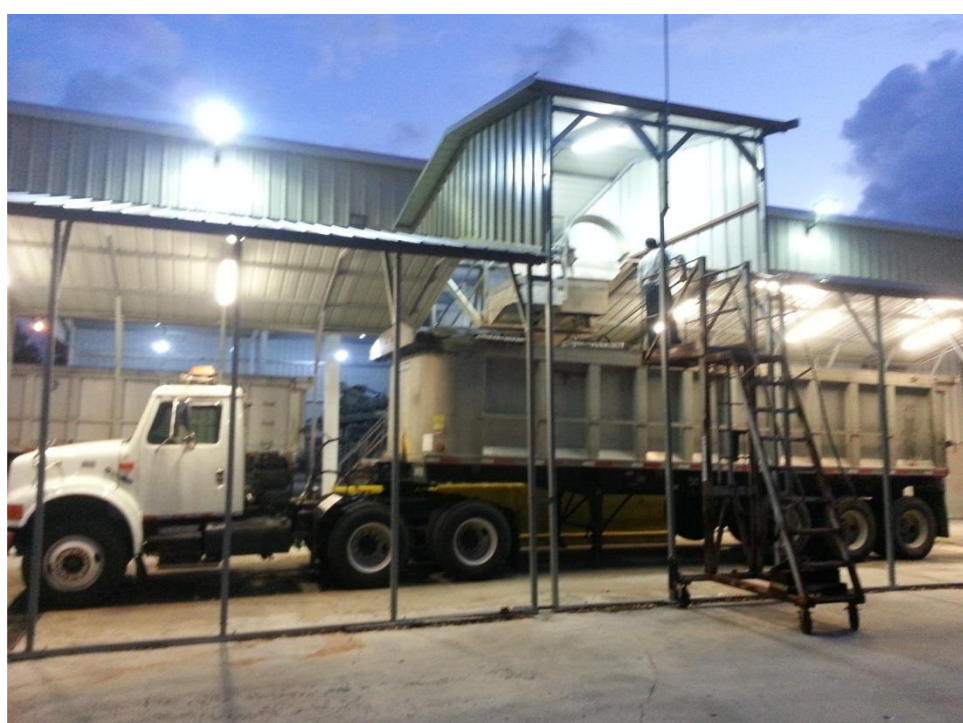
BOARD SECRETARY

RECORDING SECRETARY



Loxahatchee River Watershed Status Dewatering Building Updates

This month we will discuss major improvements we have made to our Dewatering Building, aka Biosolids or Sludge Building. Improvements include fabricating new I-beam bases, installing a new roof, wall panels, covered truck loading area, etc. We will also briefly discuss the forthcoming work to improve process controls, including automation, in this important part of our wastewater treatment process. We're excited to tell you what's been accomplished, and what we have planned.



LOXAHATCHEE RIVER DISTRICT'S EXECUTIVE DASHBOARD



Stewardship		Wastewater						Engineering	General Business					EHS	River Health			
# People educated at RC		Mean Daily Incoming Flow	Delivery of Reclaimed Water	Customer Service	Sewer Overflow	Permit exceedance	NANO Blend to Reuse (@ 511)	Grease Interceptor Inspections	Cash Available	Revenue (non-assessment)	Operating Expenses	Capital Projects			Employee Safety	Lainhart Dam Daily Flow	Salinity @ NB seagrass beds	River Water Quality
Benchmark / Customer Expectation	# people	million gallons/day	# days demand not met	# blockages with damage in home	# occurrences	# occurrences	Max Specific Conductance (umhos/cm)	% requiring pump out	\$	% of Budget	% of Budget	% within budget	% on time	# of OSHA recordable injuries	Flow (cfs)	%	Fecal Coliform Bacteria (cfu/100ml)	
Green Level	≥ 1,500	< 7.7	Zero	Zero	Zero	Zero	<1542	≤ 15	≥ \$9,894,657	≥ 95%	≥ 85% but ≤ 105%	≥ 80%	≥ 80%	Zero	mean ≥ 69	min ≥ 20 ‰	90% of sites ≤ 200	
Yellow	≤ 1,500	< 8.8	≥ 2	1	≤ 2	1	≤1875	≤ 25	< \$9,894,657	≥ 90%	≥ 80%	≥ 60%	≥ 60%	-	mean ≥ 35	min ≥ 10 ‰	2 or more sites >200 but ≤ 400	
Red	≤ 1,250	≥ 8.8	≥ 9	≥ 2	> 2	≥ 2	>1875	> 25	< \$5,557,057	< 90%	< 80% or > 105%	< 60%	< 60%	≥ 1	min < 35	min < 10 ‰	≥ 2 sites > 400	
2012 Baseline	1,691	6.7	0	0	1	1	1,162		\$ 21,205,340	101%	86%	95%	87%	0	108	22	1 > 200	
2013 Baseline	2,118	6.8	1	0	1	0	1,029		\$ 25,550,033	105%	91%	88%	52%	0	132	20.0	1 > 200	
2014 Baseline	2,120	6.8	0	0	1	0	978	11	\$ 27,415,251	102%	104%	95%	86%	0	140	21.9	1 > 200	
2015 Baseline	2,139	6.8	0	0	1	0	1,093	14	30,199,659	104%	111%	92%	78%	0	78	24.8	0 > 200	
2015	Nov	1,276	6.5	0	0	4	1026	15	\$ 32,678,126	94%	78%	100%	82%	0	58	30.1	0 > 200	
	Dec	1,405	7.2	0	0	0	1023	20	\$ 32,536,481	94%	82%	100%	82%	0	196	13.9	2 > 200	
2016	Jan	1,689	7.6	0	0	1	962	14	\$ 33,243,678	94%	82%	100%	82%	0	160	11.0	0 > 200	
	Feb	2,811	7.6	0	0	3	903	15	\$ 34,527,506	95%	83%	100%	82%	0	193	8.6	0 > 200	
	Mar	2,934	7.4	0	0	2	1042	14	\$ 33,770,240	96%	86%	100%	82%	0	115	12.4	1 > 200	
	Apr	1,866	6.9	0	0	2	974	15	\$ 33,632,921	95%	90%	100%	82%	0	117	9.3	0 > 200	
	May	1,667	6.6	0	0	0	1074	10	\$ 34,108,220	96%	90%	100%	82%	0	25	16.4	0 > 200	
	June	2,842	6.3	0	0	0	1076	10	\$ 32,610,630	96%	90%	100%	82%	0	124	23.7	1 > 200	
	July	2,942	6.0	3	0	0	1170	3	\$ 32,930,264	96%	90%	100%	75%	0	82	27.0	1 > 200	
	Aug	2,164	6.1	0	0	0	1177	10	\$ 33,614,905	96%	89%	100%	75%	0	86	22.5	3 > 200	
	Sept	1,260	6.1	0	0	0	1130	14	\$ 31,704,142	96%	90%	100%	75%	0	144	19.3	1 > 200; 2 > 400	
	Oct	2,729	6.4	0	0	2	1130	12	\$ 32,240,265	92%	66%	100%	100%	0	150	14.7	0 > 200	
	Nov	1,536	6.4	1	0	2	1080	14	\$ 33,915,704	92%	74%	100%	100%	0	24	25.0	0 > 200	
Consecutive Months at Green	2	90	4	16	0	40	75	11	90	56	0	15	2	14	0	1	2	
Metric Owner	O'Neill	Vaughn	Vaughn	Dean	Dean	Vaughn	Vaughn	Dean	Peterson	Peterson	Peterson	Yerkes	Yerkes	Vaughn	Howard	Howard	Howard	

Metric
Sewer Overflow
Operating Expenses
Lainhart Flow

Explanation

(1) A minor overflow occurred on Saturn Ln when an air release valve malfunctioned on a 2" low pressure force main. (2) A sewer overflow occurred at 18577 Federal Highway when the property owner removed a large tree and damaged the 1.25" low pressure transmission line on their property. In the beginning of the fiscal year our actual expenses are below straight-line budget projections. You can see our expense spending is slightly behind where we were last November. Lainhart Dam minimum flow was 24 cfs. Flows were less than the minimum flow of 35 cfs for 7 days. Flows were <50 cfs an additional 10 days. Only 0.11" of rain occurred in November, 2016. During these very dry periods, supplemental flows are critically needed to improve conditions for the cypress floodplain.

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



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

MEMORANDUM

TO: Governing Board
FROM: D. Albrey Arrington, Executive Director
DATE: December 7, 2016
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. Turtle Creek Subsystem 3 – Notice of Intent to Assess (Res. 2016-37)
- B. Legal Representation (Mathison Whittles) – to increase purchase order amount
- C. Policy and Procedures – review and modifications
- D. Portable generators – to approve purchase
- E. Disposal of Fixed Assets
- F. Change Orders to Current Contracts – to approve modifications

Should you have any questions in regard to 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 December 15, 2016 as presented."

Signed,

D. Albrey Arrington
Executive Director

L:/Board/Consent

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

TIMOTHY W. GASKILL
*Business, Probate
Family Litigation*



LEGAL ASSISTANTS
**CIVIL TRIAL, PROBATE
AND FAMILY LAW**
KAREN M. BOYDEN-LOPATOSKY
MINDY VASSER

DONALD R. SMITH
*Personal Injury & Wrongful Death
Commercial Litigation*

DESANTIS, GASKILL, SMITH & SHENKMAN, P.A.

ATTORNEYS & COUNSELORS AT LAW

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ROBIN B. MODLIN, CP
HEATHER SHEFLIN

REAL ESTATE
JUDY D. MONTEIRO
DENISE B. PAOLUCCI
SABRINA VALENTIN

CURTIS L. SHENKMAN
*Board Certified
Real Estate Attorney*

BROOKE GROGAN
Attorney

November 30, 2016

Sent by email

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

Re: Initial Resolution for **TURTLE CREEK SUBSYSTEM 3** Assessment Area

Dear Dr. Arrington and Mr. Yerkes:

Per your request, please attach to this letter the Pending Lien Notice, Notice of Intent to Assess, Resolution 2016-37, the PROPOSED "Exhibit B Description of Improvements", "Exhibit B Map of the Assessment Area", and preliminary List of Property Owners.

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

"THAT THE GOVERNING BOARD approve Resolution 2016-37 the NOTICE OF INTENT to Assess, the Pending Lien Notice, and the Exhibits for the **TURTLE CREEK SUBSYSTEM 3** Assessment Area."

I will bring the originals to be signed at the Governing Board meeting. Thereafter the District will record in the Public Records.

Sincerely,

Curtis L. Shenkman

Curtis L. Shenkman

RETURN TO: WC-53
Curtis L. Shenkman, Esquire
DeSantis, Gaskill, Smith & Shenkman, P.A.
11891 U.S. Highway One
North Palm Beach, Florida 33408

PENDING LIEN NOTICE
TURTLE CREEK SUBSYSTEM 3 ASSESSMENT AREA

THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, a special district of the State of Florida, created in 1971 and existing pursuant to Chapter 2002-358, Laws of Florida (hereinafter referred to as the “District”), hereby clarifies the lien status of the “Notice of Intent to Assess” attached hereto and made a part hereof (referred to as the “Pending Lien”).

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

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

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

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

IN WITNESS WHEREOF, the undersigned, Executive Director of the Loxahatchee River Environmental Control District, herein certifies that on this 15th day of December, 2016, the information contained herein is true and accurate.

WITNESSES: LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT

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

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this 15th day of December, 2016, 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
Special/Assessment/PendingLienNotice

RETURN TO: WC-53
Curtis L. Shenkman, Esquire
DeSantis, Gaskill, Smith & Shenkman, P.A.
11891 U.S. Highway One
North Palm Beach, Florida 33408

**NOTICE OF INTENT TO ASSESS
TURTLE CREEK SUBSYSTEM 3 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 15th day of December, 2016, passed Resolution **2016-37**, authorizing the construction of certain local sewer improvements as further described in said Resolution **2016-37**, which is attached hereto as Exhibit “A”. It is the intent of the District to assess the owners of property specially benefited by such sewer improvements, which property is further described on the attached **Exhibit “B”**, and to apportion the District’s costs for the total expenses related to the design and construction of said improvements, based upon each owner’s proportionate share of said costs determined upon a square footage basis, or by other methods as the Governing Board may deem fair and equitable, pursuant to the Act and Rules of the District, as same may be amended from time to time hereafter.

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

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

IN WITNESS WHEREOF, the undersigned, Executive Director of the Loxahatchee River Environmental Control District, hereby certifies on this 15th day of December, 2016, 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 this 15th day of December, 2016, 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

Special/Assessment/NoticeIntentToAssess

RESOLUTION 2016-37

A RESOLUTION OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT RELATING TO **TURTLE CREEK SUBSYSTEM 3** 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 **TURTLE CREEK SUBSYSTEM 3** Assessment Area (the “Area”) in Martin 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 “**TURTLE CREEK SUBSYSTEM 3** 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 **TURTLE CREEK SUBSYSTEM 3** 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 **TURTLE CREEK SUBSYSTEM 3** Assessment Area Improvements shall be available for inspection in the Office of the

Executive Director, Loxahatchee River Environmental Control District, 2500 Jupiter Park Drive, Jupiter, Florida 33458. The District’s Engineer shall make available said plans and specifications prepared incident thereto, for inspection in the Office of the District’s Engineer.

Section 6. Assessment Roll:

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

Section 7. Availability for Connection and Required Connection:

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

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

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

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

PASSED AND ADOPTED BY THE GOVERNING BOARD OF THE LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT, THIS 15th DAY OF DECEMBER, 2016.

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
VOTE

GORDON M. BOGGIE, Chairman

STEPHEN ROCKOFF

HARVEY M. SILVERMAN

JAMES D. SNYDER

DR. MATT H. ROSTOCK

EXHIBIT "B"

TURTLE CREEK - SUBSYSTEM 3 SEWER SYSTEM ASSESSMENT AREA



LEGEND

- NOT IN ASSESSMENT AREA
- EXISTING GRAVITY
- EXISTING MANHOLE
- PROPOSED GRAVITY
- PROPOSED MANHOLE

MARTIN COUNTY, FLORIDA

EXHIBIT “B”

PROPOSED SEWER SERVICE ASSESSMENT AREA

TURTLE CREEK SUBSYSTEM 3 ASSESSMENT AREA

The properties to be provided sewer service are located within Sections 22 and 23, Township 40 South, Range 42 East, Unincorporated Martin County, Florida and lies within the following general boundaries:

On the North by the Turtle Creek Golf Course;
On the South by S.E. Country Club Drive;
On the East by N. Fork by the Turtle Creek Village Golf Course; and
On the West by S.E. Country Club Drive.

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

500 Lineal feet of 8” Gravity Main
5 Services

Mr. & Mrs. Jason Lovelady
re: 122 SE Turtle Creek Dr
122 SE Turtle Creek Dr
Tequesta FL 33469
22-40-42-015-004-00010-5

Mr. & Mrs. Paul Herchen
re: 126 SE Turtle Creek Dr
126 SE Turtle Creek Dr
Tequesta FL 33469
22-40-42-015-004-00020-3

Mr. Bruce Reid
re: 128 SE Turtle Creek Dr
1 Owens Ct
Martinsville NJ 08836
22-40-42-015-004-00040-9

Mr. & Mrs. Paul Hartman
re: 130 SE Turtle Creek Dr
130 SE Turtle Creek Dr
Tequesta FL 33469
22-40-42-015-004-00050-6

Mr. & Mrs. Robert Wong
re: 132 SE Turtle Creek Dr
4 Gatehall Dr
Parsippany NY 07054
22-40-42-015-004-00060-4

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458-8964

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org

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



DATE: DECEMBER 2, 2016

DEPARTMENT: EXECUTIVE, D. Albrey Arrington, Ph.D.

PURCHASE AMT.: not to exceed \$91,000

BUDGET: \$60,000 for FY2017

ACTION REQUEST: Authorization to increase purchase order from \$75,000 to \$91,000

DESCRIPTION: John Whittles, of Mathison Whittles, LLP, has been representing the District as we pursue action against RSUI for failure to defend the District under our Director and Officers Liability policies. The existing Purchase Order with Mathison Whittles, LLP is for \$75,000. I am seeking your approval to increase the existing purchase order from \$75,000 to an amount not to exceed \$91,000.

Mediation occurred on November 1st, and resulted in a proposed Settlement Agreement that will be brought to you for approval under agenda item 6B. I will be prepared to give you an update on the status of this case at your individual briefings.

This action is needed to increase the existing purchase order, so that all remaining invoices from Mathison Whittles can be paid.

I recommend the Board consider the following motions:

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to increase PO #47794 to Mathison Whittles, LLP to an amount not to exceed \$91,000.”

F:\Albrey\Board Memos\2016_Dec_Mathison-Whittles.docx

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

MEMORANDUM

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

FROM: Bud Howard, Director of Information Services

DATE: December 9, 2016

SUBJECT: Policy & Procedure Revision for Customer Service

In March 2016, the District’s Governing Board approved the District’s Lien Procedure Policy, which focused on delinquent quarterly sewer services.

In an effort to further standardize and clarify our procedures and supplement our Rules, staff and legal counsel have worked together to expand this policy to address accounts that are currently in (or entering) Mortgage Foreclosure, as well as delinquent connection charges. The revised policy is attached with redline/strikeout formatting.

Staff offers the following motion for consideration:

“THAT THE DISTRICT GOVERNING BOARD authorizes the Executive Director to implement the attached revisions to District’s Customer Service Lien Procedure Policy with an effective date of January 1, 2017.”

Dr. Matt H. Rostock
Board Member

Stephen B. Rockoff
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

DRAFT Loxahatchee River District

Policy: Customer Service Lien Procedure	Effective Date: 1/1/2017
Purpose: To improve and clarify the lien process	
Policy #: <i>to be determined</i>	
<p>Procedures:</p> <ol style="list-style-type: none"> 1. Attorney shall send a ‘final notice before lien’ letter to all accounts found to be delinquent for three (3) quarters of Quarterly Service Charge for Sewer Service and have a delinquent balance of \$100.00 or more. The standardized attorney charge for this letter is \$100.00; notwithstanding, actual reasonable attorney fees may be charged. 2. Any service charges found to be delinquent for four (4) quarters shall be subject to an interest charge at a rate of 12% per annum from the date in which the balance was due (i.e., the bill due date). 3. Attorney shall perfect liens for all accounts found to be <ol style="list-style-type: none"> a. In Mortgage Foreclosure, or the District is served a Summons and Complaint related to Mortgage Foreclosure; or b. where Quarterly Service Charge for Sewer Service are delinquent for four (4) quarters and have a delinquent balance of \$250.00 or more; or c. where connection fees have not been paid within 14 months of sewer being deemed available. 4. The standardized attorney charge for perfecting a lien is \$250.00; notwithstanding, actual reasonable attorney fees may be charged. 5. Attorney shall amend liens annually for all accounts found to have a balance greater than \$250.00. be delinquent for an additional four (4) quarters of Quarterly Service Charge for Sewer Service and have a delinquent balance of \$250.00 or more. The standardized attorney charge for perfecting a lien amendment shall be \$200.00; notwithstanding, actual reasonable attorney fees may be charged. 	
Authority: LRECD Enabling Act Section 8; Chapter 31-10.009	
Authorized:	Date:
Approved:	Date:
Revised:	

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

MEMORANDUM

TO: D. ALBREY ARRINGTON, Ph.D.
Executive Director

FROM: CLINTON R. YERKES *CRY*
Deputy Executive Director

DATE: DECEMBER 7, 2016

SUBJECT: GENERATOR PURCHASE
Award of Contract

This is a budgeted item for the current fiscal year in the amount of \$140,000.00. The requested authorization is \$61,800.00.

The requested purchase is for 2 new Wacker, portable generators, used during commercial power outages to provide temporary power to lift stations.

This purchase is being made as a “piggy-back” to the Florida Sheriff’s Association & Florida Association of Counties (FSA&AC) Contract for 80kW Mobile Generators. Last year’s purchase of generators was also performed under the FSA&AC Contract.

The following motion is suggested:

“THAT THE DISTRICT GOVERNING BOARD authorize the purchase of 2 new 38kW Wacker Neuson G50 Heavy-Duty Mobile Generators from Kelly Tractor Co., under the Florida Sheriff’s Association & Association of Counties contract #16-VEH14.0, Specification #71 and in accordance with their Quote dated December 5, 2016 , in an amount not to exceed \$61,800.00.”

Should you have any questions please contact me or Tom Vaughn.

V:/cip/proj/misc equip/generators/2017/Board memo

Gordon M. Boggie
Board Member

Dr. Matt H. Rostock
Board Member

Stephen B. Rockoff
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member



Kelly Tractor Co.
Serving the industry since 1933
ktrcat@kellytractor.com
www.kellytractor.com

**WACKER
NEUSON**



December 5, 2016
Loxahatchee River District
ATTN: Kevin Skellenger

**REF: Quoted as per Florida Sheriff's Association Contract # FSA16-VEH14.0
Specification #71 Wacker Neuson Heavy-Duty Mobile Generator quote:**

G50

5200014319 Wacker Neuson G50 Generator, Isuzu Tier 4F engine, 89gal tank,
38kW/50kVA prime, 120/240V single phase, and 208/480V three phase
00009302 MGT2E Single Axle Trailer with 3" Pintle Hitch and Electric Brakes

CONTRACT PRICE \$ 32,839
LESS ADDITIONAL DISCOUNT - 1,939
G50 TOTAL \$ 30,900

	<u>Qty.</u>	<u>Unit Price</u>	<u>Extended Price</u>
G50	2	\$ 30,900	\$ 61,800

QUOTE GRAND TOTAL \$61,800

Delivery included
Standard Warranty: 2 years/2000 hours Parts and Labor
Thank you for consideration of our product. Quote is valid for sixty days.
Greg Bennett
Governmental Sales
305-592-5374 ext 1121
Cell 786-229-7037
Fax 305-477-2024
greg_bennett@kellytractor.com
www.kellytractor.com/Governmental

Miami
8255 NW 58 St
Miami, FL 33166
(305) 592-5360
FAX (305) 477-2024

Davie
2801 Reese Rd
Davie, FL 33314
(954) 581-8181
FAX (954) 581-6464

West Palm Beach
5400 Okeechobee Blvd
West Palm Beach, FL 33411
(561) 683-1231
FAX (561) 683-4581

Clewiston
801 E Sugarland Hwy
Clewiston, FL 33440
(863) 983-8177
FAX (863) 902-1000

Naples
3636 Prospect Ave
Naples FL 34104
(239) 403-3636
FAX (239) 403-7510

Ft Myers
9651 Kelly Tractor Dr
Ft Myers, FL 33905
(239) 693-9233
FAX (239) 693-6876

Orlando (Cranes Only)
17300 E Colonial Dr
Orlando, FL 32820
(407) 568-8055
FAX (407) 568-7701

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

To: Governing Board
From: Kara Peterson, Director of Finance and Administration
Date: December 8, 2016
Subject: Disposal of Fixed Assets

It is necessary to dispose of fixed assets that were replaced (i.e., rehabilitated with new components) during the previous fiscal year.

These items were replaced because they failed, were in jeopardy of failing, or were part of a broader project. The older items with no remaining book value lasted their full expected life. Some items that had a remaining book value lasted their expected life, but, unfortunately, the depreciation schedule ascribed to these items was too long. We are working comprehensively to improve the accuracy of our depreciation schedules for new capital purchases. Specifically, we are now booking capital assets as components rather than as projects, which allows us to prescribe a shorter life expectancy to a lift station pump than to the lift station wet well, for example.

Whenever the District disposes of fixed assets, we are required by Florida Statutes to bring the matter to the attention of the governing body. Therefore, consistent with our procedures in prior years, I request your authorization to dispose of the items listed below:

<u>Item</u>	<u>Book Value</u>
Treatment & Disposal Structures	\$ 159,489.00
Treatment & Disposal System Equipment	117,503.12
District Built Collection & Transmission Lift Stations	34,686.71
District Built Collection & Transmission Lines	20,366.75
Developer Donated Collection & Transmission Lines	16,128.47
Furniture & Fixtures	6,597.29
Developer Donated Lift Stations	2,304.51
Monitoring & Control Equipment	-
Miscellaneous Equipment	-
Total Loss on Disposal of Fixed Assets	\$ 357,075.85

The book value for these portions is detailed in the attached schedule.

I offer the following motion for your approval:

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of the property listed in the December 8, 2016 memorandum totaling \$357,075.85.”

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

DESCRIPTION	Year Aquired	Number of Years Anticipated	Aquired Value	Book Value	%
Gravity Line Repairs - Brentwood South (under canal)	09/30/78	60	\$ 4,963.93	\$ 1,820.16	37%
Gravity Line Repairs - Center Street (Section F)	09/30/82	60	\$ 16,892.46	\$ 7,327.92	43%
Indiantown Road Valve Box Replacement	09/30/85	60	\$ 2,922.64	\$ 1,415.29	48%
Gravity Line Repairs - Riverside Improvement Area	09/30/98	40	\$ 13,792.00	\$ 7,584.92	55%
Gravity Line Repairs - Brentwood Circle East	09/30/05	40	\$ 3,060.00	\$ 2,218.46	72%
Total District Built C & T Lines			\$ 41,631.03	\$ 20,366.75	49%
Lift Station Rehab - LS #6	07/01/84	25	\$ 25,000.00	\$ -	0%
Lift Station Rehab - LS #162	09/30/87	25	\$ 19,930.59	\$ -	0%
Lift Station Rehab - LS #133	09/30/91	25	\$ 23,613.66	\$ -	0%
Lift Station Valve & Pipe Renewal	09/30/96	5	\$ 7,258.70	\$ -	0%
Lift Station Rehabs	09/30/96	5	\$ 5,844.00	\$ -	0%
Lift Station Rehab - LS #62	09/30/02	15	\$ 11,367.33	\$ 759.85	7%
Lift Station Rehab - LS #226	09/30/04	25	\$ 33,141.63	\$ 17,231.24	52%
Lift Station #226 Pump	09/30/04	25	\$ 21,303.00	\$ 11,078.53	52%
Lift Station Equipment	09/30/06	5	\$ 10,117.38	\$ -	0%
Lift Station Electrical	09/30/06	5	\$ 16,803.00	\$ -	0%
Pump R&R	09/30/06	5	\$ 46,095.20	\$ -	0%
Lift Station #87 - 10 HP pump	09/30/12	15	\$ 7,659.70	\$ 5,617.09	73%
Total District Built C & T Lift Stations			\$ 228,134.19	\$ 34,686.71	15%
FM Replacement - Jupiter Plantation (LS #13)	07/01/80	60	\$ 40,750.73	\$ 16,128.47	40%
Total Developer Donated C & T Lines			\$ 40,750.73	\$ 16,128.47	40%
Lift Station #48	09/01/80	25	\$ 14,286.09	\$ -	0%
Lift Station #6	07/01/84	25	\$ 10,000.00	\$ -	0%
Lift Station #157	10/01/86	25	\$ 28,781.50	\$ -	0%
Lift Station #231	05/01/87	25	\$ 19,930.60	\$ -	0%
Lift Station #234 Pumps	12/01/89	25	\$ 7,292.30	\$ -	0%
Lift Station #252 - 15 hp Pump	05/31/98	25	\$ 8,639.04	\$ 2,304.51	27%
Total Developer Donated Lift Stations			\$ 88,929.53	\$ 2,304.51	3%
Exhibit Renovations	09/30/08	10	\$ 32,837.53	\$ 6,597.29	20%
Total Furniture & Fixtures			\$ 32,837.53	\$ 6,597.29	20%
LS #151	12/01/83	25	\$ 33,190.53	\$ -	0%
Total Government Contributed Lift Stations			\$ 33,190.53	\$ -	0%
IQ Water Controls	09/30/88	10	\$ 67,914.14	\$ -	0%
Fiber Optic Data	09/30/88	10	\$ 16,795.00	\$ -	0%
Plant Flow Meter	09/30/89	10	\$ 2,074.24	\$ -	0%
Lift Station Telemetry	09/30/89	10	\$ 11,678.50	\$ -	0%
Process Monitoring & Control System Improvements	09/30/89	10	\$ 265,713.71	\$ -	0%
IQ System Controls	09/30/89	10	\$ 37,239.80	\$ -	0%
Process Monitoring & Control System Improvements	09/30/90	10	\$ 1,054.29	\$ -	0%
Deep Well PLC Hardware Upgrade	09/30/90	5	\$ 1,450.00	\$ -	0%
PH Controler, Signet MK710.A4	09/30/90	4	\$ 755.62	\$ -	0%
PH Controler, Signet MK710.A4	09/30/90	4	\$ 755.61	\$ -	0%
Base Station Telemetry	09/30/90	7	\$ 27,000.00	\$ -	0%
Lift Station Telemetry	09/30/95	5	\$ 6,654.00	\$ -	0%

DESCRIPTION	Year Aquired	Number of Years Anticipated	Aquired Value	Book Value	%
Lift Station Telemetry	09/30/96	5	\$ 15,240.00	\$ -	0%
Lift Station Telemetry	09/30/96	5	\$ 30,480.50	\$ -	0%
Lift Station Telemetry	09/30/98	5	\$ 10,588.00	\$ -	0%
Total Monitoring & Control Equipment			\$ 495,393.41	\$ -	0%
Lift Station Telemetrics	09/30/80	10	\$ 1,944.83	\$ -	0%
8" Trash Pump (MLS)	09/30/83	10	\$ 24,919.15	\$ -	0%
Total Miscellaneous Equipment			\$ 26,863.98	\$ -	0%
IQ System Improvement	09/30/01	15	\$ 22,085.90	\$ -	0%
Sludge System R&R	09/30/04	10	\$ 110,204.59	\$ -	0%
Deep Well R&R	09/30/04	10	\$ 19,036.32	\$ -	0%
IQ #518 Pump #2	09/30/05	10	\$ 4,407.07	\$ -	0%
Spare Motor for IQ #515	09/30/06	5	\$ 1,775.00	\$ -	0%
Barnes High Flow Grinder Pump	09/30/06	5	\$ 1,170.00	\$ -	0%
Barnes High Flow Grinder Pump	09/30/06	5	\$ 1,170.00	\$ -	0%
Pump R&R	09/30/06	5	\$ 27,433.49	\$ -	0%
Network Switch	09/30/07	28	\$ 13,553.14	\$ 9,261.22	68%
Jockey Blower - Blower Building	09/30/07	13	\$ 50,624.59	\$ 19,963.85	39%
Main Blower - Blower Building	09/30/07	13	\$ 64,433.91	\$ 25,449.36	39%
Aerbay Blower #4 - Blower Building	09/30/07	13	\$ 12,860.99	\$ 5,073.18	39%
IQ #518 Pump #1	09/30/07	10	\$ 5,776.41	\$ 578.72	10%
20 HP pump to SDW bldg	09/30/07	5	\$ 5,413.60	\$ -	0%
Strainer - IQ #518	09/30/08	10	\$ 15,844.76	\$ 3,167.41	20%
Dewatering Press Roller	10/01/08	10	\$ 18,855.00	\$ 3,769.89	20%
IQ System Repair Parts - Pump #1	09/30/09	10	\$ 2,157.72	\$ 649.34	30%
Injection Well Motor #3 - Deep Well	09/30/09	10	\$ 5,993.24	\$ 1,799.00	30%
IQ #511 - 335 HP pump	09/30/09	15	\$ 78,877.44	\$ 42,067.97	53%
Filter Pump Station #2/Turbine Pump #3	09/30/09	13	\$ 14,488.50	\$ 5,723.18	40%
Injection Well #3 Motor	09/30/10	5	\$ 13,829.26	\$ -	0%
Total T & D System Equipment			\$ 489,990.93	\$ 117,503.12	24%
Electric Shop Roof	04/01/78	45	\$ 6,378.96	\$ 954.75	15%
Electric Room Roof	04/01/78	45	\$ 8,551.31	\$ 1,231.11	14%
Check Valve - Deep Well	09/30/87	45	\$ 18,059.18	\$ 6,432.03	36%
Vertical Turbine Pump Discharge Head	09/30/87	45	\$ 18,519.70	\$ 6,568.25	35%
Admin Building Windows	09/30/88	45	\$ 21,063.97	\$ 7,964.38	38%
Sludge Building Rehab	09/30/89	45	\$ 323,201.13	\$ 129,259.71	40%
Stop Blocks at Headworks/Sluice Gates	09/30/93	40	\$ 14,346.64	\$ 6,116.75	43%
Damaged Siding on Sludge Building	09/30/06	15	\$ 2,886.46	\$ 962.02	33%
Total T & D Structures			\$ 413,007.35	\$ 159,489.00	39%
Grand Total Disposed			\$ 1,890,729.21	\$ 357,075.85	19%

Loxahatchee River District

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

MEMORANDUM

TO: D. ALBREY ARRINGTON, Ph.D.
Executive Director

FROM: CLINTON R. YERKES
Deputy Executive Director

TOM VAUGHN
Director of Operations

DATE: DECEMBER 6, 2016

SUBJECT: CHANGE ORDERS TO CURRENT CONTRACTS
Dewatering Control System Refurbishment Additions

In June, 2016 the District Governing Board authorized a contract with Process Control Consultants, Inc. (PCC) for Rehabilitation of the Sludge Dewatering Control System.

The original proposal addressed controls for the two (2) existing presses.

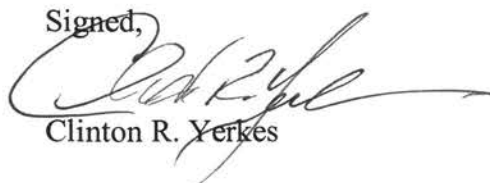
The attached Quote from Process Control Consultants has been prepared in response to requests from the District Operations personnel. The proposed additional work will allow for a third press to be operated when acquired, automate sludge flow relative to press operation, and provide controls for the Sludge Holding Tank Grinder. PCC has been working diligently and cooperatively with personnel to maintain operations while performing the original contract.

The following motion is suggested for approval of this item:

“THAT THE DISTRICT GOVERNING BOARD authorize approval of Change Order #1 to the Dewatering Control System Refurbishment Additions with Process Control Consultants, Inc. in the amount not to exceed \$12,750.00.”

Should you have any questions please contact Mr. Vaughn or me.

Signed,



Clinton R. Yerkes

V:\CIP\PROJ\Misc Proj\Sludge Dewatering\Change Order Memo 12-16.docx

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
2500 JUPITER PARK DRIVE, JUPITER, FLORIDA 33458
(561) 747-5700 FAX (561) 747-9929

CHANGE ORDER # 1

DATE: December 7, 2016

PROJECT NAME: Dewatering Control System Refurbishment

OWNER: Loxahatchee River Environmental Control District

CONTRACTOR: Process Control Consultants, Inc.

THE FOLLOWING CHANGES:

JUSTIFICATION:

CHANGE TO CONTRACT PRICE:

Original CONTRACT PRICE:	\$106,000.00
Current Contract Price	\$106,000.00
Contract Price due to this Change Order will be <i>INCREASED</i> by:	\$ 12,750.00
The New Contract Price including this Change Order will be:	\$118,750.00

CHANGE TO CONTRACT TIME:

The DATE OF SUBSTANTIAL COMPLETION will be: Unchanged

APPROVED BY CONTRACTOR: _____
PROCESS CONTROL CONSULTANTS, INC. DATE

APPROVED BY OWNER: _____
LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT DATE

Process Control Consultants, Inc.
P.O. Box 1174
Loxahatchee, Florida 33470
Tel: (561) 791-1511
Cell: (561) 568-1229
E-mail: procon@comcast.net

QUOTE

Quotation # QU16-09

November 7, 2016

Loxahatchee River Environmental
Control District

Subject: Dewatering Control System Refurbishment Additions

The following itemized list shows the costs for requested additions to the original project specification:

- 1) Complete fabrication of the future belt press No. 3 control enclosure. This includes fabrication, documentation and drawings.
- 2) Automation of the sludge flow pump/press orientation. This includes adding nine automatic operator mounted valves. All wiring terminations (valve open/close signals) at the valve and in the PAC control cabinet and switching cabinet. Documentation and drawings will be included.
- 3) Include the Sludge Holding Tank Grinder in the PAC automation system. This includes signal wire termination (modifications to control cabinet layout), documentation and drawings.

Total Cost:

150 Hours @ 85.00/Hour

\$12,750.00

If you have questions or require further information, please contact me.

Sincerely,

Frank J. Sczurek

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The proposed settlement agreement will be provided to the Board at the Attorney/Client session.

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



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

MEMORANDUM

TO: D. ALBREY ARRINGTON, Ph.D.
Executive Director

FROM: CLINTON R. YERKES
Deputy Executive Director

DATE: DECEMBER 7, 2016

SUBJECT: Alt. A1A Bridge FM Joint Project Agreement

On December 6th the Town of Jupiter conducted a bid opening for the Alt. A1A Bridge Water Main and Force Main contract.

Although the Invitation to Bid had been on the street for over 30 days and had been extended at the request of several bidders, no bids were received.

Therefore, there will be **NO ACTION REQUIRED** on this item.

We will await Jupiter's determination of how they propose to proceed with the project.

V:/cip/proj/altA1A Bridg FM/Jupiter JPA/Board memo 12-6-2016

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Loxahatchee River District

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

MEMORANDUM

TO: GOVERNING BOARD
FROM: GORDON M. BOGGIE, CHAIRMAN
DATE: DECEMBER 8, 2016
SUBJECT: EXECUTIVE DIRECTOR'S ANNUAL REVIEW

Dr. Arrington and I have reviewed his 2016 performance which has resulted in the following memo from him.

Overall, it is my belief that Dr. Arrington has performed his 2016 duties as the Executive Director of the District in an outstanding manner.

I offer the following motion for discussion and consideration:

“THAT THE DISTRICT GOVERNING BOARD receive the review of Dr. Albrey Arrington, Executive Director, and adjust his Employment Agreement as follows: A ___ increase in his base salary, effective January 1, 2017, and a net \$_____ bonus, paid December ____, 2016.”

F:\Albrey\Board Memos\2016-Dec_Executive-Director-Review.docx

2016 Achievements

I am pleased to report that the Loxahatchee River District received two distinguished awards from the Florida Water Environment Association in 2016:

1. **David W. York Water Reuse Award**, i.e., the Florida Reuse System of the Year Award in the 5 to 15 MGD category; and
2. **Collection System of the Year Award** in the Large Systems category.

I believe my most notable accomplishments in 2016 include the following:

- ✓ **Operational leadership:** I am incredibly pleased with how the District performed leading up to and following the near miss of Hurricane Matthew.
- ✓ **Organizational leadership:** I have worked diligently, as we work through the retirement of key personnel, to hire technically competent individuals that share a passion for achieving data-driven results in a transparent manner. I have reorganized the organization to empower existing District staff to maximize their contributions to the District, and new positions have been used to strengthen strategic weaknesses.
- ✓ **Fiscal excellence:** once again we received a squeaky clean audit. Also, the District continues to maintain our debt free status, while completing much meaningful work. And our budget/rate study process continues to serve the District well.
- ✓ **Operational excellence:** our dashboard shows robust performance on nearly all metrics
- ✓ **Neighborhood Sewering:** we have maintained a very large work load through 2016, and are on track to complete neighborhood sewerage east of I-95 in 2019!
- ✓ **Technical excellence:** collecting important data and communicating those data through publications, technical presentations, web-based platforms, and technical committees
- ✓ **Environmental stewardship:** developing fun opportunities for children of all ages to explore real-world applications of science, technology, engineering, and math (STEM) as they explore, experience, and connect with the Loxahatchee River's valuable nature resources.
- ✓ **Strong, collaborative partnerships:** Busch Wildlife Sanctuary, Town of Jupiter, Abacoa, Jupiter High Environmental Academy

I believe my most significant disappointments in 2016 were:

- ✓ Litigation against RSUI was finally brought to a disappointing conclusion.
- ✓ Continued slow progress implementing the new Computerized Maintenance Management System; however, the new system is now online and functioning.

Key strategic efforts in the upcoming year(s) include:

- ✓ Continued improvement of institutional governance, including defined periodic review of all policies and procedures
- ✓ Continued maintenance and rehabilitation of existing infrastructure
- ✓ Completion of our neighborhood sewerage plan
- ✓ Continue improving operational efficiencies
- ✓ Continue our focus on being data driven
- ✓ Improve business performance through an assessment and improvement process focused on key benchmarking metrics, e.g., Florida Sterling Council <http://floridasterling.com/>

LOXAHATCHEE RIVER DISTRICT

Neighborhood Sewering Schedule



Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Date
6	Jupiter Inlet Colony	240	Notified Owners – August, 2010 Notice of Intent – February, 2013 Interlocal Agreement Complete - April, 2014 Construction started – July 26, 2016	2013	2016
10	Turtle Creek Phase I (Gravity)	29	Notified Owners – September 2012 Engineering Study Complete – May, 2015 Notice of Intent – February, 2016 Award of Contract – August, 2016 Construction Start – January, 2017	2016	2016
10	Turtle Creek Subsystem 4	52	Notified Owners – September 2012 Notice of Intent – February, 2016 Detailed Design Contract – May, 2016	2016	2017
10	Turtle Creek Subsystem 3	5	Notified Owners – September 2012 Notice of Intent – December 2016	2016	2017
10	Turtle Creek Subsystem 2	28	Notified Owners – September 2012 Preliminary Design Complete – March, 2016 Notice of Intent – October, 2016 Engineer Contract – November, 2016	2016	2017
10	Turtle Creek Subsystem 1	23	Notified Owners – September 2012 Notice of Intent – November, 2016 Engineer Contract – November, 2016	2016	2017
14	Whispering Trails	181	Notified Owners – January 2013 Notice of Intent – November, 2016 Engineer Contract – November, 2016	2017	2017
16	Limestone Creek Road-West	82	Notified Owners – January 2013	2018	2018
19	US Coast Guard Station Offices <i>(institutional)</i> PX Commercial <i>(commercial)</i>	2 ECs 2 ECs	US Government - private roads Albrey- mtg. w/BLM & Historical 3-2011 Prelim design prepared In House 4-2011	2019	2018
20	New Palm Beach Heights	34	Notified Owners – January, 2016	2019	2019
22	Bridgewater	70		2019	2019
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 - Page 2

Rank*	Area Description	Lots	Activity	Original Target Date	Revised Target Date
None	PBC Riverbend Park <i>(institutional)</i>	12ECs	Construction complete Notified of sewer availability Costs paid, plans reviewed	2011	2016
D	Loggerhead Park <i>(institutional)</i>	6 ECs	Need Easements from Palm Beach County	2014	2017
G	Hyland Terr Properties-MC	9	Notified Owners – October 2012 Notice of Intent – January, 2016 Notified to Connect – October, 2016	2016	2016
G	Hyland Terr Phase II	6	Notified Owners – October 2012 Notice of Intent – November, 2016 Notified to Connect – October, 2016	2016	2016
G	SE Linden St-MC	8	Notified Owners – October 2012 Notice of Intent – January, 2016 Notified to Connect – October, 2016	2016	2016
G	SE Pine Grove St-MC	8	Notified Owners – October 2012 Notice of Intent – January, 2016 Notified to Connect – October, 2016	2016	2016
G	SE Harken Terr Ph I-MC	7	Notified Owners – October 2012 Notice of Intent – January, 2016 Notified to Connect – October, 2016	2016	2016
G	10828 Whispering Pines Trl-MC	1	Notified Owner – October 2012 Notice of Intent – January, 2016 Notified to Connect – October, 2016	2016	2016
H	SE Harken Terr Ph II-MC	2	Notified Owners – December 2015	2017	2016
H	6367 197 th PI N	1	Notified Owner – June, 2016	2017	2017
C	FDOT Turnpike Station <i>(institutional)</i>	3 ECs	Owner notified Notified to Connect – February, 2016 Variance requested – May, 2016	2012	2017
G	Hibiscus Ave, Juno	10	Notified Owners – June, 2013 Notice of Intent – March, 2016 Award of Contract – August, 2016	2016	2017
G	Ocean Dr., Juno (LP)	5	Notified Owners – June, 2013 Notice of Intent – March, 2016 Design in Process – March, 2016	2016	2017
H	Lenmore Drive LP	6	Notified Owners – October, 2014 Notice of Intent to Assess – April, 2016 In-house Design – August, 2016	2017	2017
H	Tequesta Dr E	2	Notified Owners-March, 2015	2017	2017
I	Chippewa Street	6	Notified Owners – January, 2014 Petition received – April, 2016 Feasibility Letter LPSS/Gravity – July, 2016	2018	2017
H	US 1, Juno Beach <i>(commercial)</i>	2	Notified Owners – January, 2014	2017	2018
H	Shay Place, Tequesta	11	Notified Owners – July, 2013 Notice of Intent to Assess – August, 2016	2017	2018
H	County Line Road - Martin Co.	3	Notified Owners – July, 2013	2017	2018
H	14100 US Hwy 1, Juno Beach	1	Notified Owner-March, 2015	2017	2018
A	North A-1-A	3	Postponed -Town Activities in area	2012	2018
F	815 S. US 1 (Yum Yum Tree)	9 ECs	Notified Owners – November, 2014	2016	2018
G	Olympus Dr., Juno (LP)	3	Notified Owners – June, 2013	2016	2018
H	96 Pine Hill Trl E	1	Notified Owner – February, 2015	2018	2018
I	8 th Street	3	Notified Owners – January, 2014 Petition to evaluate received-April, 2016 Engineering preparing costs	2018	2018

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

Private Road Areas – Page 3

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Date
AA	Peninsular Road	5	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 - Design started Notice of Intent – February, 2014 Easements Solicited – May, 2014 Project Delayed	2013	AEO
CC	171 st Street (Martin Co.)	7	Private Road In House Design Owners notified October, 2012	2014	AEO
CC	Jamaica Dr	11	Private Road Owners notified Oct, 2012 In House Design started	2014	AEO
CC	197 th Place, 66 th Terrace, 66 th Way	21	Notified Owners – Aug, 2010 *Private Roads Notice of Intent to Assess – February, 2015	2014	AEO
DD	Taylor Road	38	Notified Owners – September, 2011 Private Roads	2015	AEO
EE	Imperial Woods	47	Notified Owners – October, 2010 Withdrew Notification – Feb, 2011 Private HOA – Letter sent-April, 2016	2016	AEO
EE	Hobart St SE (Martin Co.)	13	Notified Owners – October 2012 Private Roads	2016	AEO
FF	Rolling Hills	51	Notified Owners – January 2013 Private HOA	2017	AEO
FF	Gardiner Lane	2	Notified Owners – July, 2013 Private Road	2017	AEO
HH	Harbor Rd. S. LPSS	6	Notified Owners – January 2014 Private Road	2017	AEO
GG	Rockinghorse (north of Roebuck Road)	10	Notified Owners – January 2013	2018	AEO
GG	Island Country Estates	47	Notified Owners – January 2013 Private HOA	2018	AEO
HH	SE Indian Hills	12	Notified Owners – January, 2016 Easement for Road & Utilities, No Dedication	2019	AEO

* Rank based upon “2010 Septic System Inventory & Assessment”

TBD = To be determined

AEO = As easements are obtained

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org

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



MEMORANDUM

To: Governing Board

From: D. Albrey Arrington, Ph.D.

Date: December 9, 2016

Subject: Legal Counsel's Report

The Legal Counsel's Report was not available at notebook delivery time. It will be provided to the Board at the meeting.

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

MEMORANDUM

TO: Albrej Arrington, Ph.D. / Loxahatchee River District

COPY: Clint Yerkes / Loxahatchee River District
Tom Vaughn / Loxahatchee River District
John Koroshec / Hazen and Sawyer
Taylor Bomarito / Hazen and Sawyer

FROM: Albert Muniz / Hazen and Sawyer

DATE: December 7, 2016

FILE: 42009-025.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through November 2016

The following is a summary of work performed by Hazen and Sawyer, P.C. (Hazen) on Loxahatchee River District (LRD) projects through the above referenced date.

General Operational Assistance – This project involves providing LRD with engineering assistance related to wastewater operations.

Monthly Progress

- LRD staff and Hazen personnel continue to communicate to discuss plant operations on an as needed basis. The wastewater treatment process continues to perform well
- Hazen continues to provide assistance on an as needed basis

Deep Bed Sand Filters – Final Design and Construction Management Services – The existing traveling bridge filters and filter structure have served the LRD wastewater treatment facility for over 20 years and



are in need of significant rehabilitation and repair. In lieu of repair and replacement, it is the LRD staff's desire to replace the filters with deep bed sand filters. Deep bed filters offer additional benefits over traveling bridge filters including de-nitrification capabilities as well as proven performance during plant upset conditions. Design of the project is complete and the project has entered the construction phase.

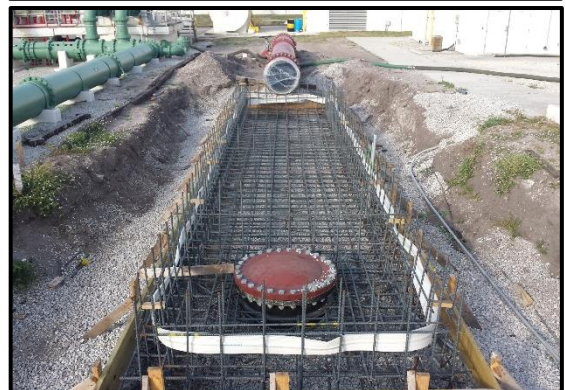
Monthly Progress

- Kirlin was issued a Notice to Proceed on January 18, 2016. The substantial and final completion dates are currently October 29, 2017 and January 2, 2018, respectively.
- **Deep Bed Filters** - Installation of formwork and steel placement for walls continues with all wall pours completed to El. 32.50.
- **Filter Electrical Building** - Installation of the underground electrical rough-in and the Filter Electrical Building slab pour is completed. Erection of the pre-cast concrete Filter Electrical Building structure is completed.
- **Parshall Flume** - Tie-ins to the existing 30-inch IQ pipeline at the Parshall Flume flow meter structure have been completed. Installation of formwork and steel for bottom slab has been completed.
- **Filter Feed Pump Station No. 1** - Removal of the existing slide gate at Filter Feed Pump Station No. 1 and installation of the new overflow weir have been completed.
- **Piping** - Installation of the underground 30-inch filter effluent pipeline has been completed up to the vicinity of the existing traveling bridge filter structure. Installation of the 14" and 24" Filter Effluent and 12" Backwash Supply piping continues on the north side of the deep bed filters. Installation of the 12" and 24" Filter Influent piping continues on the north side of the deep bed filters.
- **Site work** - Installation of site underground electrical duct bank continues. Grading around structures continues.

Installation of Filter Influent & Effluent Piping



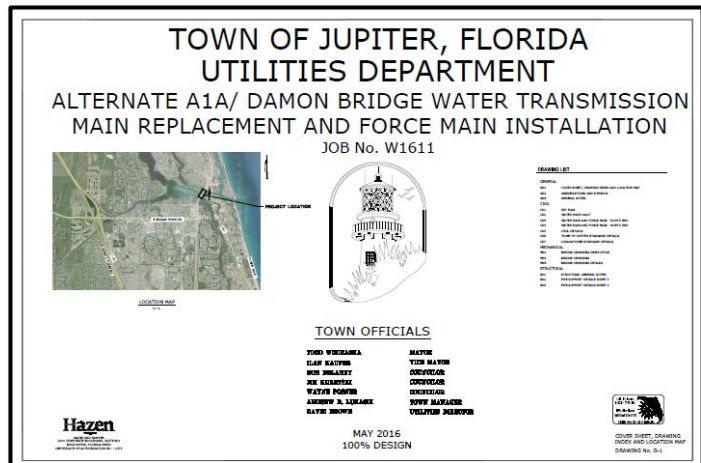
Installation of Housekeeping Pads and Equipment in Filter Electrical Building



Installation of Formwork and Steel for Parshall Flume Bottom Slab

Alternate A1A/Damon Bridge Water Transmission Main Replacement and Force Main Installation – Hazen was authorized to design a new 16-inch force main pipeline in parallel with a Town of Jupiter water main replacement on the Alternate A1A Bridge in Jupiter. Below is a summary of activities performed to date:

- Hazen submitted the draft 100% complete contract documents, cost estimate, and preliminary construction schedule on May 27, 2016. On June 29, 2016 LRD staff asked Hazen to revise the 16-inch force main design to incorporate a change in pipe material from steel to 304 stainless steel. Hazen has completed this design change, along with a slight alignment modification to keep the new force main within the right-of-way. Hazen provided the new specifications to LRD staff on July 26, 2016, and the updated drawings on August 5, 2016.



- The following permits have been obtained with assistance from Hazen:
 - ✓ Town of Jupiter Engineering/Utility Permit application submitted on May 31, 2016 – *Issued July 19, 2016*
 - ✓ FDEP/DOH Wastewater Permit application submitted on June 8, 2016 – *Issued on June 15, 2016*
 - ✓ ACOE General Permit application submitted on June 8, 2016 – *Issued on November 8, 2016.*
 - ✓ FDEP ERP Exemption Request submitted on June 9, 2016 – *Approval Issued on July 8, 2016. No sovereign submerged land easements are required for the project.*
 - ✓ FDOT Utility Permit application submitted on June 15, 2016 – *Issued on October 19, 2016.*
- The Town of Jupiter advertised the project and held a pre-bid meeting on November 10, 2016. Three addenda were issued. The bid opening was scheduled for December 6, 2016 however no bids were submitted. Investigations into why no bids were received has been initiated.

As always, please feel free to contact us should you have any questions or need to discuss the progress of any of the above projects in more detail.



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

MEMORANDUM

To: Clint Yerkes, Deputy Director, Loxahatchee River Environmental Control District

From: Christine Miranda, PE
Holtz Consulting Engineers, Inc.

Date: December 8, 2016

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 December 8, 2016:

Loxahatchee River Road Reclaimed Water Main Replacement and Force Main Extension

- The 90% plans and specifications were submitted to staff for review on November 28, 2016. We have received comments and are currently incorporating them into the drawings to finalize the plans. The 100% submittal will be submitted the week of December 12, 2016.
- Permit applications have been submitted to the FDEP and Palm Beach County Health Department. The Palm Beach County Health Department permit has been issued. Upon incorporation of the 90% comments the permit application to Palm Beach County Engineering for work within the right-of-way will be submitted.

Turtle Creek Phase I

- The selected Contractor for this project, Johnson-Davis, Inc., will be issued a Notice to Proceed for the project at the beginning of 2017. A pre-construction meeting will be scheduled for mid-December or early January.

Turtle Creek – North End – Subsystem 3 Low Pressure Force Main System

- The 90% plans and specifications were submitted to staff for review on November 17, 2016. We have received comments and are currently incorporating them into the drawings to finalize the plans. The 100% submittal will be submitted the week of December 12, 2016.
- The FDEP Permit application has been submitted. A set of courtesy plans for review will be submitted to Martin County by December 13, 2016. The selected Contractor will be responsible for obtaining the Martin County Right-of-Way Use permit.



Turtle Creek –Subsystem 1 Low Pressure Force Main System

- The project was authorized on November 23, 2016
- HCE has coordinated with Lidberg Land Surveying for survey and utility locates for the project.
- Survey will be completed by February 1, 2017.
- 30% Design Submittal and Engineers Opinion of Probable Construction Cost will be submitted to staff by March 1, 2017.

Turtle Creek –Subsystem 2& 3 – Gravity Sewers

- The project was authorized on November 21, 2016
- HCE has coordinated with Lidberg Land Surveying for survey and utility locates for the project.
- Survey will be completed by January 16, 2017.
- 30% Design Submittal and Engineers Opinion of Probable Construction Cost will be submitted to staff by February 20, 2017.



***Loxahatchee River Environmental Control District
Monthly Status Report
December 8, 2016***

Submitted To: Clinton Yerkes, Deputy Director

The following is a summary of work performed by Mathews Consulting, Inc. (MC) on District projects through December 8, 2016.

Alternate A1A Bridge Force Main Extension Design

MC continued preparing the 75% Design Submittal including the project plans, technical specifications and Engineer's Opinion of Probable Construction Cost.

Master Lift Station #1 Rehabilitation

MC finalized the site survey. MC continued with the preparation of the 50% Design Submittal including the project plans, technical specifications and Engineer's Opinion of Probable Construction Cost.

Whispering Trails Gravity Sewer System

The subject project was approved by the Board during the November 17, 2016 Board Meeting. MC received an executed purchase order for the project on November 22, 2016. MC commenced with planning and preparation in advance of the site survey work which will start on December 12, 2016. MC also scheduled the project kick-off meeting for December 12, 2016.

Respectfully Submitted by:

MATHEWS CONSULTING,
A BAXTER & WOODMAN COMPANY

A handwritten signature in blue ink that reads "Rene L. Mathews".

Rene L. Mathews, P.E.
Vice President

Busch Wildlife Sanctuary

The 4th Quarter Report will be presented at the
January, 2017 Board Meeting.



Friends of the Loxahatchee River December 2016



River Center Summary Statistics

Year Month	General Visitors	Program Visitors	Outreach	Gift Shop	Donations	Memberships	Sponsors	Education Programs	River Center Programs	Special Events	Volunteer Hours
2015-11	881	255	144	\$1,192	\$560	\$150	\$460		\$667	\$815	135
2015-12	1078	277	51	\$2,749	\$663	\$250	\$8,460	\$82	\$210	\$186	149
2016-01	1083	606	348	\$1,083	\$496	\$150	\$2,410	\$93	\$4,065	\$679	158
2016-02	1178	295	2088	\$1,237	\$501	\$250	\$5,060	\$41	\$4,655	\$963	126
2016-03	1928	478	528	\$1,428	\$1,167	\$360	\$6,200	\$677	\$7,271	\$3,375	205
2016-04	1256	472	138	\$679	\$548	\$150	\$5,705		\$1,010	\$13,433	239
2016-05	1072	588	7	\$978	\$304	\$225	\$4,349	\$495	\$3,974	\$701	121
2016-06	2274	1085	466	\$1,939	\$781	\$125	\$348	\$3,420	\$2,410	\$1,125	592
2016-07	2076	667	199	\$2,298	\$748		\$4,400	\$3,294	\$3,162	\$810	681
2016-08	1559	318	287	\$1,377	\$619	\$225	\$1,683	\$728	\$40		387
2016-09	950	213	97	\$530	\$716	\$125	\$983	\$184		\$50	114
2016-10	1258	433	1038	\$638	\$485	\$50	\$2,233	\$55	\$215	\$1,040	160
2016-11	1058	337	141	\$865	\$377	\$75	\$6,498	\$154		\$933	154

River Center General

Repairs were made to the roof of the chiki hut. Damage was incurred during Hurricane Matthew. Several pumps are in rotation to be replaced for the life support systems of our exhibits.

Friends of the Loxahatchee River

On Friday, December 2nd, the River Center welcomed Park Services Specialist, Natasha Warraich from Jonathan Dickinson State Park. She presented a topic entitled "Fire in Florida" which discussed the importance of prescribed fire in our area. A light lunch was served prior to the lecture. We had 50 participants attend this presentation.



Special Programs

Homeschool Workshops

The River Center held its first ever Homeschool Workshop for families in Martin and Palm Beach County who provide their children's education at home. Students and their families enjoy an exciting morning of age-appropriate, natural science-themed learning experiences led by River Center educators. Students got the chance to explore the River Center aquariums and exhibits, have a touch tank encounter, and participate in hands-on lab activities.



On Thursday, November 17th homeschool families performed a Sea Urchin Lab. Students got an introduction into the scientific method and discussion on observation driven experiments using live animals. Students participated in an activity to learn how sea urchins survive in their environment; compared them to other aquatic species, and what adaptations are necessary for their survival.





Tuesday, November 22nd homeschool families performed a Water Properties Lab. Students worked in an interactive lab that covered the properties of water including: density, buoyancy, surface tension and the phases of water. During their experiments, students made connections to the salt, fresh and brackish water in the ecosystems of the Loxahatchee River watershed.



Loxahatchee by Night “Girl Scout Way” Campfire

The River Center hosted our first ever Girl Scout campfire workshop, entitled “The Girl Scout Way.” This event included great activities for Scouts of all ages to participate in and to earn their Girl Scout Way badge.



These activities included time-honored traditions like singing campfire songs, creating swaps, roasting marshmallows by the fire, and of course celebrating sisterhood! This event drew a large crowd with over 270 visitors in attendance. It was a fantastic night at the center and we hope that our next campfires are just as successful.



USCGA About Boating Safely Course

On Saturday, November 19th the River Center once again hosted the “Boating Safely” course presented by the US Coast Guard Auxiliary Flotilla 52 and sponsored by the AustinBlu Foundation. Each class is offered free to participants to encourage more people to learn about boating safely. Our next class on Saturday, January 14th and there are plenty of spots still available. Tell your friends about this great FREE program! The River Center is proud to be able to provide the opportunity for the people in our community to become better boaters.

Outreach Activities

Hack-A-Thon



Friday, November 4th through Sunday, November 6th the River Center partnered with Palm Beach Tech Space for their first ever Hack-A-Thon event. The Palm Beach Tech Hackathon was a three-day event where teams of engineers, designers, developers and entrepreneurs vet ideas, created a project, then presented their work to an expert panel of judges for cash prizes! The focus of this event was to find ways to solve real problems for specific organizations. The

River Center was selected as their charity of choice, alongside the South Florida Science Center. Tech wizards put their computer knowledge to the test in order to create solutions for our Jr. Angler Fishing Tournament and to improve our self-guided tour app. There were over 22 hackers that participated in this event and we hope to develop their newly created technology in the future.



Call of the Wild Conference

From November 11th-13th Megan Harris, the River Center’s Environmental Education Coordinator, attended the Call of the Wild Conference at the Ocala Youth Conservation Camp in the Ocala National Forest. Call of the Wild is the annual facilitator awards recognition weekend that brought together over 40 Project WILD Facilitators from across the state. Project WILD is an interdisciplinary conservation and environmental education program emphasizing wildlife. This weekend allowed for professional development opportunities, support from and networking with other volunteer facilitators, access to the latest environmental education curricula and the most current information about Florida wildlife.



Admiral’s Cove Island Naming Contest

River Center staff participated in the next installment of the Admiral’s Cove Annual Canal Naming Contest. Since 2010, the River Center has provided an outreach program and touch tank to the Covester’s youth organization teaching about mangroves, the Loxahatchee River estuary, and the River



Center. Families traveled by boat and kayak throughout the waterways to get a firsthand look at the mangrove tree islands. The children were asked to come up with interesting and unique names for the Admiral’s Cove canal system, which residents will later vote on. We thank Admiral’s Cove for the opportunity to participate in these events and look forward to developing new and exciting partnerships between Admiral’s Cove and the River Center.

Volunteer of the Month: The River Center would like to acknowledge Maggie Brown as our Volunteer of the Month. Maggie volunteered with the River Center before when she attended Jupiter High School as a member of the Jupiter Environmental Research and Field Studies Academy. Maggie is now a student at Palm Beach State College and has been volunteering with us since August 2016 contributing 40 hours of service. Maggie has been a huge help as part of our education team. She comes to assist and lead our field trip education programs such as the Oyster Reef Ecology Lab, Loving the Loxahatchee exhibit tour, and the Jupiter Shark Exploration hands-on activity. Maggie has become a vital part of the education department and we cannot thank her enough for all of her dedication, passion, and enthusiasm to the River Center.



Friends Membership – 58 active members; 3 new/renewals; 39 current sponsors

Annual Sponsors Recognition – Solid Waste Authority, Caroline Warburton, Anonymous

Upcoming River Center Events – RSVP at rivercenter@lrecd.org or 561-743-7123.

December 23 – 10:00a-12:00p: Holiday Kayak: Bring the family for an adventure on the Loxahatchee River. Space is limited. \$20 non-members; \$15 members. Please RSVP to attend.

December 28 – 9:00a-12:00p: Fishing Clinic: Fishing clinics are a great way for kids to learn the basics of fishing methods and tactics! Parents will learn important safety tips for taking kids fishing and how to abide by regulations when out fishing. The River Center in partnership with Fishing Headquarters provides half-day fishing clinics for kids that give your child a fun, engaging overview of fishing.

December 29 – 10:00a-12:00p: Craftapalooza following Story Time! Winter crafts and games for kids.

January 5 – 10:00a-12:00p: Craftapalooza following Story Time! Winter crafts and games for kids.

January 6 - 10:00a-12:00p: New Year's Kayak: Bring the family for an adventure on the Loxahatchee River. Space is limited. \$20 non-members; \$15 members. Please RSVP to attend.

January 7 – 10:00a-11:30a: Little Otters Family Fun: This is a NEW summer program designed for families with children ages 3-6 held on selected Saturdays this summer. The program will include a themed story, touch tank demonstration, garden exploration, dip netting and crab hunting. There are both inside and outside portions along with opportunities to get your feet wet. Cost is free, but please RSVP to the event.

January 14, 2017 – 8:30a-4:30p: About Boating Safely: Registration will take place promptly at 8:00, the morning of class. Please register online now! www.tiny.cc/boatsafe.

February 3 – 12:00-1:00p: Friends of the Loxahatchee River: Join the River Center in welcoming Sara Ayers-Rigsby from the Florida Public Archaeology Network. Prior to the lecture a light lunch will be served. Please RSVP to attend.

March 4 – SAVE THE DATE! Night on the Loxahatchee: Our River Life.

Director's Report

- Admin. & Fiscal Report attach. #1
- Engineering Report attach. #2
- Operations Report attach. #3
- Information Services Report attach. #4
- Other Matters attach. #5

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458-8964

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org

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



Memorandum

To: Governing Board
 From: Kara Peterson, Director of Finance and Administration
 Date: December 8, 2016
 Subject: Monthly Financial Report

Balances as of November 30, 2016

Certificates of Deposit:

Institution	Original Term	Maturity	Rate	Amount
FL Community Bank	18 Months	02/28/17	0.75%	2,038,584
FL Community Bank	18 Months	02/28/17	0.75%	2,038,584
TD Bank	3 Years	06/02/17	0.92%	2,046,494
TD Bank	3 Years	08/04/17	1.19%	1,028,055
TD Bank	4 Years	08/19/17	1.40%	2,094,077
TD Bank	2.5 Years	03/02/18	1.11%	2,027,858
TD Bank	3 Years	05/22/18	1.14%	2,035,150
Bank United	1.5 Years	07/26/18	1.15%	2,007,995
TD Bank	5 Years	08/19/18	1.87%	2,126,616
TD Bank	5 Years	04/29/19	1.88%	1,574,845
TD Bank	5 Years	09/22/19	2.09%	2,093,675
Subtotal				\$ 21,111,933
Other:				
FL Community Bank - Public Demand			0.86%	\$ 7,597,750
SunTrust-Business Account			0.35%	5,211,325
Subtotal				\$ 12,809,075
Total				\$ 33,921,008

Average weighted rate of return on investments is: 1.05%

As of 11/30/16:

3 month Short Term Bond: 0.48%

1 month Federal Fund Rate: 0.50%

Cash position for November 2015 was \$32,678,126. Current Cash position is **up** by \$1,242,882.

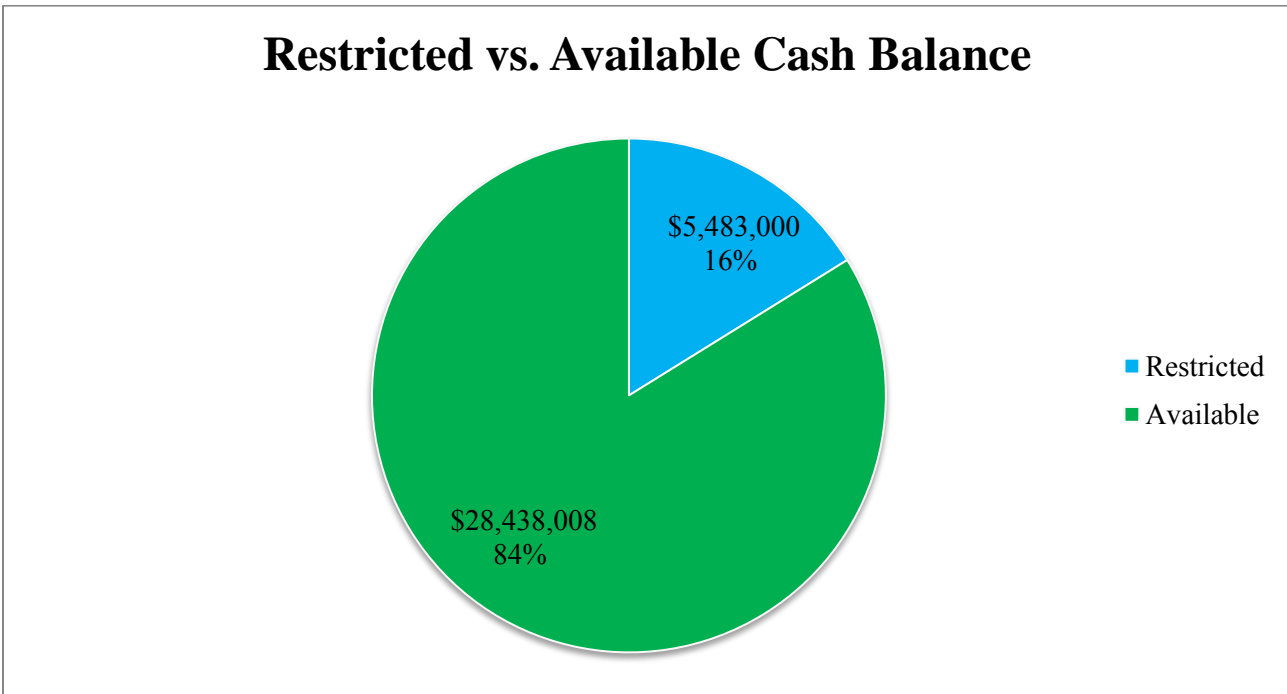
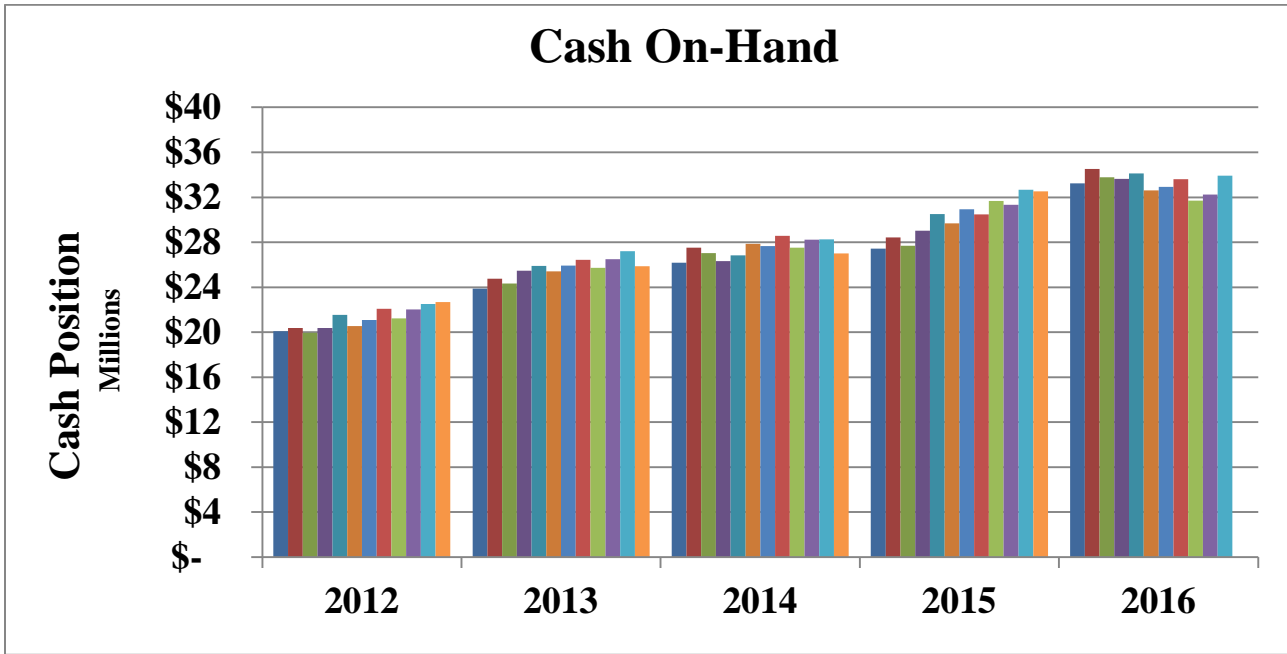
Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

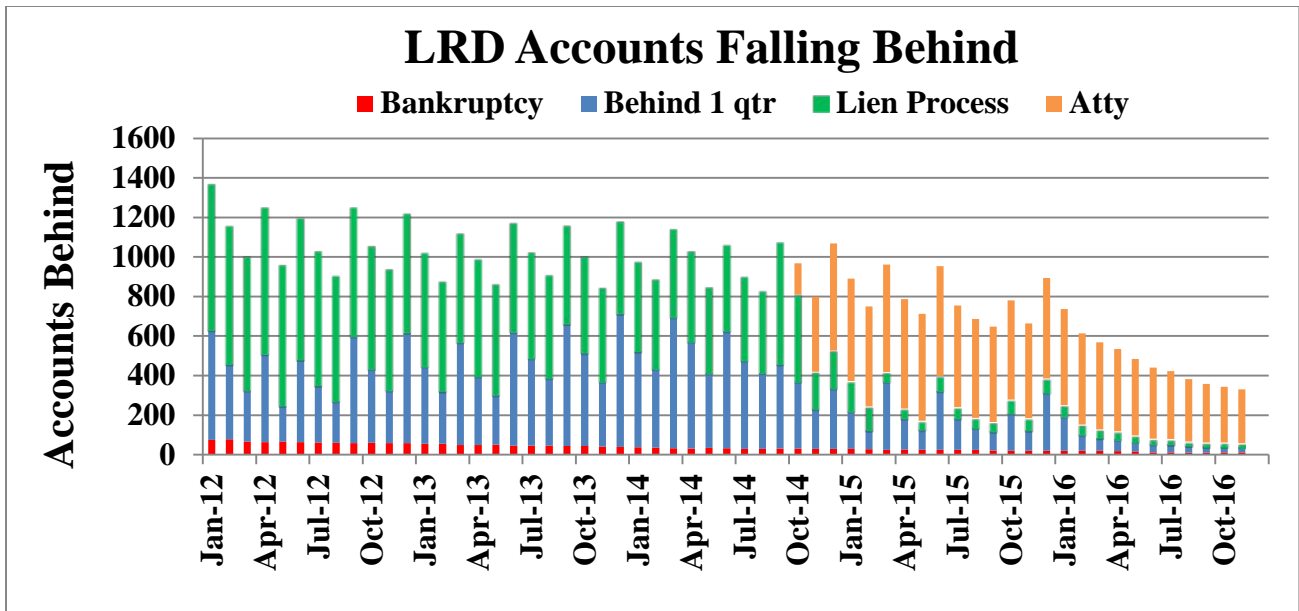
Harvey M. Silverman
Board Member

James D. Snyder
Board Member



Accounting:

- Legal fees collected for the month of November were \$8,917. The fiscal year-to-date total is \$23,059.
- Septage billing for November was \$357. All septage dumping accounts are current.
- Developer’s Agreement – There were no new Developer agreements in November.
- I.Q. Water Agreements –Town Center Phase I is past due for September, October, and November; Fairways of Jupiter, Valencia, and Sonoma Isles are past due for and October and November; Sophia and Loxahatchee Club are past due for November.
- Estoppel fees collected in November totaled \$5,425. The fiscal year-to-date total is \$10,725.
- Accounts in Bankruptcy – 11; Accounts in ‘Prior to Lien Process’ – 27; Lien – 20 Accounts; Attorney – 273 Accounts; Mortgage Foreclosure (active) – approximately 4.



Due to the transfer of seriously delinquent accounts from the Attorney to the District, no new liens have been filed since April 2016.

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

MEMORANDUM

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

FROM: Kris Dean, P.E.
Director of Engineering Services

DATE: December 8, 2016

SUBJECT: Director's Report - Engineering Division
Decmeber 2016 Board Meeting

Developer Projects

Staff were active on 10 Developer projects including the following activities.

Plan Review: Staff performed plan reviews for the following projects.

Sonoma Isles Residential Phase 2B: This project provides a gravity collection system to serve approximately 41 residential units in the Sonoma Isles development.

Construction: Staff performed construction inspections, shop drawing review, RFI responses and/or attended preconstruction meetings for the following projects.

Tanah Keeta: Boy Scouts of America project that adds two bathhouses to the Tanah Keeta facility.

Bella Villaggio: This project includes a new gravity system to serve 16 units in a multi-family development located off County Line Road.

Sonoma Isles Residential Phase 2, 3 and 4: This phase of the project provides a gravity collection system to serve approximately 17 residential units and complete the loop road gravity system. This project was formerly known as Lakewood and Parcel 19.

Final Completion: Staff performed final completion activities to include final inspections, record drawings review and punch lists.

Jupiter Country Club Pod D, Phase 2: This project includes a new gravity system to serve 30 lots located in Jupiter Country Club located off Indiantown Road.

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

One Year Inspections: Staff performed one year warranty inspections on the following project.

Sonoma Isles Commercial: A commercial site at Indiantown Road and Marsala Court (just west of the FL Turnpike).

Ocean Breeze: A private gravity system with private lift station to serve a multi-family development just south of Marcinski on US 1.

Capital Projects

Staff were active on 24 Capital projects including the following activities.

Design/Bid: Staff are currently in the design or bidding phase for the following projects.

US1 Force Main Abandonment – Waterway Road to County Line Road: We have determined an alternate to the force main replacement approved by the Board in June. The alternate entails abandonment of the existing force main in US 1 from Schrimshaw to Waterway, connection of the low pressure system from Harbor Road South to Harbor Road North to the gravity system for LS 061 and connection of LS 068 to the force main at LS 061. This will result in abandonment of approximately 4,000 LF of force main in FDOT right of way. This alternate design will be fully functional and will be significantly lower cost than the earlier approach approved by the Board.

Survey work is complete and plans are expected to be submitted for permitting by December 2016.

Lift Station Rehabilitations for 2017: Rehabilitation of lift stations 16, 35 and 105. Plans are complete for LS 16 and 105. LS 35 is in progress. This project advertises for bid this month. Bids will be received in January.

Lift Station 114 Rehabilitation: Upgrades and rehabilitation of lift station 114. This station is a re-pump station serving the A1A corridor from Olympus through Juno Beach. Staff have coordinated Xylem for pump sizing, with DFS for telemetry requirements and are currently working on variable speed drive and PLC controls for the new panel. It is anticipated that bidding should begin in January 2017.

Lift Station 242 Emergency Generator: Installation of a permanently installed standby emergency generator to serve Lift Station 242 which services Independence Middle School, the designated Red Cross Shelter for the Jupiter Area. Bids were received and a contractor has been selected. Staff are coordinating with TECO Gas for a natural gas service. Natural gas should be available for service by February 2016. Submittals for the generator have been reviewed and the generator has been released for manufacturer. Delivery of the generator is expected in January 2016.

Tequesta Drive Low Pressure Sewer System: Staff are working on a low pressure sewer system design to serve two remnant properties on Tequesta Drive across from Village Hall.

Shay Place Low Pressure Sewer System: Staff are working on a low pressure sewer system design to serve 11 properties on Shay Place off Seabrook Road in Tequesta. This project is part of our neighborhood sewerage program.

Lenmore Drive: Staff are working on a low pressure sewer system design to serve 3 properties on Lenmore Drive off Palmwood Road. This project is part of our neighborhood sewerage program.

Construction: Staff provided construction inspection and engineering oversight for the following projects.

Hibiscus Avenue: This project provides gravity sewers to 10 existing homes on Hibiscus Avenue in Juno Beach. The NTP is scheduled to be issued in January of 2017. All submittals have been approved excluding maintenance of traffic plans through the Town of Juno Beach. Based on January 2017 start, construction should be complete in March 2017.

Lift Stations 62 and 94: Contracts to complete lining for these two areas were included in last month's board notebook. Staff are scheduling with Layne Inliner and LMK to complete the work.

Consultant Projects:

Master Lift Station Rehabilitation This project is for the rehabilitation for the Master Lift Station located just east of Pennock Ln and Indiantown Rd. The project will include pump replacement, piping modifications, bypass facilities, isolation valves coatings and emergency generator replacement. A kick-off meeting was held in October, the consultant is currently working on 30% plans.

Alternate A1A Subaqueous Crossing Replacement: This portion of the project includes piping up to the aerial bridge crossing at the Loxahatchee River and Alternate A1A. The consultant has been coordinating with existing utilities and is currently working on 60% plans.

Jupiter Inlet Colony Neighborhood Rehabilitation: This project provides a gravity collection system and lift station to serve the approximate 240 homes and town facilities located in Jupiter Inlet Colony. Installation and testing of the water mains colony wide are complete. The contractor is beginning to connect services to the new main. Dewatering installation is scheduled to begin Monday, December 12, 2016 and in initial run of sanitary sewer to commence on December 14, 2016.

Maplewood Drive Force Main: This project installed a new back up force main from LS 21 to the force main in Indian Creek Parkway. Construction is complete and the force main is being tested with the new system.

Turtle Creek Phase 1: The project has been awarded. Construction is tentatively scheduled to commence in early 2017.

Alternate A1A/Damon Bridge Water Main Replacement and Force Main Installation: This project includes installation of a new 16" force main on the Damon Bridge to replace the existing 24" force main subaqueous crossing of the Loxahatchee River. The Town of Jupiter held a bid opening on December 6, 2016. No bids were received. We are on hold pending action from the Town.

Loxahatchee River Road IQ Main Replacement and 4" Force main Installation: A project to replace a 16" aerial crossing along Loxahatchee River Road. The project is currently in for a permit revision to add a 4" waste water force main to the project as part of the final extension of

the Districts waste water force main system along Loxahatchee River Road.

Whispering Trails Neighborhood Sewer System: This project provides a gravity sewer system to provide serve 181 lots in the Whispering Trails Subdivision off of Loxahatchee River Road. A kickoff meeting is scheduled for December 2016.

Other Utility Projects

These projects include plan review, coordination and inspections associated with other utilities such as the Town of Jupiter, Village of Tequesta, Town of Juno Beach, Palm Beach County and Martin Co.

Pine Gardens South: A Town of Jupiter project that provides storm system upgrades in the Pine Gardens South development.

North Jupiter Water Main Improvements: A Town of Jupiter project to replace AC water mains in the north Jupiter area.

Waterway Park: A new boat ramp facility on the Intracoastal and Indiantown Road.

Burt Reynolds Park: Burt Reynolds Park West is being renovated. Renovations include demolition of the old Chamber of Commerce building and reconfiguration of parking to add additional spaces and streamline the flow of boat trailer traffic.

Toney Penna and Old Dixie Hwy: A PBC project to improve the intersection. Minor adjustments to existing District facilities are required.

Riverside Drive Paving: A Town of Jupiter project to repave Riverside Dr from Alt A1A to River Terrace.

SR 5 from Beach Road to County Line Road: An FDOT project to repave and reconfigure a portion of SR 5 (US 1) from Beach Road to County Line Road. Staff are coordinating with the FDOT for adjustments and replacement of District facilities to accommodate the revised right of way. This project is in conjunction with the US 1 Force Main Abandonment project noted above.

Construction

Staff were involved in various projects including the following activities.

Headworks Sluice Gate Installation: Staff completed installation of two new sluice gates to replace existing “stop logs” gates in the plant headworks. This project was successfully completed in coordination with Plant, Collections, Construction and Inspection staff and included two night time mobilizations and two collection system shutdowns. The successful completion of this project is a direct result of District staff’s knowledge and expertise.

Abacoa POC 001: Staff completed temporary repairs to the 4-inch reuse main feeding Reuse Point of Connection 001 in Abacoa.

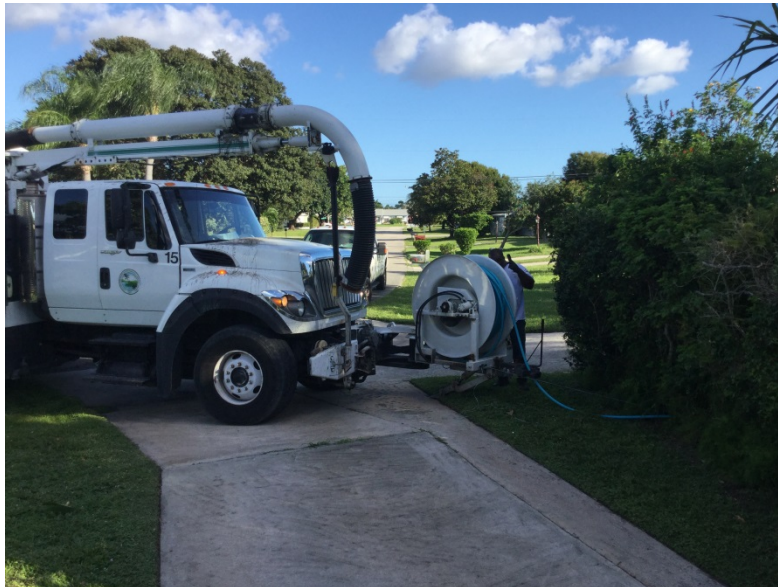


Collections/Reuse Departments:

Staff performed all monthly assigned preventative maintenance work order tasks.

Lift Stations :

Staff completed PMs, cleanings, inspections and evaluations on lift stations and associated underground assets including Lift Stations 1, 5, 6, 11, 23, 48, 57, 61, 75, 81, 83, 90, 91, 110,111,112, 133, 159,160, 161, 162, 200, 203, 204, 226, 228, 230, 233, 240, 248 and 257.



Vaccon crew and Collection Crew performing annual gravity main line cleaning on Seneca Street



Vac con and Collections crew cleaning lift station #161 for confined space entry inspection

Low Pressure:

For the reporting month of November six new low pressure systems came online in the low pressure system.

General:

Collection staff coordinated a system wide shutdown allowing Construction staff access to the headworks for installation of sluice gates on the existing bypass channel. This shutdown also allowed Kirlin (Deep Bed Filter contractor) access to Filter Dosing Pump Station No. 1 for scheduled work associated with the Deep Bed Filter project.



Scheduled night work at Headworks (District) and also for Deep Bed Filters work (Kirlin) at Filter Pump Station #1



Annual valve exercising and air release valve repairs were performed in field during the collection system shutdown.

Reuse: Staff completed all assigned PM work orders that are associated with the entire Distribution system of Golf course customers and Abacoa Development and data input and approval.

During reporting month, there were no major system interruptions in the collection, transmission or reuse systems that caused emergency or systems to not operate normally.

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

MEMORANDUM

TO: Albrey Arrington, Executive Director

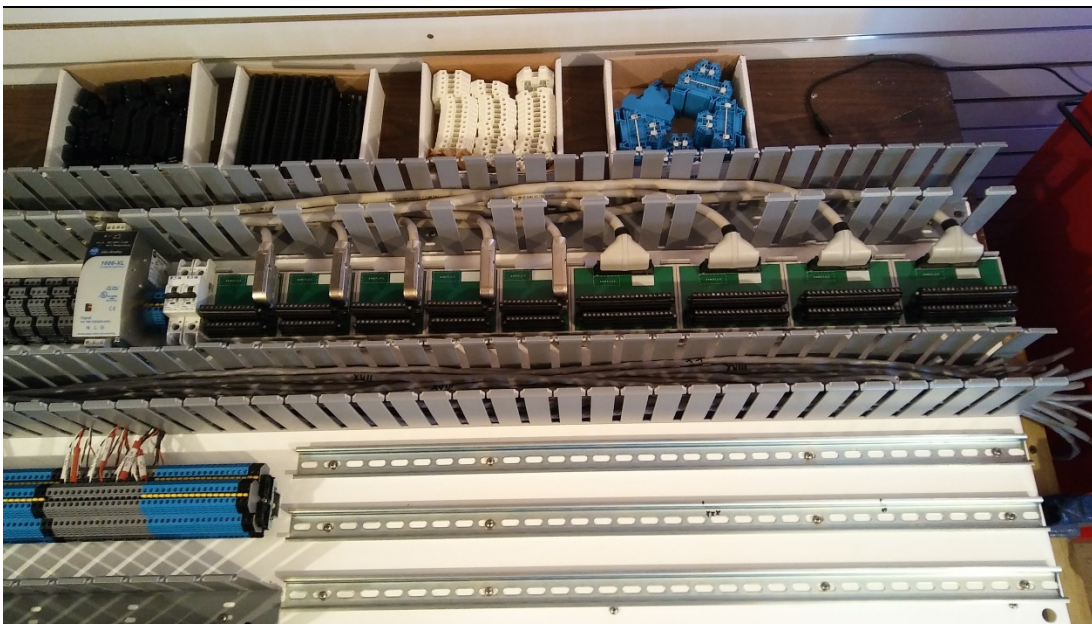
FROM: Tom Vaughn, Director of Operations

DATE: December 6, 2016

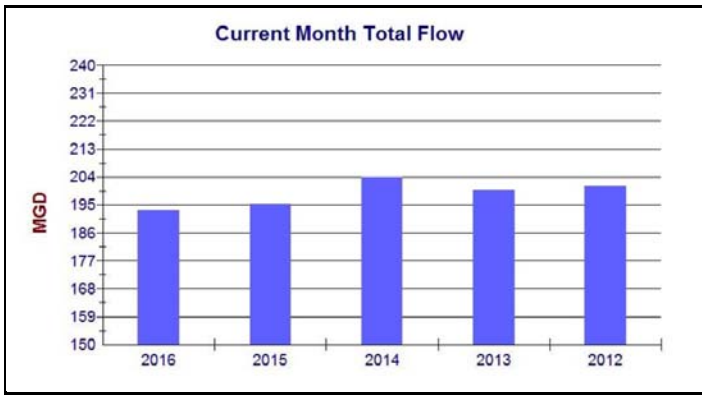
SUBJECT: Operations Department Monthly
Report for November 2016

Treatment Plant Division

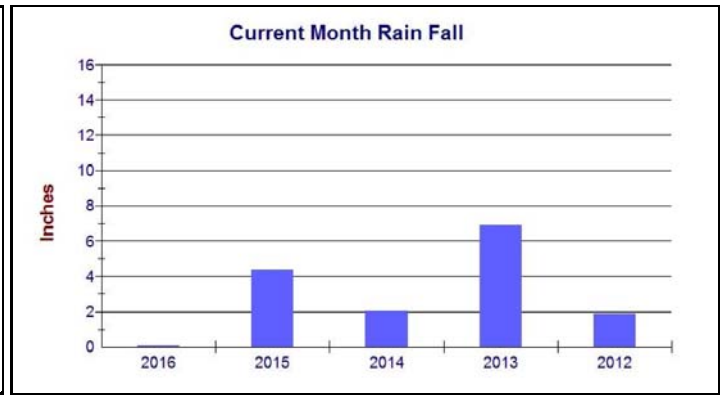
The Operations Department is currently in the process of automating the entire dewatering control system. The new system will replace the old way of operating the belt presses in many ways. Some of the changes include automation of valves and feed rates of both polymer and sludge along with belt press speeds. This new control system will allow the District to produce a more consistent sludge and have a cost savings in the reduction of polymer and power usage. Operations believes that the automation of dewatering is only the start of what may come in the future for other parts of the plant using the same technology.



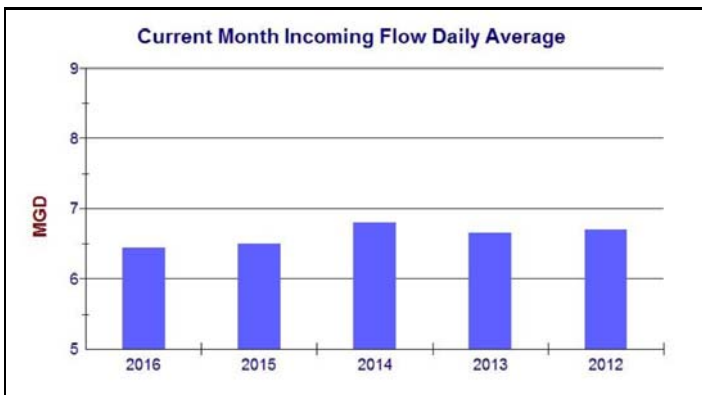
We have had another great month of no Permit exceedances.



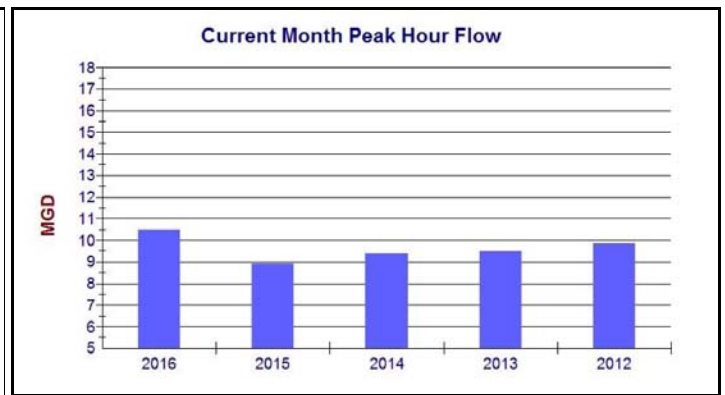
The plant total flow for the month of November was 193.27 million gallons.



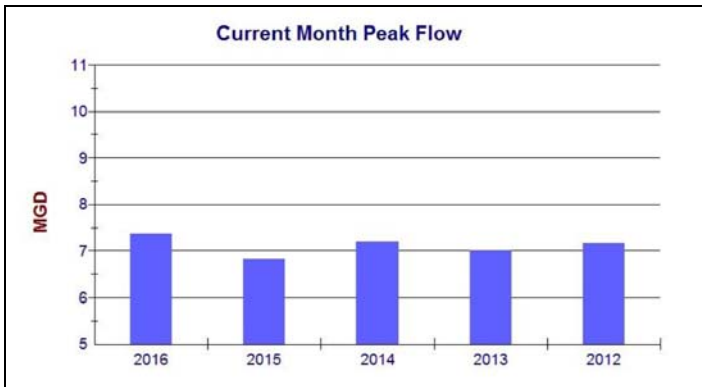
0.11 inches of rainfall were recorded at the plant site during the month of November.



The treatment plant incoming flow for the month of November averaged 6.44 MGD compared to 6.51 MGD one year ago for the same month.

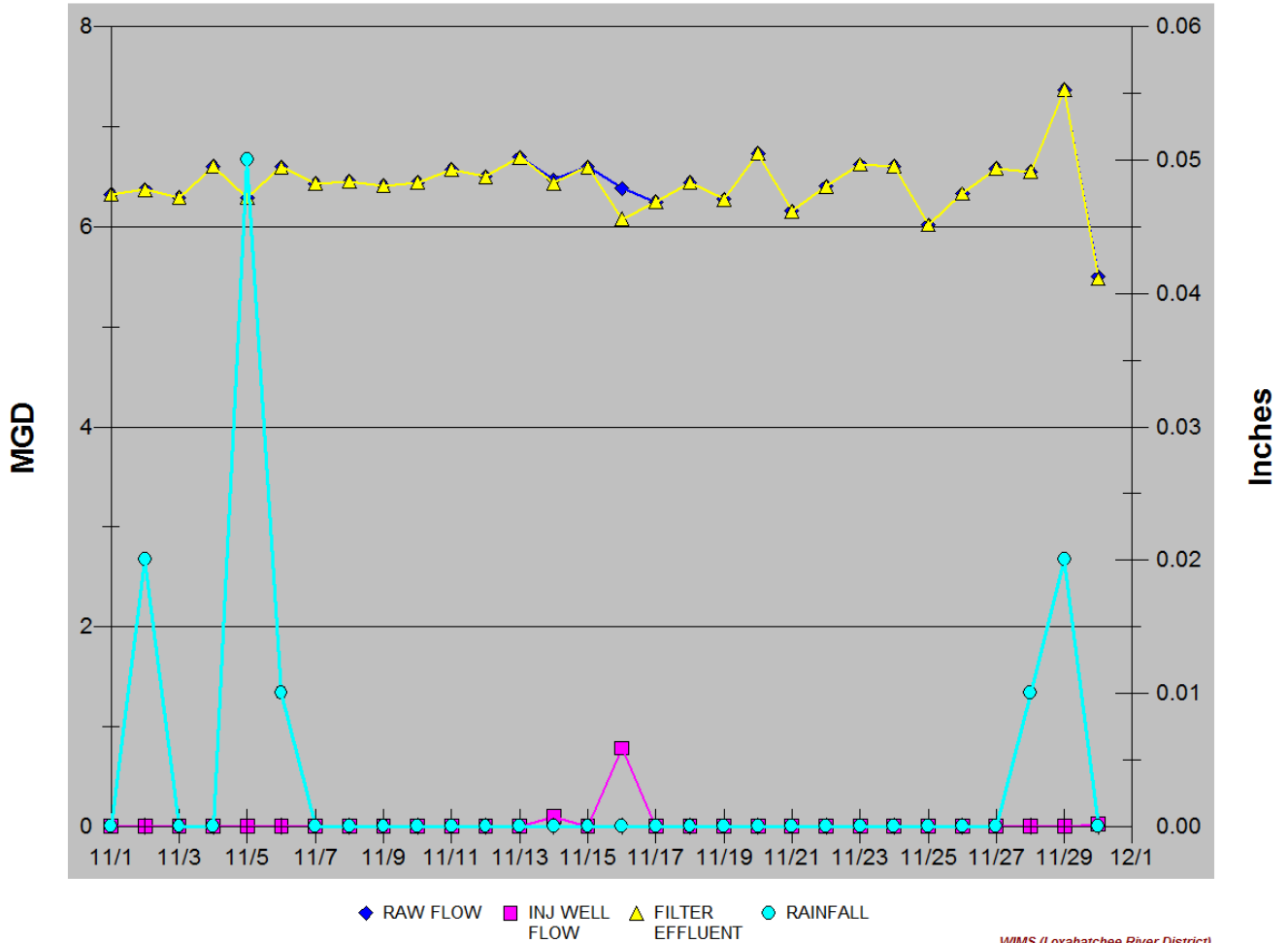


The peak hourly flow rate in November was 10.48 MGD.



The greatest single day average flow in November was 7.37 MGD.

The plant received 193.27 MG of influent flow of which 192.91 million gallons were sent to the IQ storage system where they were dispersed as needed to the various golf courses and the Abacoa development sites. We received 0.11 inches of rain during the month and 0.90 million gallons of blended effluent was diverted to the Injection Well due to contractors moving a 3 inch service water line. Overall, 99.82% of incoming flows was recycled for IQ use and the plant delivered 215.45 million gallons of IQ water to the Reuse customers.



WIMS (Loxahatchee River District)
DR-Plant Flows and Rain Fall

For the year 2016, the plant recycled 62.32% of all incoming flow and the total amount of IQ water delivered to reuse customers stands at 1,485.37 million gallons.

All required monthly reporting has been submitted on time.

Safety / Compliance

SAFETY TRAINING. Safety training for the month of November reviewed Bloodborne Pathogens, and how District employees can protect themselves from the transmission of diseases such as HIV or hepatitis B & C. The District provides personal protective equipment (PPE) such as gloves, eye protection, and face masks for employees who may have the possibility of exposure to contaminated materials. The District also has Spill Clean Up Kits posted in various locations for the proper identification and disposal of potentially infectious materials.



FRWA. The District received a visit from Jamie Hope with the Florida Rural Water Association, to assist in the wastewater license prep classes held here in the Operations Education Room. These courses help operators better understand plant process control, hydraulic loading issues, as well as recognizing potential plant upsets and how to avoid these situations. Many who attended were preparing for the upcoming DEP license exam being hosted in the Operations Building.



CEU's. District employees also attended a training session on Chemical Safety which outlined general hazardous materials management issues. The major topics discussed involved chemical inventory, understanding safety data sheets, safe work practices and emergency spill response. All who participated were eligible to earn .6 CEU's towards their DEP water or wastewater licenses.



D.E.P. The DEP held license exams on November 17th with over 100 attendees visiting from across the state. DEP license holders prove their competence and dedication to providing our customers with the best service available here at the Loxahatchee River District.



The District has no lost time to report for the month of November.

Maintenance

BELOW. The rear doors and frames of the dewatering building were deteriorated and in need of replacement. We were able to purchase doors and the frame from a local distributor. The installation was performed by maintenance staff.

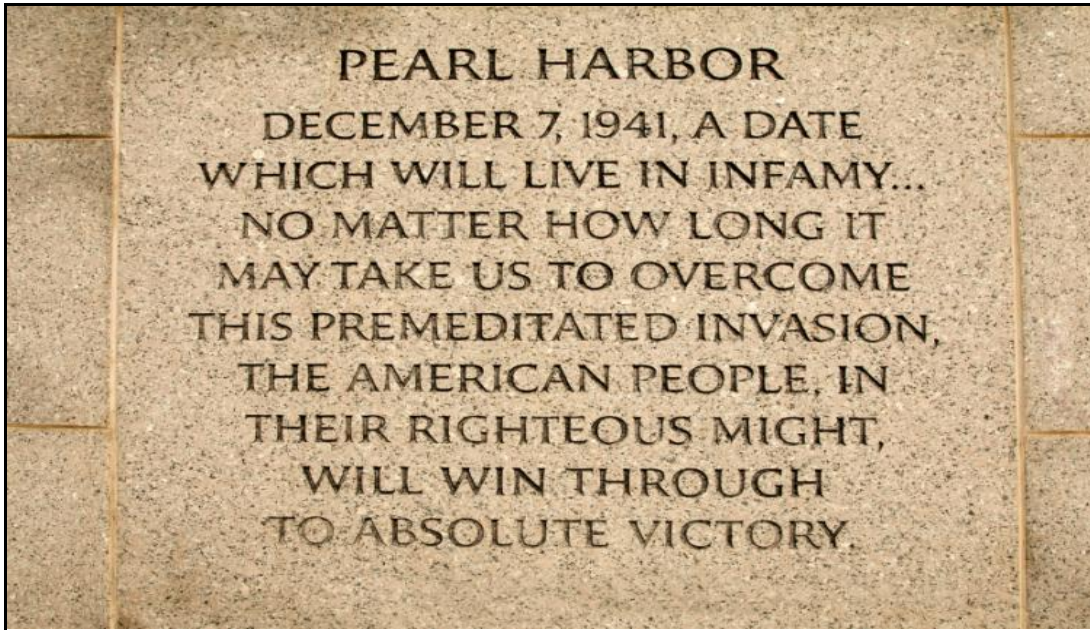


BELOW. The maintenance department is working close with the operations department to continue to increase the operator's knowledge of the equipment. The operator is performing the repairs under the watchful eyes of the maintenance technician.



Tidbits from Tom

Pearl Harbor - December 7, 1941 distinguishes the sacrifices made by the people of our nation; the veterans of WWII, who have responsibility in garnering many of the freedoms which we enjoy today. We must be mindful of the sacrifices of our own family members, some of which we have never met and that have come before us. Our history, both nationally and individually, allows for the freedoms, the comforts and the pride which we presently enjoy.



A Holiday Thanks:



We would like to thank the Board for the benefits that the staff receives during the holiday season. The recognition that has been shown to the employees of the Loxahatchee River District by its Board members is widely appreciated.

See ya' at the Top – (That's near Cheese Station "N")

**Tom Vaughn
Director of Operations**

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

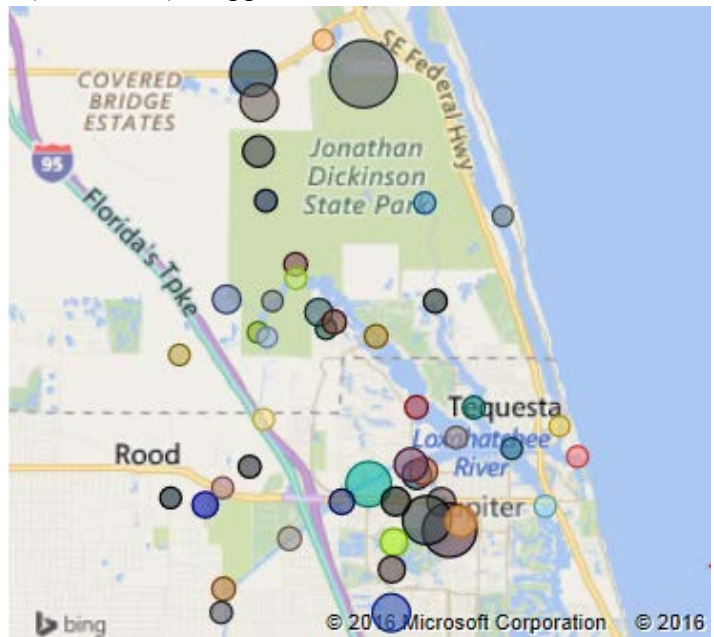
MEMORANDUM

TO: Albrey Arrington, Ph.D., Executive Director
FROM: Bud Howard, Director of Information Services
DATE: December 9, 2016
SUBJECT: Monthly Governing Board Update for November 2016

WildPine Ecological Laboratory

Riverkeeper Project

District and Town of Jupiter staff collected water quality samples from 53 monitoring sites in November. Water temperatures continued to drop several degrees in November averaging 73°F, down from 77°F in October and 84°F in September. The heavy seas/winds associated with Hurricane Matthew and subsequent weather patterns in October have subsided, resulting in much better water clarity overall. For instance, turbidity from our inlet sampling site (Station 10) dropped from 19 ntu in October to 4 ntu, along with a drop in suspended solids from 29 mg/L in October to 16 mg/L. Phosphorus and chlorophyll concentrations also declined in our monitoring stations closest to the inlet. Average chlorophyll levels on our bi-monthly stations were better in November (12 ug/L) when compared to September (20 ug/L). The data visualization tools on our website provide a spatial view of chlorophyll concentrations throughout our study area (see right, the larger circles indicate elevated chlorophyll concentrations). November also saw a noticeable difference in bacteria levels as they continued to drop at all stations. In the Sims/Jones Creek drainage basins, 55% of the samples had “Good” water quality. These great conditions were reflective of the absence of rain this month.



Chlorophyll levels in 2016 are poorest in JDSP and in the Southwest Fork of the Loxahatchee River as indicated by the location of the larger dots. The points represent average concentrations for 2016 at each site.

Stephen B. Rockoff
Board Member

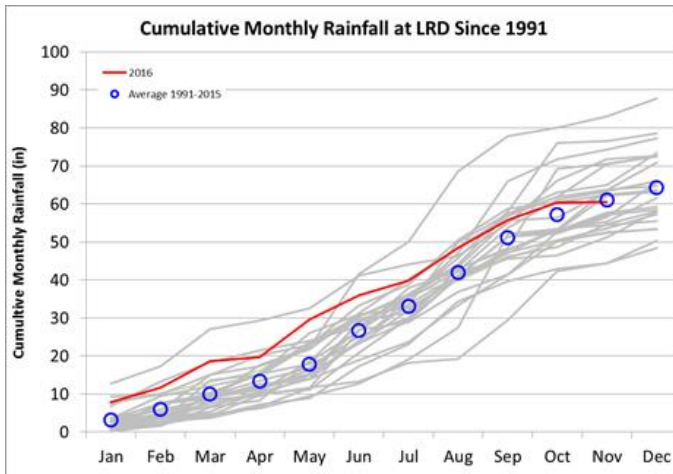
Dr. Matt H. Rostock
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Board Member

Hydrologic and Datasonde Monitoring



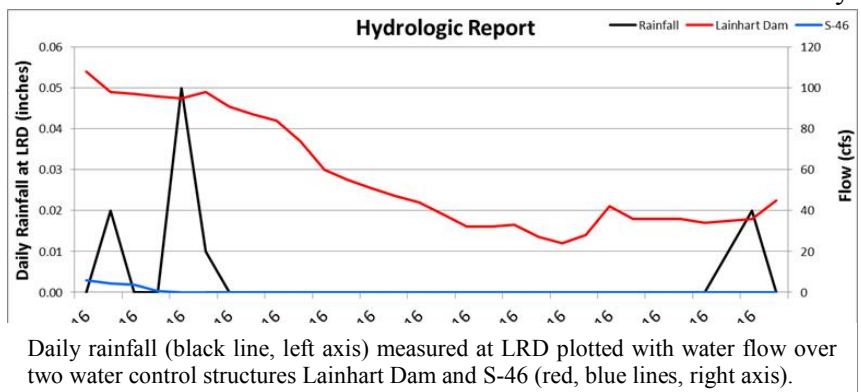
Cumulative graph of annual rainfall measured at LRECD. Blue circles indicate mean accumulative annual rainfall since 1991.

November was 57 cfs with peak flows occurring at the beginning of the month at 108 cfs. Mean daily flow steadily decreased over the next three weeks until November 21 when flows reached the monthly minimum of 24 cfs and increased shortly thereafter as water managers made efforts to meet minimal base flow of 35 cfs. Flows fell below the 35 cfs minimum flow for 8 days of the month. There was no meaningful flow at the S-46 control structure.

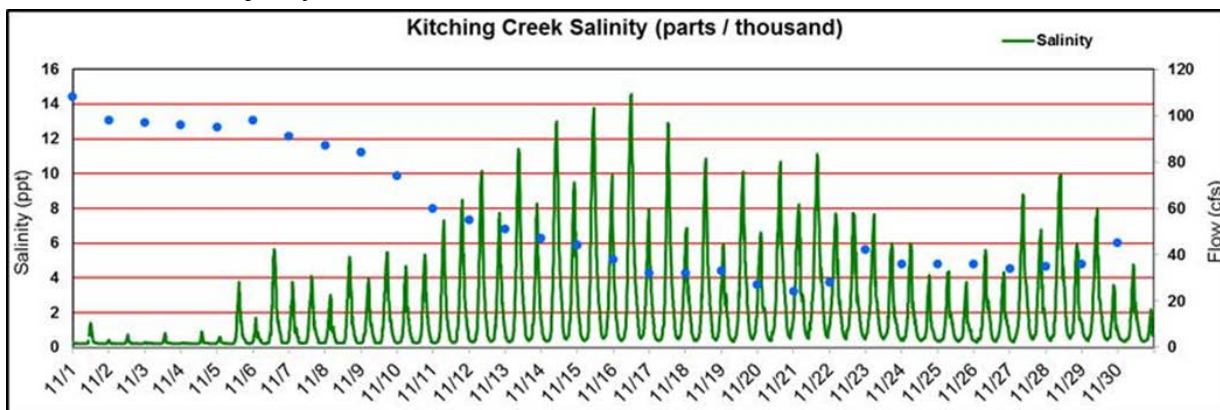
Our instrumentation recorded salinity changes in the Northwest Fork. Saltwater intrusion was evident at Kitching Creek, likely a result of the combined effects of reduced flow from minimal rain and a full moon which occurred on November 14. It appear water managers made adjustments to increase flow to minimum levels, which helped decrease saltwater intrusion. However, salinity remained higher than desired for the majority of the month.

2016 started out with record rains but is ending with a record dry November (per the SFWMD), resulting in a near average total rainfall for the year. During the month of November, the District observed far less than average rainfall with monthly total of 0.1” compared to 3.8” typically measured during November. Rainfall totals from around the watershed mirror that of LRD as total rainfall in the region was only 0.3”. The lack of rain this month brings the cumulative rainfall for the year to 60.5”, very near the 25 year mean of 61.0” through November.

The lack of rain is reflected in the notable decline in river flows. Mean flow over Lainhart Dam for



Daily rainfall (black line, left axis) measured at LRD plotted with water flow over two water control structures Lainhart Dam and S-46 (red, blue lines, right axis).

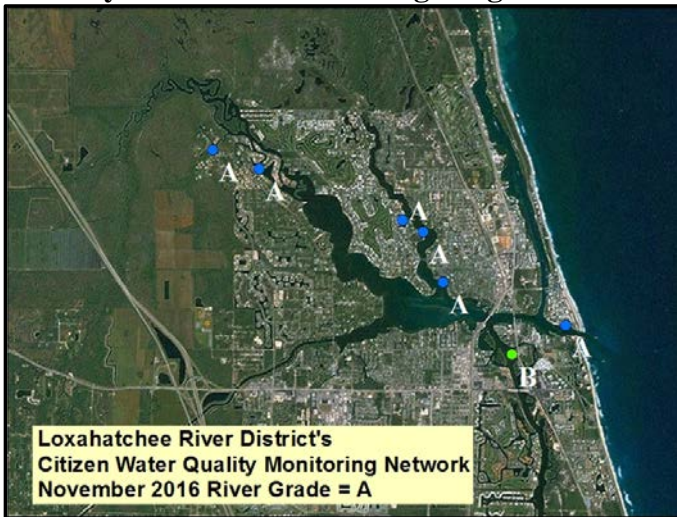


Salinity plot with flow at Kitching Creek monitoring station showing the increase in salinity during incoming tide as river flows decrease. Blue dots represent mean daily flow measured at Lainhart Dam.

Oyster Recruitment Monitoring

It appears the Fall oyster spawning and settlement period is coming to a close. The evaluation of oyster settlement from October 19 and November 16 indicated minimal oyster recruitment activity, relative to the robust settlement activity last month. Settlement was overall highest in the Southwest Fork with a mean density of 374 spat m⁻² with downstream and upstream distribution of settlement activity at 585 spat m⁻² and 162 spat m⁻² respectively. The Northwest Fork had slightly less activity with a mean density of 282 spat m⁻² with the highest settlement activity observed at the upstream site where density was 368 spat m⁻², compared to the downstream site where density was 195 spat m⁻². All the oyster spat observed during this monitoring period were unusually small (less than 1 mm).

Monthly Volunteer Monitoring Program



The calmer seas and limited rain and flow into the river were reflected in the weekly volunteer water quality data, which showed a substantial improvement in November by scoring a solid “A”. All of the parameters, except for water clarity throughout the watershed were in the “Good” range. The site at Burt Reynolds Park scored a “Poor” for water clarity, which gave the site an overall grade of “B”. The water clarity was subpar in the beginning of the month for all sites, but as time progressed the conditions improved resulting in strong monthly scores.

Information Technology

New Digital Compliance Reporting

IT Staff have been busy configuring our compliance data system to provide digital data deliveries of our compliance data to the Florida Department of Environmental Protection (DEP). Previously, our data system created a pdf digital report, but now this new submittal process (named EzDMR) delivers the data/observations directly into DEP’s data systems with extensive quality control and error checking.

Facility ID	Frequency	Part	Reporting Period	Due Date ↑	Last Update	Updated By	Actions
FLA000000	Annually	A	Jan/01/2012 Dec/31/2012	Jan/28/2013	Sep/26/2014 14:21:33	ezdmr_1	Edit DMR Preview PDF Export Data Import Data View Attachments
FLA000000	Quarterly	A	Apr/01/2014 Jun/30/2014	Jul/28/2014			Edit DMR Preview PDF Export Data Import Data View Attachments
FLA000000	Monthly	A	Jun/01/2014 Jun/30/2014	Jul/28/2014	Jul/25/2014 08:19:50	ezdmr_1	Edit DMR Preview PDF Export Data Import Data View Attachments

FDEP’s EzDMR web portal screen

Customer Service

Payment Processing

Fourth Quarter bills were due November 15 and our Customer Service staff processed a flood of over 16,600 payments totaling over \$2.3M. Fortunately, we continue to see a high number of these customers (over 10,000 last month) paying through digital means (ex. online bill pay, auto bank debit, or website) so we can process those payments very efficiently. This efficiency minimizes the backlog and frees up time to work on other, important account maintenance and process improvement projects.

Past Due Notices

In early December we sent 3,530 past due notices, approximately 500 fewer than our previous two quarters, perhaps a result of our recently implemented late fee. We are eager to see what proportion of these customers pay before the close of the quarter and the assignment of the next late fees.

Attorney Data Migration

On November 30 we took delivery of the attorney's lien account dataset, which includes fees, charges, interest and payments for over 500 active liens. District staff are now conducting a final review and cleanup of the data and will then load that data into our customer and billing database. Once loaded we will be able to provide instantaneous answers to our customers on their account balances, as well as manage the entire lien workflow (ex. final warning, lien, and lien amendment) through our system and with the Attorney's office.

Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • www.loxahatcheeriver.org



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

MEMORANDUM

TO: Governing Board
FROM: Administration Staff
DATE: December 9, 2016
SUBJECT: Consultant Payments

The following amounts have been reviewed, and approved for payment to our consultants for work performed during the prior month.

	<u>Prior Month</u>	<u>Fiscal YTD</u>
DeSantis, Gaskill, Smith & Shenkman	\$13,175.70	\$39,694.95
Arcadis	\$52,893.55	\$84,453.36
Hazen	\$48,760.48	\$86,550.72
Holtz	\$11,261.80	\$27,020.50
Mathews	\$5,285.55	\$10,466.61

Should you have any questions in regard to these items, please contact Kara Peterson concerning the attorney's invoice, and Clint Yerkes concerning the engineers' invoice.

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Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Board Member

Gordon M. Boggie
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member



Future Business

Neighborhood Sewering:

- Hyland Terr. (all areas) – Preliminary Assessment

Other:

- Lift Station Rehabs 2017 construction contract
- Lift Station 114 Rehabilitation construction contract
- US1 Tequesta Force Main relocation construction contract
- Litigation Procedures
- Renewal of River Center Lease with Palm Beach County