

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 #6-2019 May 16, 2019 – 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 8**
 - B. Loxahatchee River District Dashboard **Page 9**
5. Consent Agenda (see next page) **Page 10**
6. Regular Agenda
 - A. Consent Agenda Items Pulled for Discussion
 - B. Busch Wildlife Sanctuary Zoo Mesh Cost Reimbursement **Page 14**
7. Reports (see next page) Pulled for Discussion **Page 15**
8. Future Business **Page 60**
9. Board Comments
10. Adjournment

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

Submitted by:
Date: May 6, 2019

\\Lrecd-fp01\admin\BOARD\Agenda\2019-05_LRD-Board-Agenda.docx

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
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. LS 43 Emergency Generator Award of Contract LS
- B. 62 Emergency Generator Award of Contract
- C. Change Order- to approve modifications

7. REPORTS

- A. Neighborhood Sewering
- B. Legal Counsel's Report
- C. Engineer's Report
- D. Busch Wildlife Sanctuary
- E. Director's Report

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: Recording Secretary

DATE: May 8, 2019

RE: Approval of Meeting Minutes

Attached herewith are the minutes of the Regular Meeting of April 25, 2019. As such, the following motion is presented for your consideration.

“THAT THE GOVERNING BOARD approve the minutes of the April 25, 2019 Regular Meeting as submitted. “

J:\BOARD\MinutesSamples\MinutesMemo2019.docx

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
REGULAR MEETING - MINUTES
April 25, 2019

1. CALL TO ORDER

Chairman Rostock called the Regular Meeting of April 25, 2019 to order at 7:00 PM.

2. ADMINISTRATIVE MATTERS

A. ROLL CALL

The following Board Members were in attendance.

Mr. Boggie
Mr. Rockoff
Mr. Silverman
Mr. Snyder
Dr. Rostock

Staff Members in attendance were Dr. Arrington, Mr. Howard, Ms. Peterson, Mr. Campbell, Mr. Dean.

Consultants in attendance were Ms. Miranda from Holtz Consulting and Mr. Pugsley from Mathews Consulting.

Ms. Kight and Ms. Wynne with Busch Wildlife Sanctuary were also in attendance.

B. PREVIOUS MEETING MINUTES

The minutes of the Regular Meeting of March 21, 2019 were presented for approval and the following motion was made.

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

“THAT THE GOVERNING BOARD approve the minutes of the March 21, 2019 Regular Meeting as submitted.”

C. ADDITIONS & DELETIONS TO THE AGENDA

No additions or deletions were made.

3. COMMENTS FROM THE PUBLIC

No comments were received.

4. STATUS UPDATES

A. LOXAHATCHEE RIVER WATERSHED STATUS

Mr. Howard discussed ongoing water quality issues in the Jones Creek Water Shed.

Members of the public from the Jones Creek area were in attendance and participated in a question and answer session with Mr. Howard.

A break was taken between 7:55 and 8:00.

B. LOXAHATCHEE RIVER DISTRICT DASHBOARD

Dr. Arrington reviewed the District Dashboard.

5. CONSENT AGENDA

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

“THAT THE GOVERNING BOARD approve the Consent Agenda of April 25, 2019 as presented.”

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

A. Headworks Emergency Standby Generator- to approve purchase

“THAT THE DISTRICT GOVERNING BOARD rescind the previous authorization given at the December 13, 2018 Board Meeting to “piggyback” the Florida Association of Counties (FSA&AC) contract with ACF Power Systems, Inc. for an 80 KW Generator Package Specification #77 in accordance with ACF Power System, Inc.’s proposals dated October 1st, 2018.”

and

“THAT THE DISTRICT GOVERNING BOARD authorize the “piggyback” of ACF Power Systems FSA&AC Contract FSA 18-VEH 16.0 Cab and Chassis Trucks and Heavy Equipment, 125 KW Generator package Specification #76 for a 125KW Stationary Emergency Generator and 225 Amp Automatic Transfer Switch in accordance with their proposal dated January 25, 2019.

B. Fixed Asset Disposal – to approve disposal

“THAT THE GOVERNING BOARD authorize the Executive Director to dispose of tangible personal property including fixed asset number PE007 and asset tag numbers 2576, 2625, 2632, 2639, 2645, 2650, 2655, 2681, 2723, 2835, 2835, 2850, 2875, and 2897 in the schedule above.”

C. New Palm Beach Heights Sewer Construction- to award contract

“THAT THE DISTRICT GOVERNING BOARD authorize the award of a contract to The Lazarus Group, Inc. for the New Palm Beach Heights Low Pressure Sewer System in the amount of \$110,776.75 and an additional contingency amount of \$5,000.00.

D. Change Orders to Current Contracts – to approve modifications

“THAT THE DISTRICT GOVERNING BOARD approve execution of Change Order.

6. REGULAR AGENDA

A. CONSENT AGENDA ITEMS PULLED FOR DISCUSSION

No items were pulled for discussion.

B. Liability and Worker's Compensation Insurance

Dr. Arrington reviewed Ms. Peterson's memo.

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

“THAT THE DISTRICT GOVERNING BOARD authorize the Executive Director to accept *Preferred's* two-year renewal quote for Property, General Liability, Automobile Liability and Physical Damage, and Workers' Compensation.”

C. Busch Wildlife Sanctuary Zoo Mesh Cost Reimbursement

Mr. Boggie reviewed his memo.

This issue was tabled until the May 16, 2019 Board Meeting.

D. Rules Chapter 31-14 Storm Stormwater Management

Dr. Arrington reviewed his memo.

7. REPORTS

The following reports stood as written:

- A. NEIGHBORHOOD SEWERING
- B. LEGAL COUNSEL'S REPORT
- C. ENGINEER'S REPORTS
- D. BUSCH WILDLIFE SANCTUARY

Ms. Lisa Wynne reviewed the Sanctuary dashboard.

- E. DIRECTOR'S REPORT

8. FUTURE BUSINESS

Dr. Arrington reviewed the Future Business.

9. COMMENTS FROM THE BOARD

No comments were received.

10. ADJOURNMENT

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

"That the regular meeting of April 25, 2019 adjourned at 8:42 PM."

BOARD CHAIRMAN

BOARD SECRETARY

ACTING RECORDING SECRETARY



Loxahatchee River Watershed Status Report: Research Project to Evaluate the Effectiveness of Stormwater Filtration Devices

The WildPine Laboratory is on a quest for a motivated intern to work with us on an exciting new project to evaluate the effectiveness of Stormwater Filtration Devices. These devices are designed to provide water quality improvements through the removal of trash, sediments and vegetation that washes off streets and yards during rain events. In our community many of the older stormwater drainage systems in proximity to the Loxahatchee River provide minimal treatment before the stormwater enters the river. At our meeting we present our plan for this interesting project.



www.suntreetech.com



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 (excluding assessment & capital contrib.)	Operating Expenses	Capital Projects		Employee Safety	Minimum Flow Compliance	Salinity @ NB seagrass beds	River Water Quality
Benchmark / Customer Expectation		% of Target	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	# Days MFL Violation	%	Fecal Coliform Bacteria (cfu/100ml)
Green Level		≥ 90%	< 7.7	<2	Zero	Zero	Zero	<1542	≤ 15	≥ \$9,894,657	≥ 95%	≥ 85% but ≤ 105%	≥80%	≥80%	Zero	0	min ≥ 20 ‰	90% of sites ≤ 200
Yellow		< 90%	< 8.8	≥ 2	1	≥ 1	≥ 1	≤1875	≤ 25	< \$9,894,657	≥ 90%	≥ 80%	≥60%	≥60%	-	1	min ≥ 10 ‰	2 or more sites >200 but ≤ 400
Red		<75%	≥ 8.8	≥ 9	≥ 2	> 2	≥ 2	>1875	> 25	< \$5,557,057	< 90%	< 80% or > 105%	< 60%	< 60%	≥ 1	≥ 2	min < 10 ‰	≥ 2 sites > 400
2016 Baseline		2,169	6.7	0	0	1	0	1,063	12	\$ 33,223,653	96%	90%	100%	85%	0	not avail	18	1 > 200
2017 Baseline		104%	6.6	1	0	2	0	1,127	9	\$ 30,425,084	95%	85%	98%	85%	0	not avail	23	1 > 200
2018 Baseline		112%	6.8	1	0	2	0	1,216	8	\$ 33,683,858	99%	85%	95%	56%	0	42	23	1 > 200
2018	Apr	89%	6.8	0	0	1	0	1,350	14	\$ 30,470,440	101%	88%	93%	47%	0	12	32.3	1 > 200
	May	139%	7.2	1	0	4	0	1,245	0	\$ 32,001,517	101%	89%	93%	47%	1	0	7.0	5 > 400
	June	100%	7.1	3	0	3	0	1,061	6	\$ 30,357,463	100%	88%	93%	47%	0	0	8.6	6 > 200
	July	102%	6.5	0	0	3	0	987	5	\$ 36,393,890	100%	88%	93%	27%	1	0	11.0	0 > 200
	Aug	106%	6.6	2	0	0	0	1,039	7	\$ 36,911,972	99%	89%	93%	27%	1	0	15.8	7 > 200
	Sept	96%	6.3	3	0	5	0	1,219	8	\$ 35,472,108	100%	87%	93%	27%	0	0	17.6	1 > 200
	Oct	120%	6.4	1	0	2	0	1,296	7	\$ 35,973,349	96%	73%	100%	100%	0	0	29.1	1 > 200
	Nov	120%	6.6	0	0	3	0	1,226	8	\$ 37,075,977	95%	82%	100%	100%	0	0	29.2	1 > 400
	Dec	131%	6.8	0	0	1	0	1,310	5	\$ 37,311,234	103%	84%	100%	67%	1	14	33.3	0 > 200
	2019 Jan	105%	7.2	0	0	6	0	1,399	8	\$ 37,478,367	101%	84%	100%	67%	1	17	29.9	1 > 200
	Feb	106%	7.6	0	1	0	0	1,262	7	\$ 39,498,968	101%	86%	100%	83%	0	3	24.5	1 > 400
	Mar	119%	7.2	0	0	2	0	1,170	0	\$ 38,046,365	99%	88%	100%	75%	0	0	30.4	0 > 200
	Apr	79%	6.9	0	0	4	0	1,176	not available	\$ 38,021,490	99%	89%	100%	73%	0	0	31.2	0 > 200
Consecutive Months at Green		0	119	7	2	0	69	104	23	118	82	4	43	0	3	2	7	8
Metric Owner		O'Neill	Campbell	Dean	Dean	Dean	Campbell	Campbell	Dean	Peterson	Peterson	Peterson	Dean	Dean	Campbell	Howard	Howard	Howard

Metric	Explanation
Public Education	Four large school groups cancelled their programs, which caused us to miss our target participation.
Sewer Overflows	This month we had four sewer overflows. #1 approximately 5 gallons of wastewater was spilled at the treatment plant when operators were disassembling a portable pump; #2 approximately 200 gallons of wastewater leaked from a broken 1.25 inch PVC discharge pipe on low pressure sewer station. #3 approximately 250 gallons of wastewater leaked out of manholes because of a failed 24 volt transformer in Lift Station #36 control panel. #4 approximately 11,000 gallons of wastewater was spilled at the Master Lift Station because of a 1 inch pipe fitting failed. The spilled wastewater was captured in and pumped out of the stormwater system. For more information, see Kris' Engineering Report or Tony's Operations Report.
Capital Projects: On-time	The following projects are behind schedule: installation of permanent generators at Lift Station 43 and 62 is behind schedule but should be completed this fiscal year; replacement of Olympus force main will likely be completed 4 months behind schedule (in FY2020); and construction of low pressure sewers in Island Country Estates - we are working on a plan to make up lost time; JORC (Jupiter Ocean Racquet Club) force main has fallen approximatley 2 months behind schedule due to multiple factors.

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: May 8, 2019
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. LS 43 Emergency Generator Award of Contract
- B. LS 62 Emergency Generator Award of Contract
- C. Change Order- to approve modifications

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

The following Motion is provided for Board consideration:

**“THAT THE GOVERNING BOARD approve the Consent Agenda of
May 16, 2019 as presented.”**

Signed,

A handwritten signature in blue ink, appearing to read "D. Albrey Arrington".

D. Albrey Arrington, Ph.D.
Executive Director

J:\BOARD\Consent2019.docx

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

TAB 5A

Lift Station 043 Emergency Generator Award of Contract

Pricing came in under the amount required for Board approval. The project award will be approved by Staff.

TAB 5B

Lift Station 062 Emergency Generator Award of Contract

Pricing came in under the amount required for Board approval. The project award will be approved by Staff.

THIS
PAGE
INTENTIONALLY
LEFT
BLANK

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: GORDON BOGGIE, Board Secretary & Busch Wildlife Sanctuary Liaison
DATE: APRIL 4, 2019
SUBJECT: LRD REIMBURSEMENT TO BWS FOR NEW ALLIGATOR EXHIBIT
RE: Loxahatchee River District Board meetings of 21 Feb 2019 & 21 March 2019 & BWS License Agreement

At the LRD Board meeting of 21 February 2019, for aesthetic reasons, the LRD Board requested Busch Wildlife Sanctuary (BWS) investigate options other than chain link fence for portions of the proposed Alligator/Crocodile exhibit. At the 21 March LRD Board meeting, BWS presented an option using "Zoo Mesh" for a portion of containment under question. The only available quote from one vendor indicated a cost change of \$31,000 for zoo mesh instead of the original configuration.

As this is essentially a directed change from LRD that goes over and above BWS responsibilities in the referenced license agreement, I believe LRD should reimburse BWS for the additional cost.

There is precedence for this type of reimbursement when in 11 August 2011 the LRD-BWS Restated License Agreement stipulated that "The District agrees to reimburse up to \$50,000.00 to assist Busch in obtaining or constructing an alternate structure to house the Welcome Center including site plan, plumbing, electrical, construction of a new entrance, or any other associated expense to the external area of the Welcome Center." The referenced "alternate structure" incorporated aesthetic changes the LRD board wanted.

The following motion is offered for consideration:

"That the District Governing Board authorize reimbursement to BWS in the amount not to exceed \$31,000 for actual cost increase spent for LRD directed changes to the proposed Alligator/Crocodile exhibit. Payment to be made within 30 days of completed exhibit."

LOXAHATCHEE RIVER DISTRICT

Neighborhood Sewering Schedule



Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start Date
10	Turtle Creek Subsystem 3	5	Notified Owners – September 2012 Notice of Intent – December 2016 Notified to Connect – April 2018 Waiting to close out contract	2016	2017
10	Turtle Creek Subsystem 2	28	Notified Owners – September 2012 Notice of Intent – October 2016 Notified to Connect – April 2018 Waiting to close out contract	2016	2017
14	Whispering Trails	181	Notified Owners – January 2013 Notice of Intent – November 2016 Construction Started October 2018	2017	2017
16	Limestone Creek Road-West	71	Notified Owners – January 2013	2018	2020
16	181 st St N Gravity	11	Notified Owners – January 2013 Notice of Intent to Assess – October 2018	2018	2018
20	New Palm Beach Heights	35	Notified Owners – January 2016 Notice of Intent to Assess – October 2018 Resident meeting – October 2018 Construction Contract Award – April 2019	2019	2019
22	Bridgewater	70	In discussions with developer/engineer	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

Rank*	Area Description	Lots	Activity	Original Target Date	Revised Target Start Date
C	FDOT Turnpike Station <i>(institutional)</i>	3 ECs	Notified to Connect – February 2016 Variance requested – May 2016	2012	2020
H	Olympus Dr, Juno (LP)	2	Notified Owners – June 2013 Prelim. Design started – August 2017 Survey - 2018	2016	2018
	18870+18890 SE Country Club Dr, Cove Pt	3	Notified Owner – April + Aug 2017 Design started – August 2017	2018	2019
	US Highway 1 (13440-13500)	3	Notified Owners – August 2017	2019	2019
	Admiral's Cove West Guard House	1	Communicated with Engineer - July 2016	2019	2019
	280 Celestial Way	1	Gravity line connection availability found - November 2018 Notified to Connect – November 2018	2019	2019
	17211 Bush Rd	1	Gravity line connection availability found - December 2018 Notified to Connect – December 2018	2019	2019
	Thelma Ave. LPSS	4	Notified Owners – September 2017	2020	2020
	197 th PI N	3	Notified Owners – April 2019		2020

Private Road Areas – Page 2

Rank *	Area Description	# Lots	Activity	Original Target Date	Revised Target Start 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-Easements Solicited –May 2014 Notice of Intent – February 2014 Project Delayed	2013	AEO
CC	171 st Street (Martin Co.)	7	Private Road - In House Design Owners notified October 2012 Easement rec'd from Church – April 2017 Grant received	2014	AEO
CC	Jamaica Dr	11	Private Road Owners notified Oct 2012 Engineering Cost Estimates for low pressure sewers provided at resident's request April 2019	2014	AEO
CC	66 th Terr+Way	19	Notified Owners – Aug 2010 *Private Roads Notice of Intent to Assess – February 2015	2014	AEO
D	Loggerhead Park <i>(institutional)</i>	6 ECs	Need Easements from Palm Beach County	2014	2017
DD	Taylor Road	38	Notified Owners – September 2011 Private Roads	2015	AEO
EE	Imperial Woods LPSS	47	Notified Owners – October 2010 Withdrew Notification – Feb 2011 Easements Obtained – Aug 2017 + June 2018 Notice of Intent to Assess – September 2017 Grant Authorized Construction Award – February 2019 Notice to Proceed – May 2019	2016	2018
EE	Hobart St SE (Martin Co.)	13	Notified Owners – October 2012 Private Road	2016	AEO
FF	Rolling Hills	51	Notified Owners – January 2013 Private HOA	2017	AEO
FF	Gardiner Lane	2	Notified Owners – July 2013 Design/Permit - February 2019 Construction began – April 2019	2017	2019
FF	North A1A	3	Postponed-Town activities in area	2012	AEO
GG	815 S US 1 (Yum Yum Tree)	9 ecs	Notified Owner – November 2014	2016	AEO
GG	Rockinghorse <i>(north of Roebuck Road)</i>	10	Notified Owners – January 2013	2018	AEO
GG	Island Country Estates	47	Notified Owners – January 2013 Private HOA-Received Easement – Feb. 2018 Notice of Intent – July 2018 Engineering Award – September 2018	2018	2019
HH	Harbor Rd. S. LPSS	6	Notified Owners – January 2014 Private Road	2017	AEO
HH	SE Indian Hills	12	Notified Owners – January 2016 Easement for Road & Utilities, No Dedication	2019	AEO
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	2020

			Working with Jupiter to obtain easement		
--	--	--	---	--	--

* Rank based upon "2010 Septic System Inventory & Assessment"
TBD = To be determined AEO = As easements are obtained

TIMOTHY W. GASKILL*

*Business, Probate
Family Litigation*

DONALD R. SMITH +*

*Personal Injury & Wrongful Death
And Civil, Business & Real Estate
Litigation*

CURTIS L. SHENKMAN

*Board Certified
Real Estate Attorney*

BROOKE GROGAN*

Personal Injury & Litigation

BRANDON D. SMITH

Personal Injury & Litigation

+ *Member of the Florida Justice Assoc.
and the Palm Beach Co. Justice Assoc.

*Members of the U. S. Federal Court -
Southern District, Florida

SMITH, GASKILL & SHENKMAN, P.A.

ATTORNEYS & COUNSELORS AT LAW

ESTABLISHED 1973

11891 U.S. HIGHWAY ONE, SUITE 100

NORTH PALM BEACH, FLORIDA 33408

TELEPHONE (561) 622-2700 FACSIMILE (561) 622-2841

www.LawPalmBeach.com

LEGAL ASSISTANTS

CIVIL TRIAL, PROBATE AND FAMILY LAW

KAREN M. B. LOPATOSKY
Senior Litigation Paralegal
MINDY VASSER

PERSONAL

INJURY/COMMERCIAL

BETH KOENIG, PARALEGAL
KAREN M.B. LOPATOSKY
Senior Litigation Paralegal

REAL ESTATE

JUDY D. MONTEIRO
DENISE B. PAOLUCCI
MELISSA KAJEEJIT

May 8, 2019

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

RE: PENDING LITIGATION STATUS REPORT

Dear Dr. Arrington and Board Members:

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

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

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

Respectfully submitted,

CURTIS L. SHENKMAN

CURTIS L. SHENKMAN

Attachments

cc: Timothy W. Gaskill, Esquire
Karen Boyden, paralegal

OTHER LITIGATION

ACTION: In Re Estate of Israel Marquez et al ...Loxahatchee River Envir Control District
Owner: Estate of Israel Marquez **Property:** 911 Hawie St.
Case No. 50-2010-CP-004006XXXXSBIY

TYPE OF ACTION: Mortgage Foreclosure by Lender, LRD named for its (possible) lien interest –

COMMENCEMENT: Service of Summons/Petition

COMMENTS: Action foreclosing mortgage– LRD named for lien interest

STATUS: Pending

11/24/14	District served with Petition re Homestead and Real Property as Estate Asset; Filed Answer and Affirmative Defenses; Hearing to be held
12/10/14-1/6/15	No change in status
2/3/15	No change in status
3/6/15-5/11/15	No change in status; monitoring probate action; monitoring for activity;
6/8/15-7/9/15	No change in status
8/7/15 – 10/12/15	No change in status, continuing to monitor probate
11/10/15	There is a pending Motion to sell real estate set for hearing in December, continue to monitor
12/7/15	No change in status
1/18/16 – 7/7/16	Last Activity in Court Docket 12/17/14 requiring a paternity test; continue to monitor ; No change in status
8/8/16 – 10/13/16	No change in status
11/9/16-12/14/16	No change in status –probate proceedings continuing
1/10/17 – 9/20/17	No change in status – Probate proceedings continuing –no activity since 11/15/16 on docket
10/6/17-12/6/17	No change in status – Probate proceedings continuing –no activity since 11/15/16 on docket
1/8/18	No change in status - Probate proceedings continuing –no activity since 11/15/16 on docket
2/5/18	No change in status - Probate proceedings continuing –no activity since 11/15/16 on docket
3/5/18 – 4/2/18	Only new filings in March were Petition to determine Paternity and Petition to Sell Property and delay Tax Deed Sale
5/10/18	No change in status
6/10/18-7/10/18	Probate still ongoing; Hearing on Per. Rep’s Petition to Delay Tax Deed Sale scheduled for 7/12/18; no other change in status
8/7/18	Hearing on Sale of Property held and Order entered authorizing sale; to monitor re sale and estoppel for any outstanding charges to LRD

9/7/18- 1/18/19	No sale reflected in public records to date, continue to monitor; Order entered in Probate declaring property to be homestead property
1/19/19- 5/8/19	No change in status

LIEN FORECLOSURES

NONE

MORTGAGE OR LIEN FORECLOSURES / LRD COUNTERCLAIMS/CROSSCLAIMS

NONE



***Loxahatchee River Environmental Control District
Monthly Status Report
May 9, 2019***

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

The following is a summary of work performed by Mathews Consulting (MC), a Baxter and Woodman Company, on District projects for the monthly period ending May 9, 2019.

Alternate A1A 16-Inch Force Main Extension

The Contractor completed setup and installation of the segment of 16-inch HDPE force main, installed via the horizontal directional drilling method, south of the Alternate A1A Bridge. The Contractor completed the installation of the segment of 16-inch HDPE force main, installed via the open cut trench method, north of the Alternate A1A Bridge. Pressure testing of all installed segments of force main is approximately 50% complete. The installation of the segment of 16-inch HDPE force main, installed via the open cut trench method, south of the Alternate A1A Bridge has not been completed due to permitting delays. MC is in the process of coordinating with the U.S. Army Corps of Engineers to address potential impacts to mangrove plants on the south side of the bridge. MC is also coordinating with the Contractor based on potential project completion delays.

Master Lift Station No. 1 Rehabilitation

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

- Contractor completed installation of small and large yard piping.
- Contractor installed and completed conduit and cabling routing and terminations for new emergency generator unit.
- Contractor set/installed replacement dry-pit pumping units. Installation of final supports and piping connections in process.
- Contractor continued installation of process piping within dry-pit area.
- Contractor completed wet well clean-out.
- Contractor and District integrator in process of performing control systems modifications.
- System start-up and testing tentatively scheduled for the week of May 20, 2019.
- Contract Substantial Completion date is May 21, 2019.



Whispering Trails Gravity Sewer System

Below is a summary of the ongoing construction activities for the project:

- Contractor completed the installation of all Gravity Sewer Lateral Services west and north of Lift Station No. 180.
- Contractor completed the installation of Gravity Sewer Mainline Pipe Installation along Red Gum Trail.
- Contractor completed the installation of road base material along Wood Lake Road.
- Contractor completed the installation of Lift Station No. 180 FPL electrical service via the horizontal directional drilling method.

Jupiter Farms Elementary Sanitary Sewer System

Below is a summary of the ongoing activities for the project:

- Pre-construction meeting with MC, the District and Felix and Associates is scheduled for May 10, 2019.
- MC coordinated with PBC Land Development to extend the permit for the work along Indiantown Road. The permit extension was received on April 22, 2019.
- MC prepared project documents including permit sets for use by the Contractor. .

Respectfully Submitted by:

**MATHEWS CONSULTING,
A BAXTER & WOODMAN COMPANY**

A handwritten signature in blue ink, appearing to read 'J. Pugsley'.

Jason A. Pugsley, P.E.
Vice President / Florida Operations Manager



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

MEMORANDUM

To: Kris Dean, PE, Deputy Director/Director of Engineering, Loxahatchee River Environmental Control District

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

Date: May 9, 2019

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 May 9, 2019. **Note: Any information that is historical or repeated from previous months are shown in italics. Otherwise, all information as shown below is newly reported information.**

Imperial Woods Low Pressure Sewer System

- The preconstruction meeting for the project was held on May 2, 2019 at the District office. The Contractor's Notice to Proceed will be issued for May 13, 2019 with a substantial completion date of September 10, 2019 and final completion date of November 14, 2019. HCE has reviewed and approved the shop drawing submittals for the project. On May 7, 2019 HCE met with the Contractor and District staff to review the installation of root barrier at the entrance to the neighborhood. A public meeting with the homeowners is scheduled for May 13, 2019 at 6 pm.

Island Country Estates Low Pressure Sewer System

- *Comments on the 30% Submittal were received from LRD staff on April 1, 2019. We are currently working on the 90% design which will be submitted to LRD staff for review and comment on or before May 27, 2019.*

Loxahatchee River Road Reclaimed Water Main Replacement and Force Main Extension

- All final work with the exception of one reflective pavement marker has been completed by the Contractor. *HCE is currently working with Palm Beach County Engineering to close out the permit.*

Turtle Creek –Subsystem 2& 3 – Gravity Sewers

- It is our understanding a settlement agreement has been reached between the Turtle Creek Property Owners Association and the Contractor. Upon direction from District staff, HCE will close out the project and process any outstanding paperwork.



Lift Station No. 082 Master Plan and Improvements

- *Installation of the pressure recorders and drawdown tests needed for the calibration of the model have been completed. Upon receipt of the data from LRD, HCE will calibrate and complete the model. Upon completion of the calibration of the model, the selected scenarios will be inputted for analysis. Upon completion of the model the design for the new pumps and improvements can proceed. The survey work for the lift station site has been completed.*

MEMORANDUM

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

COPY: Kris Dean / Loxahatchee River District
Tony Campbell / Loxahatchee River District

FROM: Albert Muniz / Hazen and Sawyer

DATE: May 9, 2019

FILE: 42009-029.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through April 30, 2019

The following is a summary of work performed by Hazen and Sawyer (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.

- Hazen will be submitting task orders for an odor control study and an evaluation for upgrades to the return activated sludge (RAS) system. A Green Gas Emissions scope is also being developed for review by LRD staff.
- Hazen is routinely communicating with LRD staff to discuss plant operations

Deep Bed Sand Filters – Final Design and Construction Management Services –The following provides a summary of tasks that have occurred during the above reporting period:

- The final project close-out change order and pay application have been prepared and submitted by the Contractor. Warranty and release of lien submittals from the Contractor are outstanding. Hazen is continuing to request data from contractor. The final change order and pay application can be executed upon submittal of these documents by the Contractor.
- The filter sampling program to determine the effectiveness of removal of contaminants of emerging concern (CECs) and cryptosporidium/giardia filter sampling program is ongoing and is currently in the final month of the nine-month sampling program. Following completion, the data will be analyzed with results presented in a draft report for review and discussion with LRD staff.

Injection Well Operating Permit Renewal – The renewal operating permit application for the Class I Injection Well was submitted to FDEP on April 1, 2019. The permit is under review. No comments have been received to date as of April 30, 2019.

BioWin™ Process Model Development and Training – Hazen has completed the DRAFT BioWin™ Technical Memorandum. The memorandum is being submitted in May for LRD review. Also completed in April was the 2-day BioWin™ modeling training workshop. The following operators attended the workshop:

- ✓ Nathan Jarvis
- ✓ Deveyand Dave
- ✓ Cory Headings
- ✓ Brandon Collins
- ✓ Tony Campbell

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.

Busch Wildlife Sanctuary

The 2nd Quarter Report will be presented at the
July 2019 Board Meeting.

Director's Report

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

J:\Board\Notebook\Directors Report

Loxahatchee River District

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



To: Governing Board
From: Kara Peterson, Director of Finance and Administration
Date: May 10, 2019
Subject: Monthly Financial Report

Cash and Investments

Balances as of April 30, 2019

Certificates of Deposit:

Institution	Original Term	Maturity	Rate	Book Value	Monthly Interest Earned	Market Value
Bank United	3 Months	06/11/19	2.43%	\$ 1,000,000	\$ 2,000	\$ 1,003,331
Bank United	10 Months	06/27/19	2.34%	1,500,000	2,925	1,523,821
US Bank	1 Year	07/30/19	2.45%	1,500,000	3,070	1,527,814
TD Bank	5 Years	09/22/19	2.09%	2,000,000	3,776	2,201,895
Bank United	18 Months	02/04/20	2.65%	1,000,000	2,041	1,006,040
Bank United	2 Years	04/02/20	2.46%	2,000,000	4,044	2,004,314
US Bank	18 Months	05/01/20	3.00%	1,507,875	3,761	1,529,237
Bank United	18 Months	06/07/20	2.88%	1,500,000	3,583	1,517,121
US Bank	2 Years	01/29/21	2.71%	1,011,450	2,338	1,018,224
Bank United	2 Years	03/11/21	2.60%	1,000,000	2,137	1,003,559
Subtotal				\$14,019,325	\$ 29,675	\$14,335,356

Money Market Accounts:

FL Community Bank - Public Demand	2.27%	\$ 22,346	\$ 12,105,817
TD Bank - NOW	2.38%	12,522	8,088,488
Subtotal		\$ 34,868	\$20,194,305

Checking Account:

SunTrust-Hybrid Business Account	0.50%	\$ 1,994	\$ 3,491,829
Subtotal		\$ 1,994	\$ 3,491,829

Total		\$ 66,537	\$38,021,490
--------------	--	------------------	---------------------

Average weighted rate of return on investments is: 2.23%

As of 4/30/19:

3 month Short Term Bond: 2.43%

1 month Federal Fund Rate: 2.50%

Cash position for April 2018 was \$30,470,440. Current Cash position is **up** by \$7,551,050.

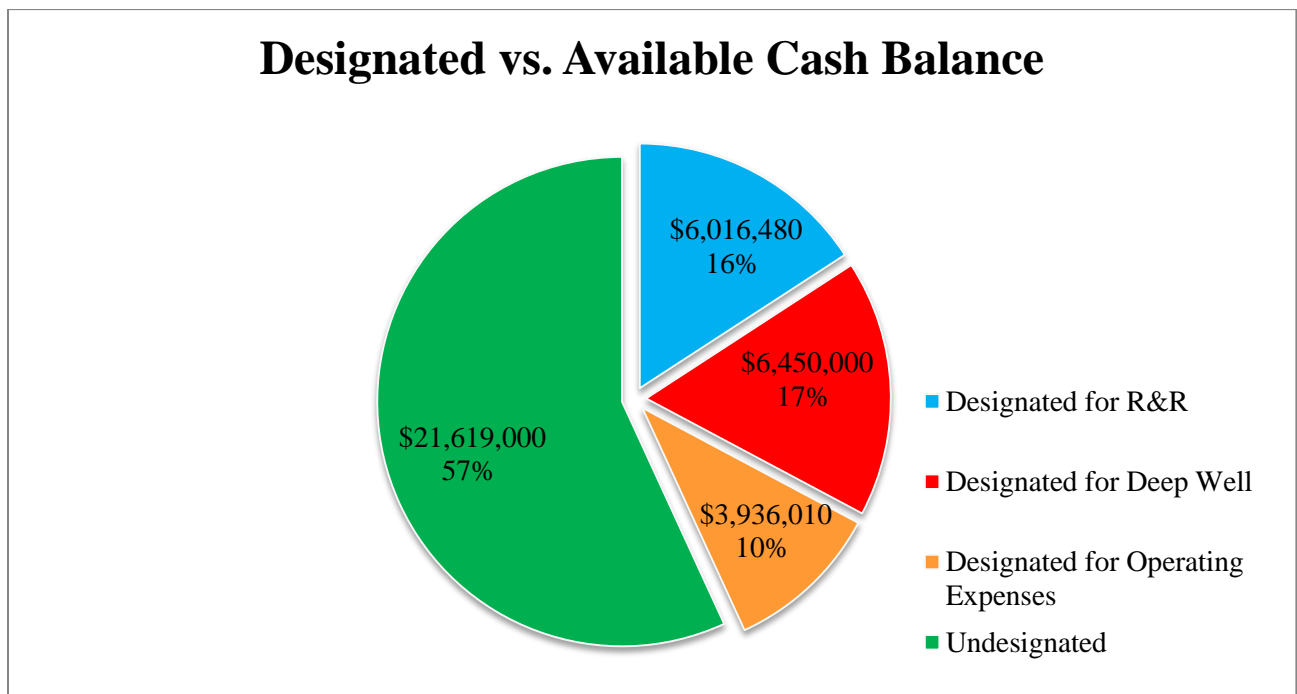
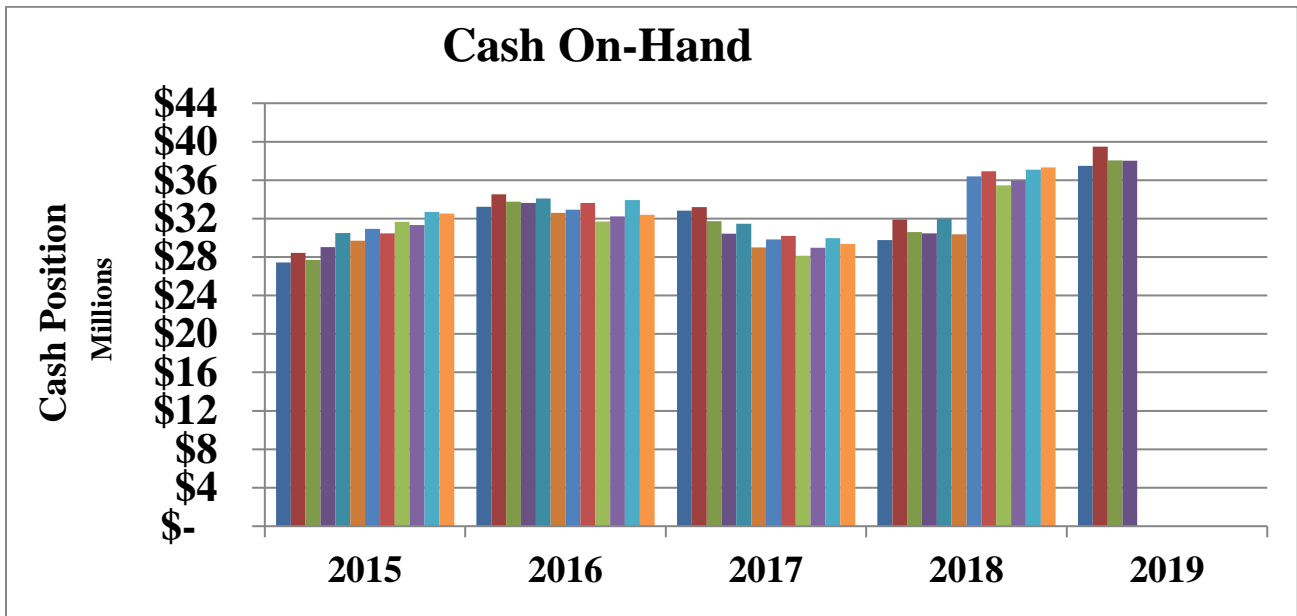
Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member



Financial Information

- Legal fees billed for the month of April totaled \$19,080. The fiscal year-to-date total is \$59,730.
- Septage billing for the month of April totaled \$236. The fiscal year-to-date total is \$236.
- Developer's Agreement – No new Developer agreements were entered into in April.
- I.Q. Water Agreements – Abacoa Plaza is past due for February, March; and April.
- Estoppel fees collected in April totaled \$8,850. The fiscal year-to-date total is \$51,125.

Summary of Budget vs. Actual

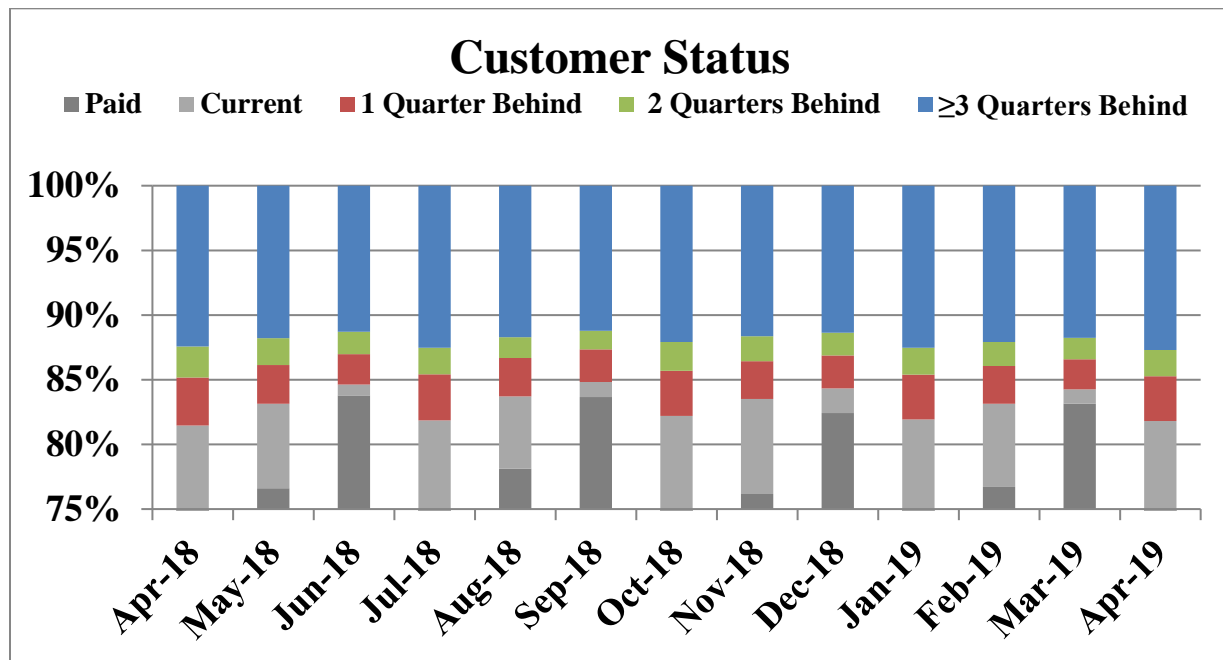
<i>Budget Benchmark</i> 58.00%	Apr-19 Actual	YTD Actual	FY 19 Budget	Favorable (Unfavorable)	Budget Expended	Apr-18 YTD
Revenues						
Operating Revenues						
Regional Sewer Service	\$1,406,279	\$9,771,469	\$ 17,067,530	\$ (7,296,061)	57.25%	\$8,355,410
Standby Sewer Service	8,417	57,267	157,550	(100,283)	36.35%	70,033
IQ Water Charges	196,205	1,380,756	2,264,000	(883,244)	60.99%	1,153,973
Admin. and Engineering Fees	2,652	33,473	48,865	(15,392)	68.50%	62,335
Other Revenue	59,638	255,100	183,000	72,100	139.40%	223,764
Subtotal Operating Revenues	1,673,191	11,498,065	19,720,945	(8,222,880)	58.30%	9,865,515
Capital Revenues						
Assessments	211,995	1,060,975	824,000	236,975	128.76%	78,378
Line Charges	12,626	162,699	232,575	(69,876)	69.96%	349,892
Plant Charges	42,560	342,980	1,402,600	(1,059,620)	24.45%	925,084
Capital Contributions			917,000	(917,000)	0.00%	467,434
Subtotal Capital Revenues	267,181	1,566,654	3,376,175	(1,809,521)	46.40%	1,820,788
Other Revenues						
Grants	1,294	24,241		24,241	100.00%	9,300
Interest Income	98,866	1,026,877	1,217,500	(190,623)	84.34%	177,565
Subtotal Other Revenues	100,160	1,051,118	1,217,500	(166,382)	86.33%	186,865
Total Revenues	\$ 2,040,532	\$ 14,115,837	\$ 24,314,620	\$ (10,198,783)	58.05%	\$ 11,873,168
Expenses						
Salaries and Wages	\$397,150	\$2,847,819	\$ 5,687,700	\$ 2,839,881	50.07%	\$2,363,075
Payroll Taxes	30,216	212,823	416,500	203,677	51.10%	177,027
Retirement Contributions	55,291	417,372	710,900	293,528	58.71%	372,222
Employee Health Insurance	79,410	623,478	1,339,800	716,322	46.54%	576,634
Workers Compensation Insurance	7,960	55,723	114,600	58,877	48.62%	39,410
General Insurance	26,084	202,223	346,716	144,493	58.33%	185,486
Supplies and Expenses	110,285	537,769	1,138,160	600,391	47.25%	461,357
Utilities	113,882	749,327	1,409,350	660,023	53.17%	610,669
Chemicals	13,723	324,254	672,570	348,316	48.21%	311,423
Repairs and Maintenance	255,388	1,147,353	1,830,615	683,262	62.68%	765,612
Outside Services	147,513	1,024,741	1,852,110	827,369	55.33%	862,150
Contingency			225,000	225,000	0.00%	
Subtotal Operating Expenses	1,236,902	8,142,882	15,744,021	7,601,139	51.72%	6,725,065
Capital						
Capital Improvements	672,046	3,296,374	11,088,500	7,792,126	29.73%	2,635,773
Renewal and Replacement	368,500	2,204,599	7,278,500	5,073,901	30.29%	1,412,630
Contingency			225,000	225,000	0.00%	40,495
Subtotal Capital	1,040,546	5,500,973	18,592,000	13,091,027	29.59%	4,088,898
Total Expenses	\$ 2,277,448	\$ 13,643,855	\$ 34,336,021	\$ 20,692,166	39.74%	\$ 10,813,963
Excess Revenues						
Over (Under) Expenses	\$ (236,916)	\$ 471,982	\$ (10,021,401)	\$ 10,493,383		\$ 1,059,205

Pending/Threatened Litigation

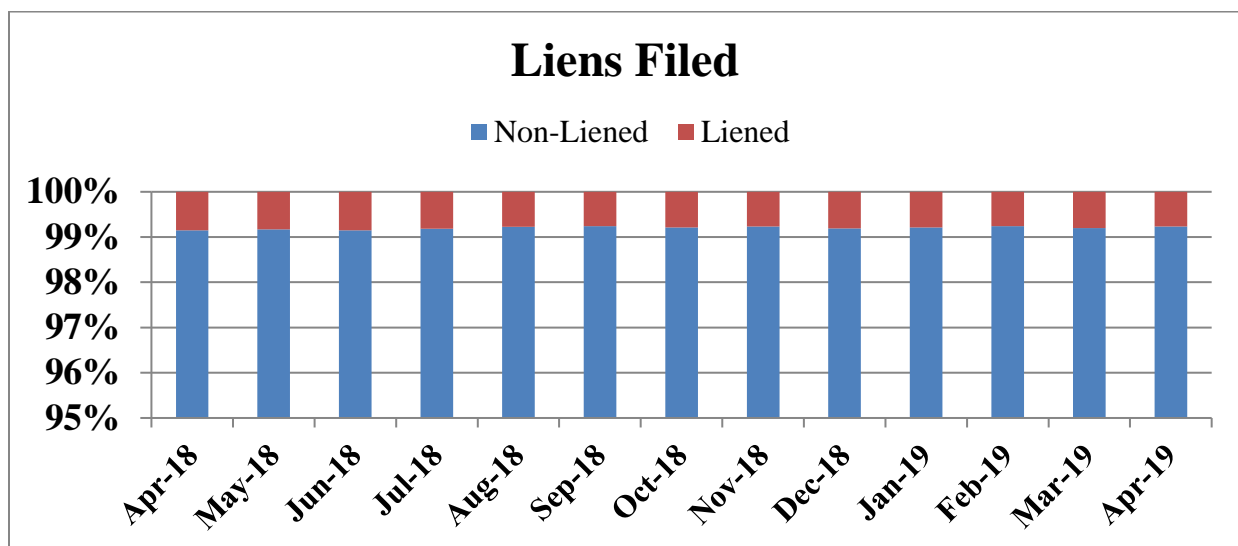
- Turtle Creek Substation 2 & 3 – We believe this claim has been settled and are waiting for a final executed settlement agreement.

Accounts Receivable

The chart below illustrates customers' receivable status as a percentage of quarterly sewer billing. Paid or current balances represent approximately 82% billing.



The District serves approximately 32,000 customers. Currently, the District has 248 liens filed which represent approximately 1% of our customers.



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: Kris Dean, P.E.
Deputy Executive Director/Director of Engineering Services

DATE: May 9, 2019

SUBJECT: Engineering Services Report - April 2019 Board Meeting

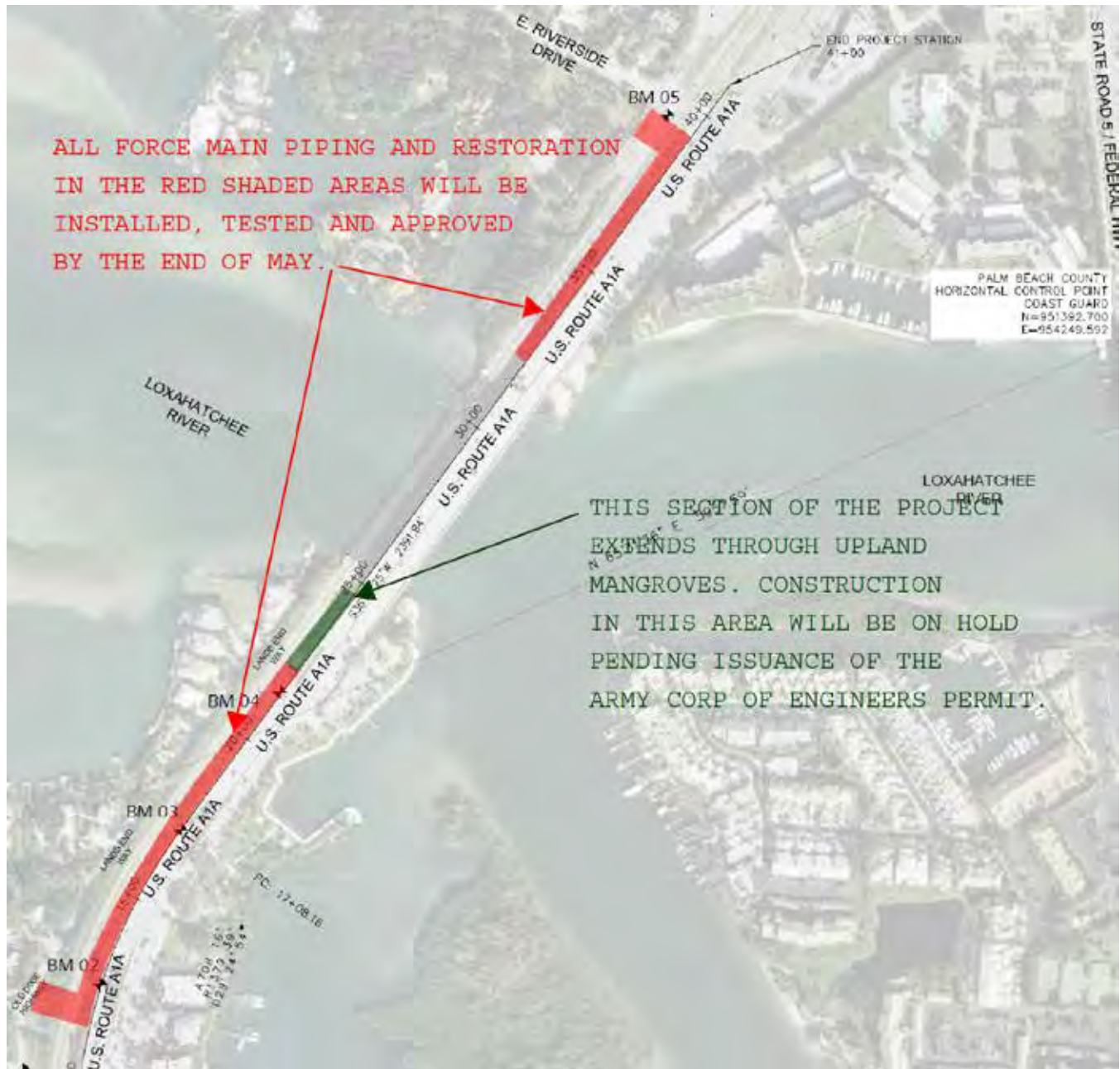
PROJECT HIGHLIGHTS

Jupiter Ocean Racquet Club Force Main Replacement

Over the month of April the contractor successfully installed the five directional bores on the project. The directional bores used a DC current wire line tracking system to ensure the most accurate location information available. The results, shown left, are printed from an electronic data file and depict horizontal and vertical locations for the bore every 10 linear feet. This electronic location file will be referenced to the State Plan Coordinate system for horizontal control and the NGVD29 Vertical Datum for vertical control and incorporated into our GIS system for future reference.

Alternate A1A 16 Inch Force Main Extension

During the design it was understood that the FDEP had exempted the project from regulatory review due to its location on uplands. This was based on some level of confusion as the project does exist upland of the high mean water line; however, while upland of the high mean water line, it does go through upland mangroves in a low lying area on the west side of Alternate A1A/Damon Bridge. For the upland mangroves is this area FDEP has now required we undergo Federal Review, a process that will begin on May 14, 2019 and complete on July 13, 2019. We are actively working with the contractor to coordinate a halt to work on the project and a scheduled remobilization after the permit is issued. The contractor currently plans to complete, including restoration, all areas of the project outside the upland mangroves, see map below. Then remobilize at a mutually agreed time after the permit is issued to install the portion through the upland mangroves.



ENGINEERING IN-HOUSE PROJECTS



Lift Station Fall Protection: After evaluating nets, hand rails and grates staff have agreed a retro-fitted safety grate is the preferred approach to providing fall protection at lift stations. Staff have modified the quarterly PM inspection at all 222 lift stations to include verifying whether a safety grate is installed and if not, measuring the opening to determine the appropriate size grates. The intent moving forward is to collect data on our system, then bid and award a contract to have the fall protection installed at all lift stations.

Lift Station Rehabilitations General Construction Services: Staff are waiting on pricing under the newly awarded contract on three of the stations and are working on revisions on a fourth station before forwarding for pricing. We hope to have these underway by the end of May and completed FY19.

Cellular Telemetry: IT and Engineering staff are working on a project to test cellular telemetry installation at existing stations with no telemetry. The third alternate option is online and staff will begin working on the procurement process once the viability of the options is determined. It is anticipated that we will select up to three suppliers to source telemetry units through a competitive bid process.

181st Street Gravity Sewer System: This project will serve 11 lots located just off Limestone Creek Rd. The new system will tie into an existing gravity system in Limestone Creek Rd. Design is complete. Permits have been issued. The project will advertise for bidding this month and should be before the Board for award in July.

New Palm Beach Heights Low Pressure Sewer System: This project will serve 36 lots located just off US 1 south of Donald Ross Rd. The new system will tie into an existing gravity system serving the commercial property to the north. This project was awarded at the April Board Meeting. Staff anticipate construction beginning by July 2019.

Olympus Drive Force Main Replacement: This project is part of our asbestos cement (AC) force main replacement program and will replace approximately 2,000 feet of AC force main in Juno Beach. Soft digs were completed but results were not conclusive. Staff are investigating further with GPR and potholing as required. This project has been significantly delayed from the original schedule but the importance of the utility locates given the nature of the proposed directional bore installation warrants the delay.

LS 43 Emergency Generator: A project to provide a permanent emergency standby generator at LS 43. This station is part of the cascading lift station system along Country Club Drive in Tequesta. This project bid on May 7, 2019. The bids are being evaluated, but the apparent low bidder came in under budget, and will not require Board approval. See Tab 5A.

LS 62 Emergency Generator: A project to provide a permanent emergency standby generator at LS 62. This station is a significant repump station serving areas Tequesta and Jupiter Island. This project bid on May 7, 2019. The bids are being evaluated, but the apparent low bidder came in under budget, and will not require Board approval. See Tab 5B.

Lift Station 57 and 58 Tie-in to Transmission System: Both cascading stations will be connected to an adjacent transmission force main relieving significant flow to the repump station. Staff are coordinating with the design engineer for final revisions. Construction has been pushed to August 2019.

LS065: Lateral lining following the main lining performed in summer 2018 is scheduled for this year. The lateral

liner contractor has mobilized and is 90% complete. In March 2019 we awarded the Penn Park Lateral Lining project to this contractor and the current schedule has him mobilizing into Penn Park upon completion of LS065.

Lift Station 70 Emergency Generator and Power/Control Panel: This project provides a permanent emergency generator at lift station 70 and a new power and control panel including variable speed pump drives. In an effort to expedite the panel and complete this work with the emergency generator, staff included the panel as a design/build specification, with specific component and performance requirements, in the emergency standby generator project. Staff are preparing to begin bypass of the station on May 13, 2019 and turn the station over to the contractor to begin demolition of existing panel and concrete followed by installation of the new panel, generator, ATS and all appurtenances.

Radio Telemetry System: The work is underway and should complete by June 2019.

Penn Park Lateral Lining: A PBC neighborhood repaving project. Paving has been postponed to allow the District to inspect their gravity system and perform any improvements prior to paving. This project was awarded at the March Board Meeting and the contractor, currently working in LS065's collection system, plans to mobilize to Penn Park by June.

Master Lift Station No. 1 Rehabilitation: Construction is quickly nearing completion

CONSTRUCTION DEPARTMENT



While Abacoa's master reclaimed water pump station IQ518's hydro-pneumatic tank was out-of-service to receive coatings. Construction staff took the opportunity to replace to butterfly valves original to the tank installation in 1996.

COLLECTIONS/REUSE



Abacoa's master reclaimed water pump Station IQ518 received a renewal/rehabilitation of the existing 4,100 gallon hydro-pneumatic tank. Staff coordinated with a specialized coating vendor for application and a certified coatings representative for surface prep and application inspection.



IQ518 also received preventative maintenance on the three strainers under the supervision of a manufacturer's representative.

SANITARY SEWER OVERFLOWS

There were 3 sanitary sewer overflows in the collection/transmission system for the month of April.

104 Eganfuskee is on one of the original low-pressure sewer systems installed by the District in 1985. These systems, unlike our current low pressure, are installed at the road right of way and serve two homes each. This leak appears to have been caused by a vehicle driving in the yard and over the e-tap box installed at the station. We currently intend to phase all these systems out as re-development along Eganfuskee occurs.

The Master Lift Station bypass experienced an overflow this month when some instrumentation piping failed in the middle of the night. The contractor corrected the issue and cleaned up the spill. He also removed the instrumentation piping from the primary bypass pump and the back-up pump to ensure a similar failure did not recur.

LS036 in Jonathan's Landing had a transformer failure that lead to an overflow. There were multiple contributing issues to the cause of the spill. On a previous visit we replaced a transformer. We disconnected the battery backup alarm when replacing the transformer and apparently failed to reconnect the battery backup alarm when we left. The spill was caused when the second transformer failed. With the control circuit dead from the failed transformer, the only available alarm was the battery back up which had been disconnected. After the station was placed back online and the spill cleaned up, further analysis showed the panel penetration for the alarm light was leaking. This leak is the probable cause of both transformer failures. Staff are working on a physical check list of critical items to check prior to leaving a lift station, both alarms being operational will be on the list.

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: Albrey Arrington, Ph.D., Executive Director

FROM: Tony Campbell, Director of Operations

DATE: May 6, 2019

SUBJECT: Operations Department Monthly – Report for April 2019

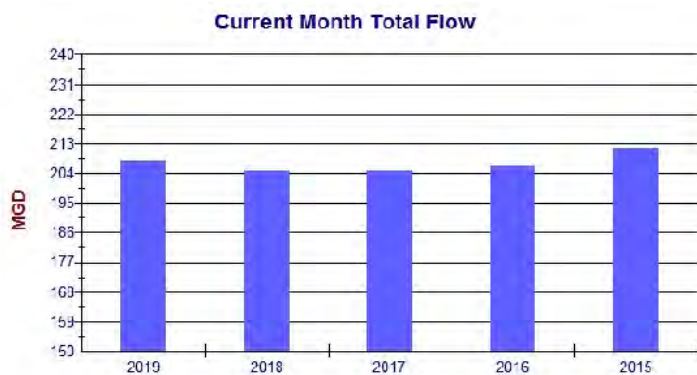
Treatment Plant Division

Values:

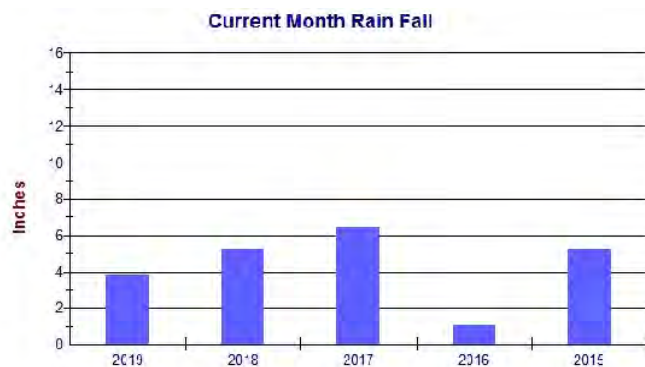
This past month the Operations and IT department attended an excellent 2-day training held by Hazen and Sawyers top wastewater treatment process engineers. During this training our operators discussed the past years process trends and treatment efficiencies. We had the chance to discuss our strengths and weaknesses in our process control, along with diving into our historical data showing us areas of needed improvement. Immediately following the training, Operators sharpened their pencils and used both our recent training and process data trends to improve our key Performance Indicators that drive our treatment process. Albrey and Operations both have high expectations on the level of treatment for this coming year and are eager to see the benefits of our recent process improvements. This is an excellent example of multiple Departments and our consulting Engineers demonstrating our District Core Values, **Innovation, Lean and collaboration.**



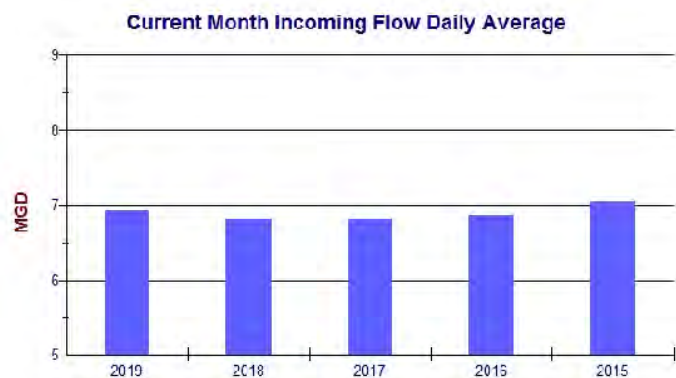
We've had another great month of no permit exceedances.



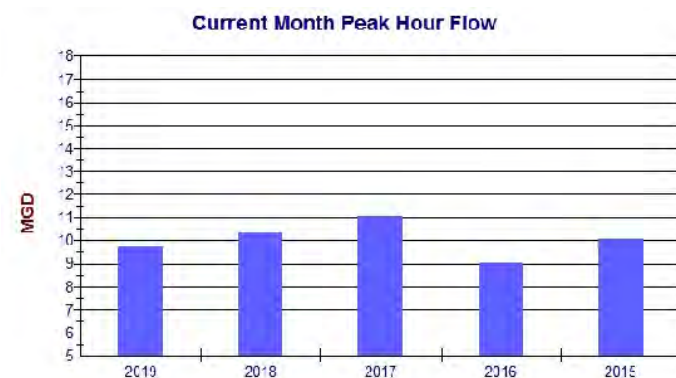
The plant total flow for the month of April was 210.93 million gallons.



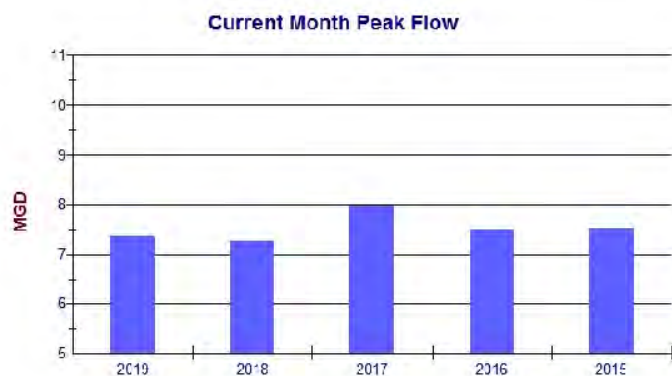
3.82 inches of rainfall was recorded at the plant site during the month of April.



The treatment plant incoming flow for the month of April averaged 6.93 MGD compared to 6.83 MGD one year ago, for the same month.

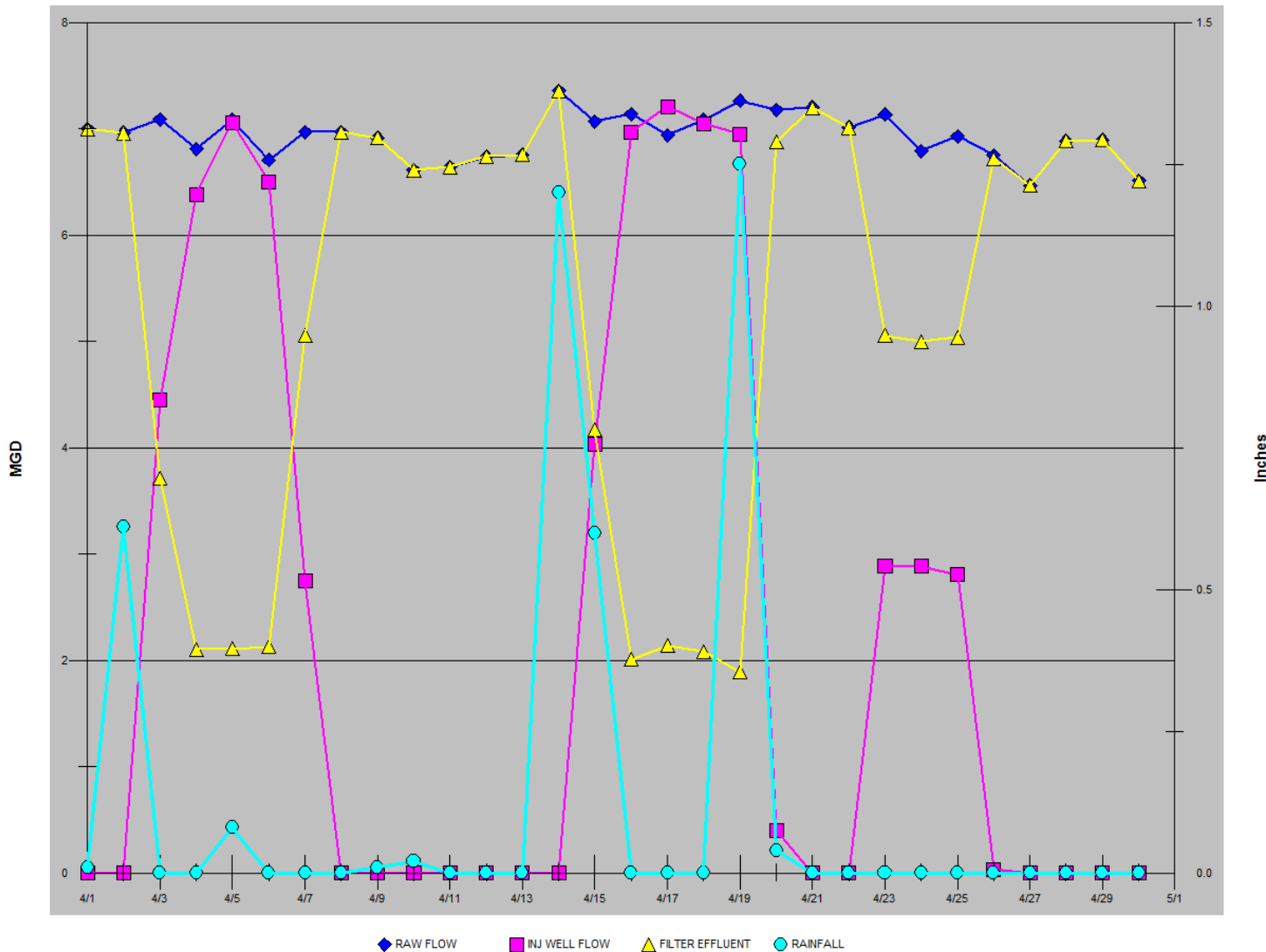


The peak hourly flow rate in April was 9.69 MG.



The greatest single day average flow in April was 7.36 MGD.

For the month of April, the plant received 207.93 MG of influent flow of which 159.07 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 3.82 inches of rain during the month and 68.37 million gallons of blended effluent was diverted to the Injection Well. Overall, 76.50% of incoming flows were recycled for IQ use and the plant delivered 164.69 million gallons of IQ water to the Reuse customers.



Year to date, the plant recycled 68.86% of all incoming flow and the total amount of IQ water delivered to reuse customers stands at 596.12 million gallons.

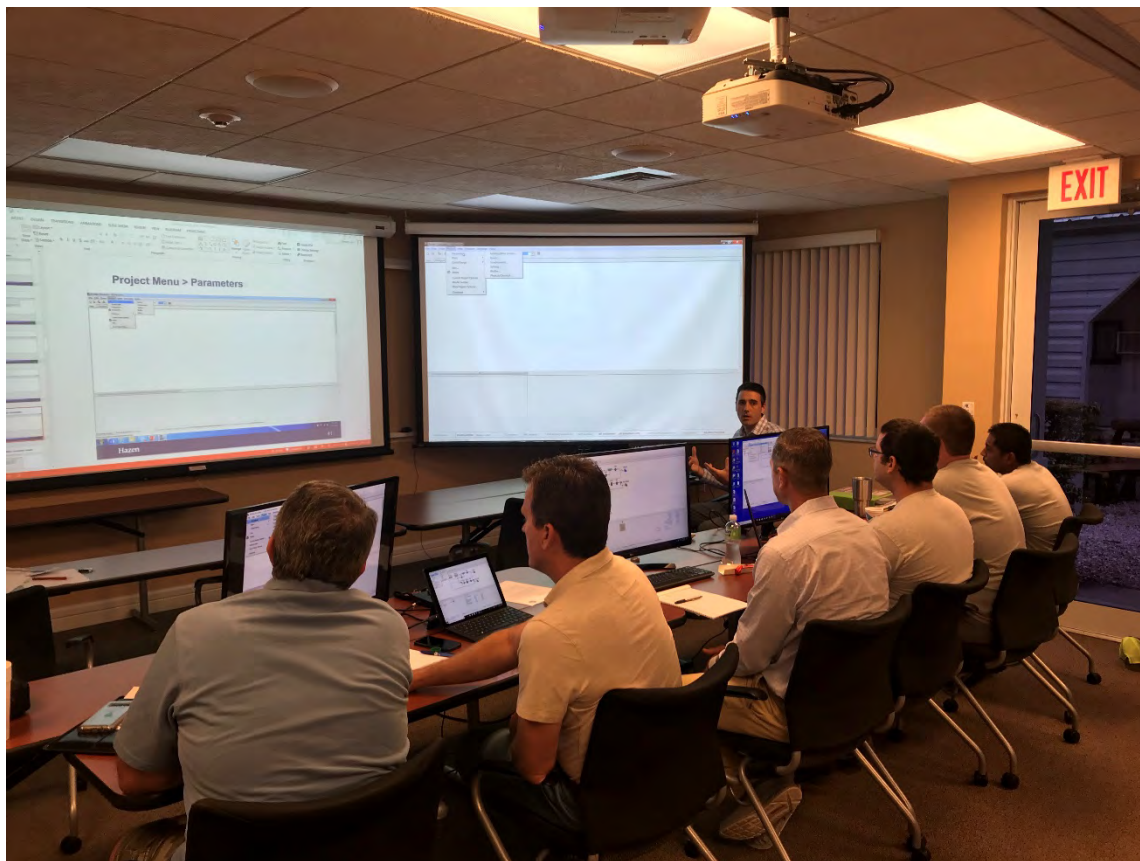
All monthly reporting has been submitted on time.

Sanitary Sewer Overflows

A minor wastewater spill (≤ 5 gallons) occurred while disassembling a transfer pump at our plant. The spill was caused by a combination of Operator error and bad judgment by not entirely evacuating the pump casing before disassembling discharge line at connection point. Operations has implemented a strict Standard Operating Procedure and ordered a portable containment area designed for stand-by pumps. This was a painful reminder to slow down and think before we act.

Treatment Plant:

A few months ago, our board approved the purchase for a plant modeling tool for the Operations Department. This model called Bio Win, will be used for training our operators and improving our treatment efficiency. The Below picture is of the Bio Win training that too place in April, this was a great opportunity for our Operators to have hands on training with this newly implemented program.



Process Improvements:

Operations uses many Key Performance Indicators as drivers to steer our treatment process. This month Operators has used their recent process training to use by adjusting one of their Key Performance Indicators to help steer our treatment process in a positive direction. The key driver changed was our Sludge Retention Time, this driver represents the average time our activated-sludge solids are in the system. By slightly adjusting this metric, operators were able to improve effluent coming off clarifiers, lower our Sludge Volume Index and increase clarifier settleability. Kudos to our Operations staff for analyzing our data, seeing an opportunity and then taking action, resulting in an improvement in our already excellent treatment process.

Maintenance Department:



Photos depict newly installed grating and ridged rubber gaskets on top of Headworks for sealing off odors that were escaping around gates and flumes. Currently a bio-scrubber is in place that serves the entire Headworks building, however these openings caused inefficiencies in the designed operation of scrubber. Operations has since noticed a reduction in odors around structure with this simple repair.

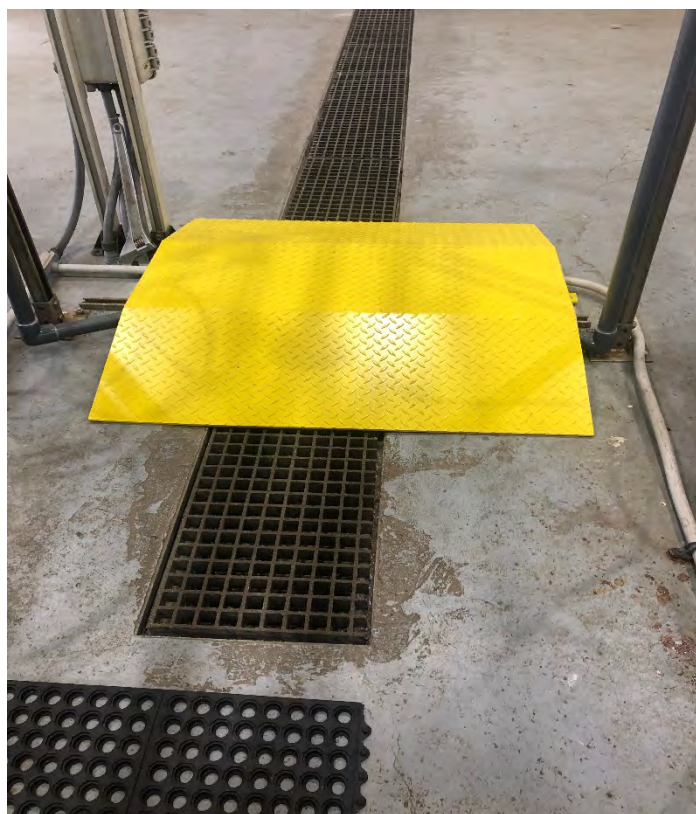


Photo to the left is a newly fabricated ramp to serve as both protection for our Chlorine lines and address an obvious trip hazard. Our Safety and Compliance Officer has worked with Maintenance department to ensure the District is not ignoring potential employee hazards and adding protection to our assets.

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: Albrey Arrington, Ph.D., Executive Director
FROM: Bud Howard, Director of Information Services
DATE: May 9, 2019
SUBJECT: Monthly Governing Board Update for April 2019

WildPine Ecological Laboratory

Riverkeeper Project

In April, District and Town of Jupiter staff collected water quality samples from 28 monitoring stations throughout the watershed.

Fecal coliform bacteria scored “Poor” at 2 of the 26 stations (8% in April compared to 19% in March) when scored to DEP’s threshold of 800 MPN/100 mL. The Jones Creek station (CALC), once again, had the highest concentration at 2,900 MPN/100 mL. Coincidentally, there was a high turbidity event in Jones Creek at our time of sampling.

Total Phosphorus (TP) concentrations in April were similar to last month with 20% (5 out of 25) of the stations exceeding the EPA/DEP’s Numeric Nutrient Criteria (NNC). Upper Jones Creek stations (75, CALC and TPJ) had the highest concentrations of TP again at 0.09-0.19 mg/L but was lower compared to the range in March (0.21-0.22 mg/L). Most of the other sites were “good” and met the NNC. The average for all stations in April was 0.05 mg/L, better than the March average of 0.07 mg/L for TP.

Chlorophyll (Chla) concentrations scored “Poor” at 18 of 28 (64%) Riverkeeper stations when compared to the stringent NNC for each river segment. All the Jones Creek stations sampled (n=7) had poor levels with the highest concentration of 26 ug/L at Toney Penna Footbridge (TPJ), which is five times higher than the NNC for that region. Caloosahatchee Culvert (CALC) was a close second at 25 ug/L Chla. The average for all stations in April was 8 ug/L, slightly worse than March’s average of 6 ug/L Chla.

Total Nitrogen (TN) was not an issue this month with all but one station meeting the NNC. Station 74 (Sims Creek) was over the NNC limit (1.54 mg/L for fresh water) at 1.7 mg/L. The average for all stations in April was 0.6 mg/L TN, a little bit better than March’s average of 0.7 mg/L.

Hydrologic Monitoring

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

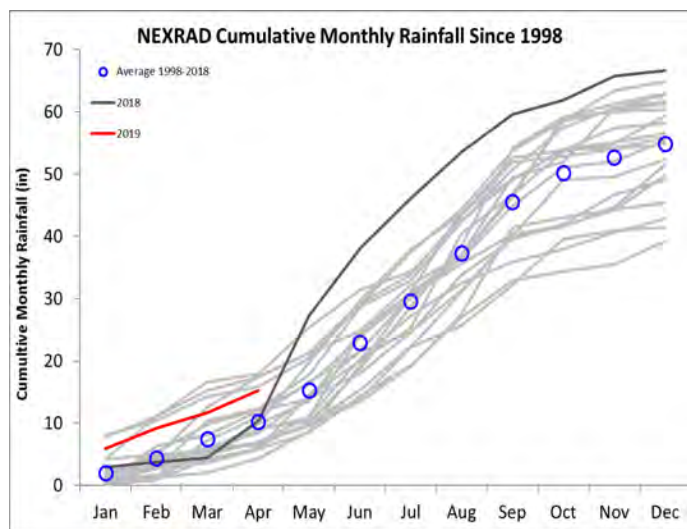
Harvey M. Silverman
Board Member

James D. Snyder
Board Member

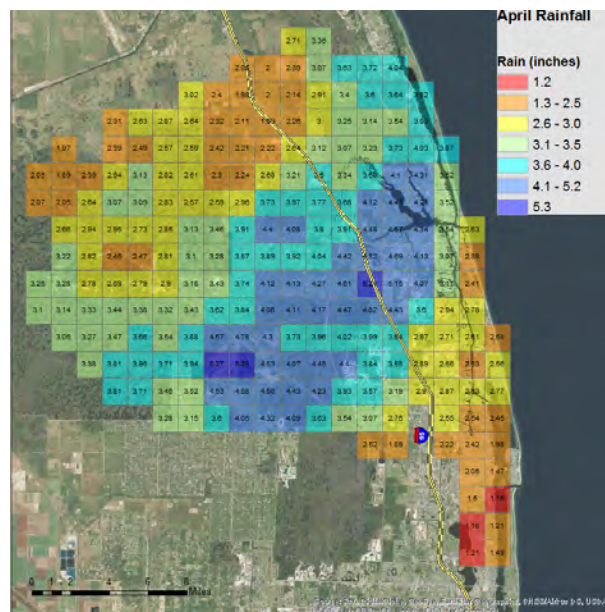
Total rainfall measured across the watershed in April was 3.6” which is slightly higher than the historical monthly average of 2.8” (since 1998). The highest single day rainfall total was 1.1” measured on April 14. It appears we have had an unusually wet ending to the dry season. Our year to date cumulative rainfall is 15.2”, 48% higher than the 10.3” typical through April.

April usually marks the end of the dry season and begins the shift in rainfall distribution from the coastal regions westward to more inland areas. Most of the rainfall experienced in April (5.3”) fell on the central regions including urban Jupiter and Jupiter Farms, Loxahatchee Slough, and Grassy Waters Preserve. Eastern areas along the intracoastal waterway, which throughout the dry season receive the highest rainfall, have experienced some of the driest conditions. Juno Beach was among the driest part of this region where only one inch or so of rain fell in April. Agricultural areas in the northwestern portion of the watershed also received relatively low rainfall in April.

Flows over Lainhart Dam ranged from 35 to 67 cfs and a mean flow of 44 cfs (SD \pm 8.2) for April. Lainhart flows have fallen ever so slightly below the 35 cfs Minimum Flow and Level (MFL) briefly between April 11 - 13 (34cfs) but not for more than 20 consecutive days, which would cause an MFL violation. Data from the SFMWD has shown no detectable flow from the S-46 flood water control structure or the G-160 or G-161 control structures. Our analytics tools show that the salinity criteria of the MFL was not violated as river flows throughout April were sufficient to keep salinity below the 2.0 MFL threshold. Mean salinity at River Mile 9.1 was 0.5 ppt (average of bottom and surface salinity) with the highest salinity measured on April 2 at 1.1 ppt.

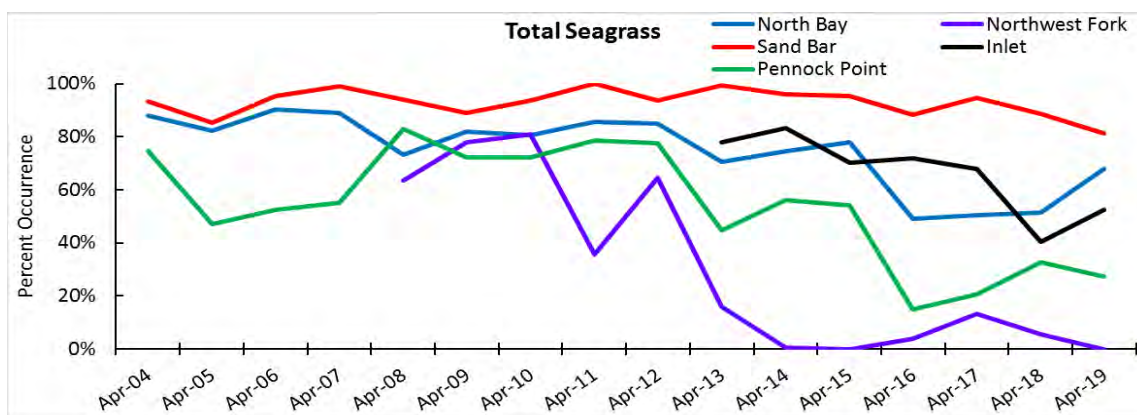


Cumulative annual rainfall using NEXRAD radar-based data. Red line indicates current 2019 cumulative rainfall total. Blue circles indicate mean cumulative rainfall since 1998. (2018 indicated as dark gray line).



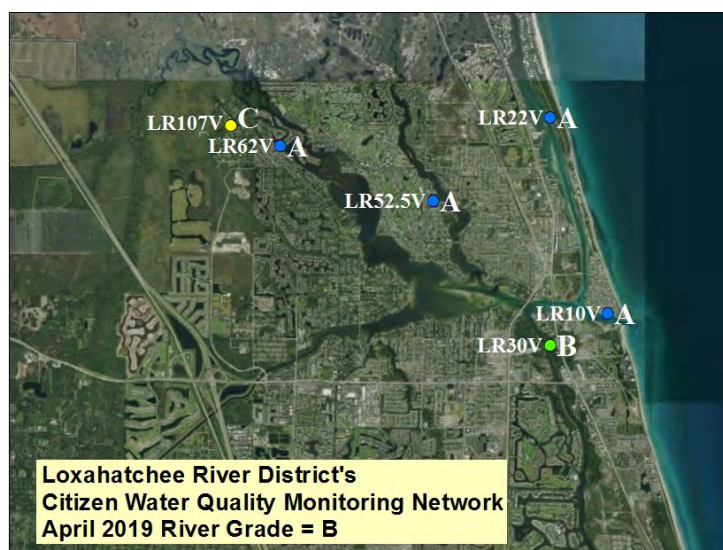
Rainfall distribution across the watershed using NEXRAD data. Each pixel represents an area of 2 km x 2 km. Blue colored pixels show highest rainfall and red pixels show lowest rainfall.

Lab staff completed seagrass monitoring in April. Overall, seagrasses in the estuary continue to decline with three of the five sample sites having a mean percent occurrence lower than last year (April 2018; figure below). The Northwest Fork site, which had been showing signs of recovery the last two years, was absent of any seagrass at our random sampling spots. The North Bay site and Inlet site both had higher mean percent occurrence over April 2018, though both continue to be below their respective historic average. The next scheduled monitoring is June.



Mean percent occurrence for total seagrass presence at each sample site. Data shown for the month of April beginning in 2004, the first April for which data was collected. North Bay, Sand Bar, and Pennock Point are the original sample sites while Northwest Fork and Inlet sites were subsequently added.

On May 1, the seagrass sampling frequency paper titled “Seasonal occurrence patterns of *Halodule wrightii*, *Syringodium filiforme*, and *Halophila johnsonii* across 14 years and 200 km of the Indian River Lagoon and Loxahatchee River Estuary, Florida” was submitted for peer-reviewed publication, culminating a huge effort by Jerry, Rachel and Albrey. The origins of this paper come from observations of monthly and bimonthly seagrass monitoring data that the Loxahatchee River District has been collecting since June of 2003. The findings of this paper is what guides our revised seagrass sampling frequency of three times per year. We are all very excited about this submission and look forward to the final publication in the peer-review scientific journal.



Volunteer Water Quality Monitoring Program

The weekly Volunteer Water Quality monitoring data for April scored a high “B”. The pH was unusually high at Station 107, which brought that site grade down to a “C”. The pH at Station 30 was, by contrast, lower than normal, which brought that site grade to a “B”. The salinity levels in the Northwest Fork Stations were elevated enough to earned “Fair” scores. All other scores were in the “Good” range.

April-19

Site	Temp (F)	Secchi	Salinity	pH	DO	DO%	Color	Vis	Salt	pH	DO	DO%	Color	Score	Grade
LR10V	77.5	2.9	34.3	8.3	6.7	99.3	1.0	Good	Good	Good	Good	Good	Good	97.9	A
LR22V	79.7	1.7	34.0	8.6			1.0	Good	Good	Good			Good	100.0	A
LR30V	81.2	1.3	33.3	7.5	6.1	92.9	1.0	Good	Good	Poor	Good	Good	Good	83.3	B
LR52.5V	76.1	0.8	30.0	8.0	5.3	74.7	1.0	Good	Good	Good	Good	Good	Good	91.9	A
LR62V	73.0	1.3	19.2	7.6	5.6	72.7	1.0	Good	Fair	Good	Good	Good	Good	91.3	A
LR107V	75.2	VAB	10.8	8.0	5.3	66.4	1.0	VAB	Fair	Poor	Good	Good	Good	70.0	C
Average	77.1													89.1	B

VAB (Visible at Bottom)
DO (Dissolved Oxygen)

scale: 0=poor 2=fair 4=good

Volunteer Water Quality Monitoring Summary Data

Intern News

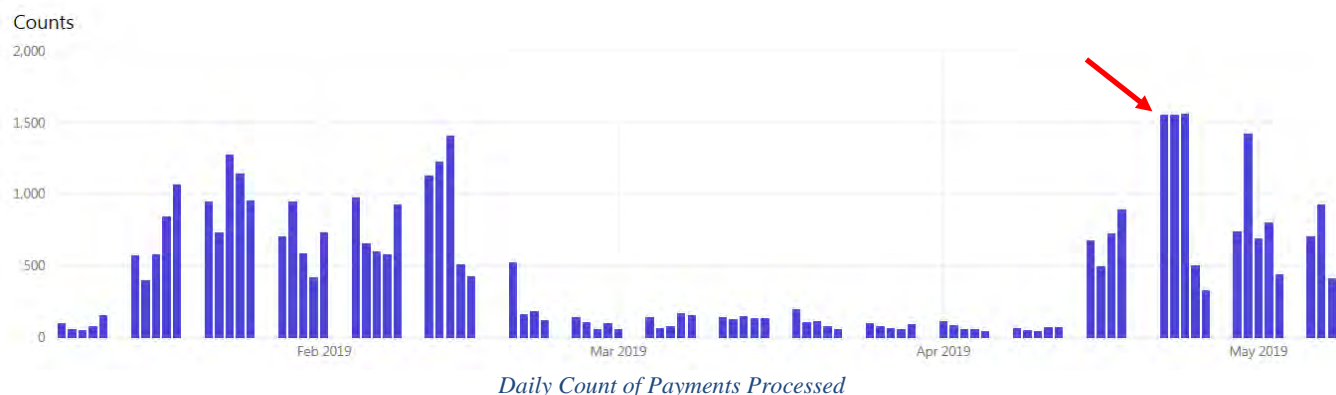
The lab's former intern, Samantha Iliff, received her undergraduate degree last week from Florida Atlantic University (FAU) Honors College in marine biology and mathematics. She has been accepted into a marine biology Ph.D. program at Michigan University starting in the fall. Prior to graduation, Sam received the University Scholar Award (pictured) for her excellence while she was an undergraduate student. Her future is bright, and we can't wait to find out what she does next!



Customer Service

Payment Processing

On April 11 we sent out the 2nd Quarter bills. Staff were busy processing 11,300 payments, totaling nearly \$1.7M from our quick paying customers. Slightly less than half (48%) of these payments came as paper checks. With an unusual flood of payments on April 23, 24, and 25 (figure below) our four Customer Service Staff members deserve a “shout out” for processing over 1,500 payments each day! The 2nd Quarter bills are due May 15.



Information Technology

Asset Condition Reporting

As part of our ongoing efforts to get valuable information back into the hands of our staff, we continue to develop tools for our users to easily access, evaluate and explore information stored in our various data management systems.

Another recent example is a request from staff to improve their ability to work with our asset condition monitoring information. As data on assets and equipment are collected by staff, we now provide interactive reporting tools that provide a host of summary data and drill-down tools to provide current overall status, comparisons over time, and lists of individual assets that match the search criteria.

These tools provide the beneficial feedback on information that is collected and stored, which can now facilitate the technician's prioritization, workload management and progress tracking.

CLASS	CATEGORY	RED	YELLOW	GREEN	UNKNOWN	TOTAL ITEMS	DATE RECORDED	DEPT
STRUCTURES	LIFT STATION	1	4	216	1	222	5/1/19	COLLECTIONS

Figure 1 - Condition of selected asset group

Class	Category	Red	Previous Month Red	Yellow	Previous Month Yellow	Green	Previous Month Green	Unknown Status	Previous Month Unknown	Total	Department	Red Change	Yellow Change	Green Change	Unknown Change
STRUCTURES	LIFT STATION	1	1	4	2	216	218	1	1	222	COLLECTIONS	0.00%	50.00%	-0.93%	0.00%

Figure 2 - Comparison of asset conditions month to month

MAIN DESC	SUB DESC	EQUIPMENT	DEPT	Last Updated	FINDING
LIFT STATION	STRUCTURES	LS003	COLLECTIONS	4/29/2019 10:24:58 AM	YELLOW
LIFT STATION	STRUCTURES	LS004	COLLECTIONS	4/2/2019 9:48:23 AM	YELLOW
LIFT STATION	STRUCTURES	LS088	COLLECTIONS	3/15/2019 1:15:41 PM	YELLOW
LIFT STATION	STRUCTURES	LP1205	COLLECTIONS	1/9/2019 7:03:10 AM	YELLOW
LIFT STATION	STRUCTURES	LS045	COLLECTIONS	10/10/2018 1:26:54 PM	YELLOW

Figure 3 – List of assets filtered by category and condition

Loxahatchee River Environmental Center

May 2019



River Center Summary Statistics

LRD'S ENVIRONMENTAL STEWARDSHIP DASHBOARD



	Total Visitors	School & Camp Visitors	RC Offsite Programs	RC Onsite Programs	RC Staff Guest Appearances	Program Cancellations	Volunteer Engagement	1st Time Visitors	Visitor Satisfaction	Staff Assessment	Environmental Stewardship	Expenses	Program Revenue
Benchmark / Customer Expectation	% of Target	% of Target	% of Target	% of Target	% of Target	% of programs	% of Target	% of Target	Rating Average	Rating Average	Positive Responses	% within budget	% of Target
Green Level	≥ 90%	≥ 90%	≥ 90%	≥ 90%	≥ 90%	< 5%	≥ 90%	≥ 90%	≥ 4	≥ 4	≥ 90%	≥ 85% but ≤ 105%	≥ 90%
Yellow	≥ 75%	≥ 75%	≥ 75%	≥ 75%	≥ 75%	< 10%	≥ 75%	≥ 75%	≥ 3	≥ 3	≥ 80%	≥ 80%	≥ 75%
Red	< 75%	< 75%	< 75%	< 75%	< 75%	> 10%	< 75%	< 75%	< 3	< 3	< 80%	< 80% or > 105%	< 75%
2017 Baseline	103%	103%	179%	127%	141%		118%	50%	4.8	4.0	87%	102%	114%
2018 Apr	89%	66%	227%	113%	480%	0%	205%	84%	5.0	4.1	90%	85%	87%
May	139%	81%	120%	282%	0%	8%	295%	54%	4.7	3.9	93%	93%	75%
June	100%	113%	181%	108%	0%	13%	99%	79%	4.2	4.0	88%	91%	49%
July	102%	90%	202%	114%	0%	0%	145%	78%	4.8	3.6	97%	83%	41%
Aug	106%	59%	157%	109%	0%	11%	79%	136%	5.0	3.9	99%	87%	86%
Sept	96%	95%	168%	144%	0%	24%	138%	163%	4.8	3.9	98%	91%	78%
Oct	120%	163%	120%	214%	160%	0%	150%	150%	4.6	4.6	87%	88%	102%
Nov	120%	157%	780%	206%	430%	42%	142%	45%	4.8	3.3	93%	82%	100%
Dec	131%	89%	130%	203%	0%	9%	122%	49%	4.5	4.2	83%	101%	160%
2019 Jan	105%	74%	450%	139%	70%	0%	281%	53%	4.5	4.2	83%	101%	160%
Feb	106%	142%	129%	92%	103%	9%	238%	88%	4.9	4.4	97%	93%	62%
Mar	119%	112%	268%	148%	203%	0%	119%	156%	4.8	4.5	91%	86%	73%
Apr	79%	75%	553%	77%	282%	33%	270%	99%	4.7	4.1	93%	89%	66%
Consecutive Months at Green	0	0	13	0	3	0	8	2	13	5	3	5	0
Metric Owner	O'Neill	Harris	Harris/Duggan	Harris/Duggan	Duggan	Harris	Harris	O'Neill	O'Neill	O'Neill	O'Neill	O'Neill	O'Neill

Metric	Explanation
Total Visitors	We had 4 school groups cancel for a total of 168 students that did not attend. Had they attended, we would have met our target for the month.
School / Camp Visitors	See above.
RC Onsite Programs	Lower than normal attendance at Girl Scout Workshop - no NOL this year.
Program Cancellations	See above regarding 4 school group cancellations
Program Revenues	Program Revenues are slow until we reach summer. Most of our programs offered this time of year are free programs.

River Center General

Staff reviewed 110 resumes for the Volunteer Coordinator position and interviewed three candidates. Shellie Kalmore was selected. She has accepted the position and will start work on May 13th.

Lecture Series – Who Made the Everglades

On May 3rd, the River Center welcomed Mallory Fenn from the Florida Public Archaeology Network for her presentation entitled “Who Made the Everglades.” This talk explored the geological and cultural history of the Everglades. In particular, it looked at the role of early Native Americans and initial tree island formations! Eighty three people attended this lecture.



Special Programs



Girl Scout Eco-Action Workshop: Naturalist

Thirty-one Junior and Cadette Girl Scouts visited the River Center for a special Girl Scout Naturalist Workshop on Saturday, April 6th. The girls earned their Legacy Tree and Flower badges after participating in various activities throughout the morning. The girls learned firsthand the inner

workings of trees and flowers through a

flower dissection and a hands-on tree building exercise. The girls also designed their own gardens, learned how plants help people and discussed important issues of land conservation and restoration. At the end of the workshop the Girl Scouts came together for a planting project in the River Center’s pollinator garden. The girls planted, weeded, mulched, and watered new plants to promote pollinators in our backyard, urban habitat. The River Center staff would like to thank all the partners and volunteers who participated in the workshop; especially the Society of Women Engineers for their continued support. A very special thank you to the Master Naturalist, Jupiter-Tequesta Garden Club, and Native Plant Society volunteers that guided, planned, donated plants, and offered support before, during, and after to make sure the new garden thrived.



St. Marks School Second Grade Going Green Spring Fling

The River Center participated in the Saint Marks School’s “Going Green” event on April 12th. Forty second grade students were divided into smaller groups and rotated through various stations teaching them different ways to take care of our environment. The River Center was able to bring our touch tanks and presented information about reducing water waste and keeping our waters clean. This event was a nice chance to reach out to the community at a local school and the opportunity to expose new students to the River Center.



Sandbar and Sea Shells Family Boat Tour

On April 13th the River Center partnered with Aqua Adventures to facilitate a Sandbar and Seashells Family Boat Tour. This tour provided the opportunity for seven guests to open the throttle and speed around the central embayment visiting sites like the Jupiter Inlet Lighthouse, Bird Island and the sandbar, and even the osprey nest with a newborn chick! Visitors got the opportunity to anchor up and explore the mangrove island with dip nets and snorkeling equipment. This was the perfect experience to get out on the water and enjoy the Loxahatchee River.

Naturalist Series: Nature Hike the Jupiter Inlet Lighthouse Outstanding Natural Area

On April 17th the River Center team facilitated a nature hike as part of our Naturalist Series. Twelve visitors and two staff took a trip through the Jupiter Inlet Lighthouse Outstanding Natural Area. This walk was in partnership between the River Center and the Bureau of Land Management (BLM). This 120-acre site was designated by Congress in 2008 for the preservation, protection and enhancement of seven key resources and values found on the site; these include the remarkable biodiversity and rich history of the site. The site is the only unit of the National Conservation Lands east of the Mississippi River, and the only unit managed by the BLM's Eastern States. *Photo: prickly pear cactus bloom.*



Homeschool Workshop: Oyster Reef Ecology Lab

On April 19th the River Center hosted another Homeschool Workshop. We had twenty-two students ranging from 5-11 years old participate in an Oyster Reef Ecology Lab. This activity included a habitat assessment using samples taken directly from the Loxahatchee River. Macro and microorganisms were discovered, identified, and classified using microscopes. Students got a firsthand look at the primary consumers of the food web in relation to fish nursery food supplies finding crabs, snails, shrimp, clams, and other invertebrates in the oyster bags. These are the same types that are used in oyster restoration projects in the Loxahatchee River, Indian River Lagoon, and Lake Worth Lagoon with much success.

Naturalist Series: Kayak Tour from Lainhart Dam

The River Center partnered with the South Florida Water Management District to host a kayak tour from Lainhart Dam. This is the first time we have been granted access directly from the dam. This allowed guests to paddle farther than we normally can go – all the way to Masten Dam and back. Winding through the fresh water swamp, guests were immersed in the beautiful and scenic parts of the Loxahatchee. We saw multiple large alligators, limpkins, osprey, and red shouldered hawks along our paddle. It was a magical day on the water and we had 10 guests participate in this event on Tuesday, April 23rd.



This

Homeschool Workshop: Plastics, Plastics Everywhere- Creating Solutions to our Plastic Pollution

The River Center held a homeschool workshop for students ages 5-11 focusing on marine debris, trash on the beach, and coming up with clever ways to help clean up our community and world. Students started out by working in teams to understand how trash gets swept into nature, into our waterways, and eventually in the ocean with a fun activity representing our local beaches. Students learned about ocean current and marine debris through an activity called "Ocean Currents and Plastic Voyagers." Afterwards students put their creativity to work drawing, writing stories about, designing, building, and testing solutions to pollution. They created hover machines, wind propelled garbage boats, deep-sea submersibles with magnets to collect trash, and a prison for trash. This program is in conjunction with the PURE Jupiter Campaign to educate our community about single-use plastics, marine debris, and what everyone can do to help with overall plastic reduction. The program took place on April 24th.



Great American Cleanup

On Saturday, April 27th the River Center participated in the Great American Cleanup at Coral Cove park with Keep Palm Beach County Beautiful. Over 48 volunteers came out to clean up trash and debris from the sandy beach and dunes of Coral Cove. We collected over 35 pounds of trash and recycling in just three hours. It was a great day for a cleanup and our volunteers were extremely successful in keeping Palm Beach County beautiful.

Outreach

Wild and Scenic Film Festival

River Center staff were once again invited to participate in the Jupiter Inlet Lighthouse and Museum's fifth annual Wild and Scenic Film Festival on April 12th and 13th,. This year the Lighthouse decided to host two nights of the festival, allowing for more participation and more films to be shown. A composition of short films was presented to a crowd of over three hundred like-minded environmental enthusiasts. The River Center was present to



distribute information about the center and our upcoming events. It was a beautiful night for a film festival at the Jupiter Inlet Lighthouse. Over 137 guests visited the River Center's booth over the two-night festival.



Earth Day Okeehetee Nature Center

The River Center participated in the Okeehetee Nature Center's Earth day Celebration. There were a variety of events throughout the day including educational presentations, hands-on science activities, a rehabilitated animal release, and fascinating woodworking demonstrations by the Palm Beach County Woodturners. It was a beautiful day in the park and the River Center had over 275 visitors to our booth on Saturday, April 13th.

Pratt & Whitney Earth Day

On Wednesday, April 17th the River Center participated in the Earth day Celebration at Pratt & Whitney. This event, held in the Café, brought out many different organizations promoting and celebrating the environment. It was great to be able to reach a different type of audience and to interact with people in different industries. It

was a unique and exciting outreach and the River Center looks forward to attending this event again in the future. Over 100 guests visited the River Center booth for this event.

Discover the Palm Beaches Speed Networking event

On Thursday, April 19th the River Center participated in Discover the Palm Beaches: Hotel and Attractions Speed Networking! This tradeshow event held at the Old Fieldhouse in Delrey Beach, aimed at hotel concierges and travel agencies to gather more information about local businesses and attractions throughout Palm Beach County. There was a large variety of people that attended the event and it was exciting to spread the word about the River Center to a diverse audience. Over 50 people visited the River Center's booth.



Volunteer of the Month – CJ McCartney

This month the River Center would like to acknowledge CJ McCartney as our Volunteer of the Month. CJ is a master gardener and member of the native plant society. CJ loves to be in nature and is passionate about nature photography. She helped us greatly this past month with re-envisioning our garden. She offered guidance and support for native plants and garden design. She donated plants from her personal garden and helped collect plants for us from other nurseries. She helped head the planting process at our girl scout workshop and put in countless hours to help make sure our garden is successful and healthy. On behalf of the River Center's staff, volunteers, and visitors we would like to extend our utmost appreciation for the efforts that CJ has shown and we look forward to her continued partnership in the near future.



Upcoming River Center Events

RSVP at www.lrdrivercenter.org/events-calendar

May 17, 9 am – 11 am: Wild & Scenic Kayak Tour: Join the River Center for our Public Kayak Tour to Riverbend Park on the anniversary of the Loxahatchee River's Wild and Scenic designation. Paddle along through Florida's first Wild and Scenic river on our naturalist led tour for great views of local wildlife and a cypress swamp. All equipment will be provided but interested participants should bring water shoes, sunscreen, and plenty of water! The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited!

May 18, 8 am – 4 pm: Boating Safely Class: The River Center continues to collaborate with the US Coast Guard Auxiliary "Flotilla 52" to provide a series of Boating Safely Classes targeted specifically to young boaters in our community. These classes are provided through a generous sponsorship by the AustinBlu Foundation, a not-for-profit dedicated to raising awareness and promoting educational programs to improve boater safety. There is no cost for this class, however a deposit is required to reserve a seat. The deposit of \$10 will be refunded in full to all students who complete the class. Recommended for children 12 years and up.

May 18, 5:30 pm – 8 pm: Full Moon Kayak Tour: Join the River Center for a full moon sunset kayak tour from Burt Reynolds Park. The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited!

June 1, 10 am – 12 pm: Lagoon Exploration: Join the River Center in a day of estuary exploration at our Family Seine and Dip Netting Experience at Blowing Rocks Preserve! Activities will include exploring our local waterways through dip netting and seining. Guests are welcome to bring their own buckets and dip nets. Please make sure to bring sunscreen, water shoes, and plenty of water!

June 7, 12 pm – 1 pm: Lecture – "Beyond Landscaping – Creating Wildlife Habitats for Birds and Butterflies": Join the River Center in welcoming CJ McCartney, Master Gardener, from the Native Plant Society. This talk will explore joy of native landscaping to attract wildlife to your yard. Planting beautiful, natural gardens to attract birds, butterflies and pollinators to our yards is not only fun, it's also making a huge difference to our neighborhoods and communities. One yard at a time, we can build wildlife corridors to replace natural habitat lost to development. This talk is about how to create wildlife gardens by planting the flowers, bushes and trees that will attract birds and butterflies to your yard while giving birds and butterflies a new home.

June 8, 9 am – 12 pm: Family Fishing Clinic: Don't miss out on this exciting fishing opportunity with the River Center. Fishing clinics are a great way for kids to learn the basics of fishing methods and tactics! Make sure to join us for an engaging overview that includes knot tying, fish identification, and of course fishing! Parents are encouraged to accompany their kids and participate in the clinic. The cost is \$10 per child. Interested participants should bring water, sun screen, a hat, and sunglasses.

June 11, 10 am – 12 pm: Sandbar & Sea Shells Boat Tour: Join the River Center for an exciting family-friendly boat tour! Hop on-board the Osprey for a trip up the Central embayment of the Loxahatchee River. Hunt for shells and creatures at the sandbar and soak up some sunshine! Make sure to bring water, snacks, water shoes, and snorkel gear! The boat will launch from Burt Reynold's Park. Registration is required to attend. Space is Limited!

June 15, 7 am – 3 pm: AustinBlu Land & Sea Fishing Tournament: Join the River Center and the AustinBlu Foundation for the annual AustinBlu Fishing tournament on Saturday, June 15th. This family-friendly tournament aims to support the education and outreach efforts of the foundation, which is dedicated to teaching people about the importance of safety on the water. This unique tournament will showcase not just one competition, but two! Anglers will have the option to compete in our Release Competition and/or the Harvest Competition. In the Release

Competition, anglers will receive points for the number/species of fish caught, photographed, and released. In the Harvest Competition, anglers will compete to catch the heaviest fish out of these 4 categories:

- Saltwater Catfish
- Crevalle Jack
- Snapper (any species)
- Checkered Puffer

Fishing will commence at 7:00 am and with lines out of the water at 3:00 p.m. Anglers will have until 4:00 pm to submit and weigh their catches. The tournament celebration will begin at 5:00 pm. Participants can enjoy food and beverages from local eateries Food Shack, Dune Dog and Kona Ice as well as partake in our various family-friendly activities such as arts & crafts, a bounce house and a campfire which are free to enjoy during the event. Winners will be announced at 7:00 p.m.

June 20, 1:30 pm – 3:30 pm: Kayak Tour: Join the River Center our public kayak tour to Coral Cove Park. Discover Jupiter's beautiful waterways on this naturalist led tour. Launching from of Coral Cove, guests will paddle through the beautiful blue waters of the Intracoastal. Don't miss out on this exciting kayaking excursion! Kayak Difficulty Level: Easy, all paddler levels welcome. All equipment will be provided but interested participants should bring water shoes, sunscreen, and plenty of water! The cost for this program is \$20 per person. Make sure to reserve your spot today! Space is limited!

June 21, 9 am – 11 am: Kayaking 101: Join the River Center for our Intro to Kayaking: Kayak 101 workshops! Participants in these workshops will learn basic kayak strokes, safety tips and how to be a proficient paddler on the water. This course will be conducted by a Level 2 Kayak instructor and all equipment will be provided. Registered participants need to bring water, water shoes, and comfortable clothing that can get wet. Registration is required to attend. Space is limited.

June 22, 8 am – 4 pm: Boating Safely Class: The River Center continues to collaborate with the US Coast Guard Auxiliary "Flotilla 52" to provide a series of Boating Safely Classes targeted specifically to young boaters in our community. These classes are provided through a generous sponsorship by the AustinBlu Foundation, a not-for-profit dedicated to raising awareness and promoting educational programs to improve boater safety. There is no cost for this class, however a deposit is required to reserve a seat. The deposit of \$10 will be refunded in full to all students who complete the class. Recommended for children 12 years and up.

June 29, 10 am – 11:30 am: Bloomin' in the Garden: Let's go explore! Join the River Center for our summer Bloomin' in the Garden program, designed for children ages 3-7. The program will start at 10:00 am in the River Center with a story time and a garden-themed craft. We will then move to our garden for a garden themed hands-on activity. When it's time to go home, children will receive a plant to take home to start their own garden! So, don't miss this exciting opportunity for your little ones to enjoy nature! Adults and children should come prepared and dress comfortable for being outside in the garden. All equipment will be provided, and this program is free of charge. Donations are always welcome. Please RSVP to attend!

June 30 – August 9: Jr. Angler Fishing Tournament: The Loxahatchee River District's River Center, in partnership with Fishing Headquarters, is delighted to announce the 6th Annual Jr. Angler Fishing Tournament. Due to its high popularity last year with over 50 anglers, participation for this year's tournament is expected to grow. Interested anglers should mark their calendars and set their reels for Sunday, June 30th when the contest officially opens. Registration is now open! Anglers will have until August 3rd, 2019 to accumulate points in this unique catch-and-release tournament. By having the anglers photographed with the fish they catch and then submitted

online. The contest is run over the course of several weeks instead of just a single day of competition. In addition, the contest awards points not only for the number of fish caught, but also for the number of different species represented in the submissions. The more fish you catch and the more species you catch, the better your chances are to win! These innovative guidelines encourage contestants to spend time throughout the summer exploring the diversity of habitats and fish species in our Palm Beach and Martin Counties.

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: Travis Bains, CSHO, ENS, Safety Compliance Officer
Date: May 1, 2019
Subject: District Safety Report for April 2019

Safety is a Core Value at LRD

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

Safety Metrics April 2019

For the month of **April**, the District had **NO** OSHA recordable injuries.

For the month of **April**, the District had **NO** lost time injuries to report.

The District has worked 52,670.8 hours without a DART.

The District has worked 111 days without a DART.

DART = **D**ays **A**way **R**estricted **T**ransfer,; DART is a safety metric used by companies as well as OSHA to show how many workplace injuries and illnesses caused the affected employee to remain away from work, restricted their activities, or resulted in a transfer to another job as they were unable to do their usual job within a calendar year.

Hazard Analysis

4 Questions that could save your life.

- I. What am I about to do?
- II. How could I get hurt?
- III. What am I going to do to prevent injury?
- IV. What do I need to do this and how will I do it safely?

As the LRD Safety Officer, I have been instilling these 4 Questions into LRD employees. Asking these simple questions before a task is started, while underway, and before finishing is proven to improve attention to safety and reduce workplace incidents.

Training

- First Aid/CPR/AED/Marine Hazards – Training for River Center and Wildpine Lab – They deal with a plethora of marine hazards while addressing citizens and workshops
- Power Industrial Truck – Re-certifying Maintenance Shop on PIT
- Fall Protection/Self – Rescue – Expert Presentation on Self-Rescue after a fall for employees required to enter/exit confined spaces, wet wells, ladders, and vaults.

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

- Supervisors/Safety Committee Training – Monthly meetings to discuss current safety related events within the District

Aeration Basin

- Risk Assessment – Cleaning, Fall Protection, PPE, proper egress, and nonpermitted confined space.
- Compliance – Non-Permitted Confined Space/Fall Protection – 100% tie off and three-point contact while accessing ladders, platforms and fall hazards.
- Training – Awareness of hazards seen and unseen (trough running length of aeration bay), accessing ladders and platforms.

Life Ring Buoys

- Risk Assessment – Old Life Buoys were deteriorating; replaced with new throughout the plant.
- Compliance – They provide a lifesaving assistance.
- Training – knowing about staged safety equipment throughout the plant.

Windssocks

- Risk Assessment -- Wind Socks were tattered and faded – They provide a valuable service for our RMP and identifying wind direction in an emergency.
- Compliance – Placed in conspicuous locations, brilliant, easy to identify wind direction.
- Training -- Chlorine Awareness, reviewing of RMP, and identifying windssock locations.

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: May 6, 2019

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>
Smith, Gaskill & Shenkman, PA	\$6,174.29	\$79,133.31
Hazen	\$26,539.44	\$118,373.76
Holtz	\$13,205.80	\$72,389.55
Mathews	\$43,507.48	\$307,458.20

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

\\Lrecd-fp01\admin\BOARD\Consult2019.docx

Gordon M. Boggie
Board Member

Stephen B. Rockoff
Board Member

Dr. Matt H. Rostock
Chairman

Harvey M. Silverman
Board Member

James D. Snyder
Board Member

Future Business



Neighborhood Sewering:

- Preliminary Assessment-
 - Turtle Creek Subsystem 2
 - Turtle Creek Subsystem 3
- 181st Street Gravity Construction Contract
- Island Country Estates Construction Contract

Other:

- Fiscal Year 2020 Budget Assumptions
- Chapter 31-16 River Enhancement
- Personal Policies & Procedures
- Construction Standards & Technical Specifications
- Low Pressure General Construction Services Contract
- Olympia Force Main Replacement Construction Contract
- Lift Station 82 Conversion