



May 2017 Monthly Report



Key Largo Wastewater Treatment District

103355 Overseas Highway

Tel: (305)451-4019

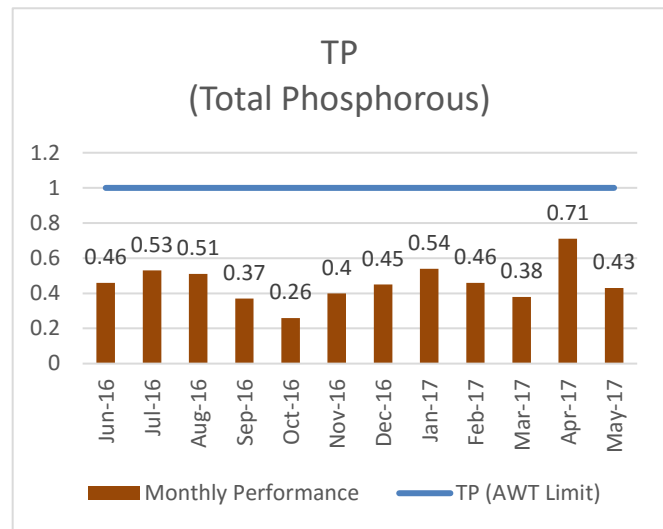
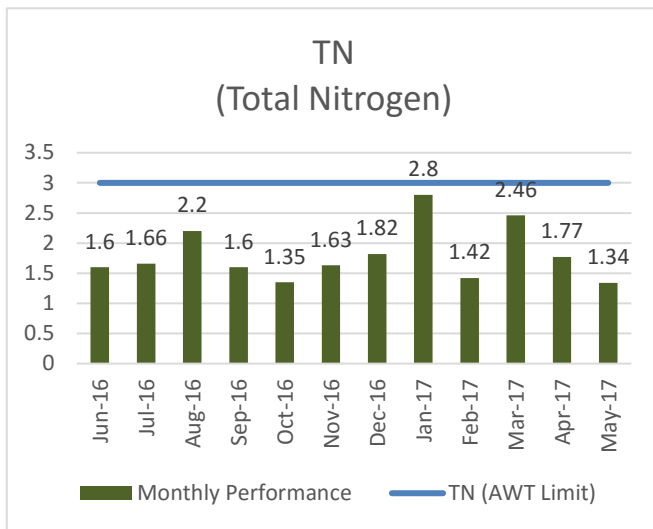
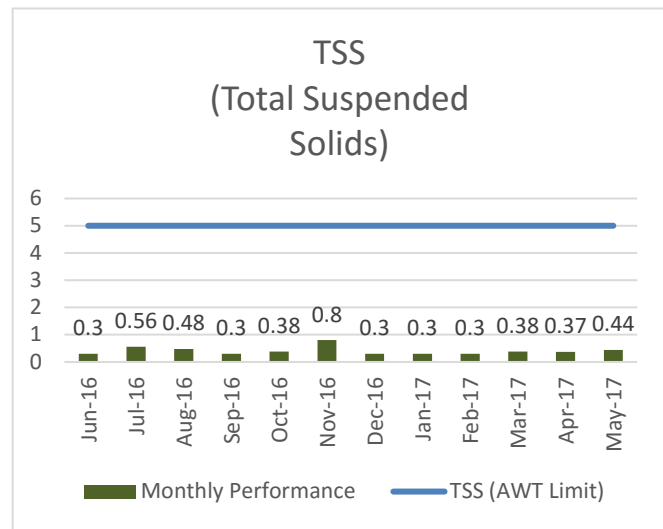
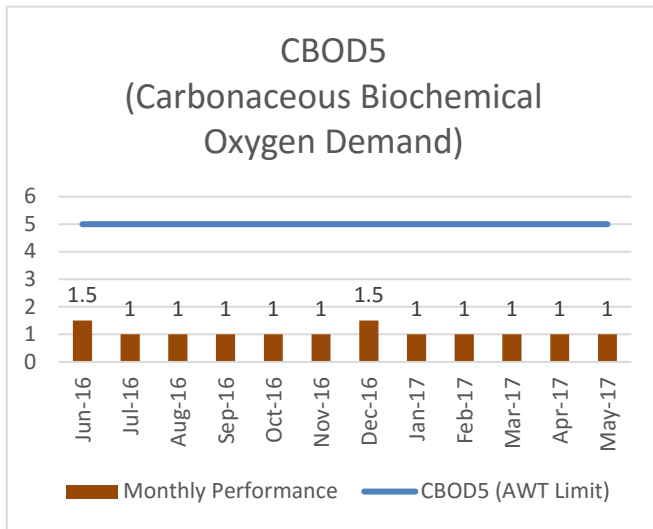
Operations

Wastewater Treatment Plant

The wastewater treatment plant processed an average of 1.44 million gallons of influent per day (MGD). Zero plant related odor complaints were received for the current month. Plant staff is fine tuning treatment process in 3 basin mode and pacifying/pickling aeration lines.

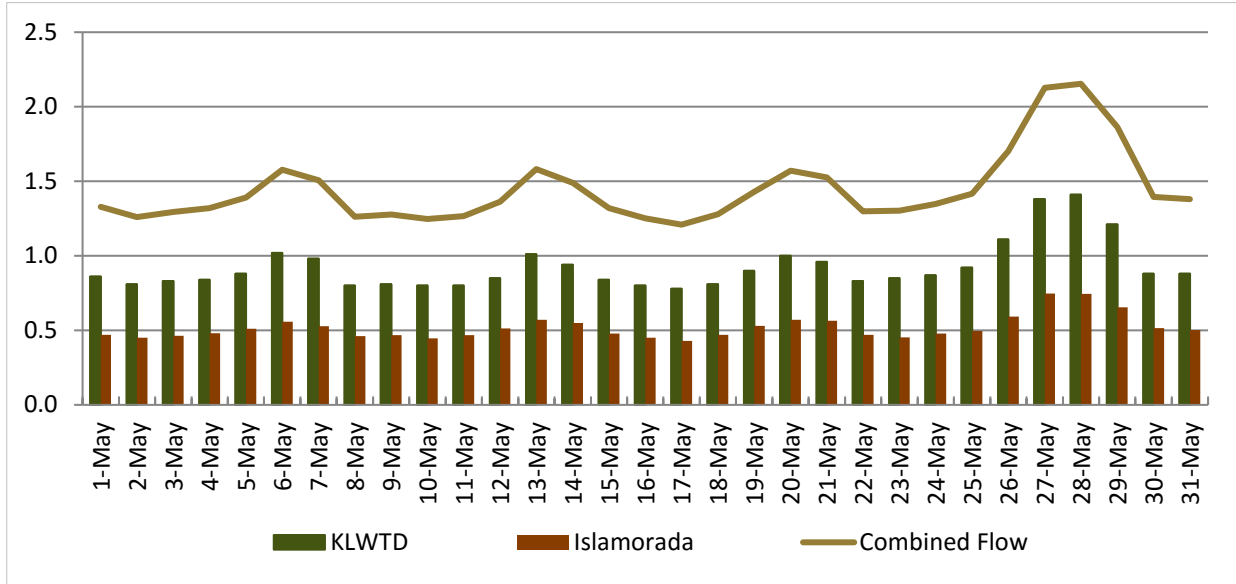
Effluent Quality Report

The effluent quality report is used to determine the quality of discharge from the wastewater treatment plant.



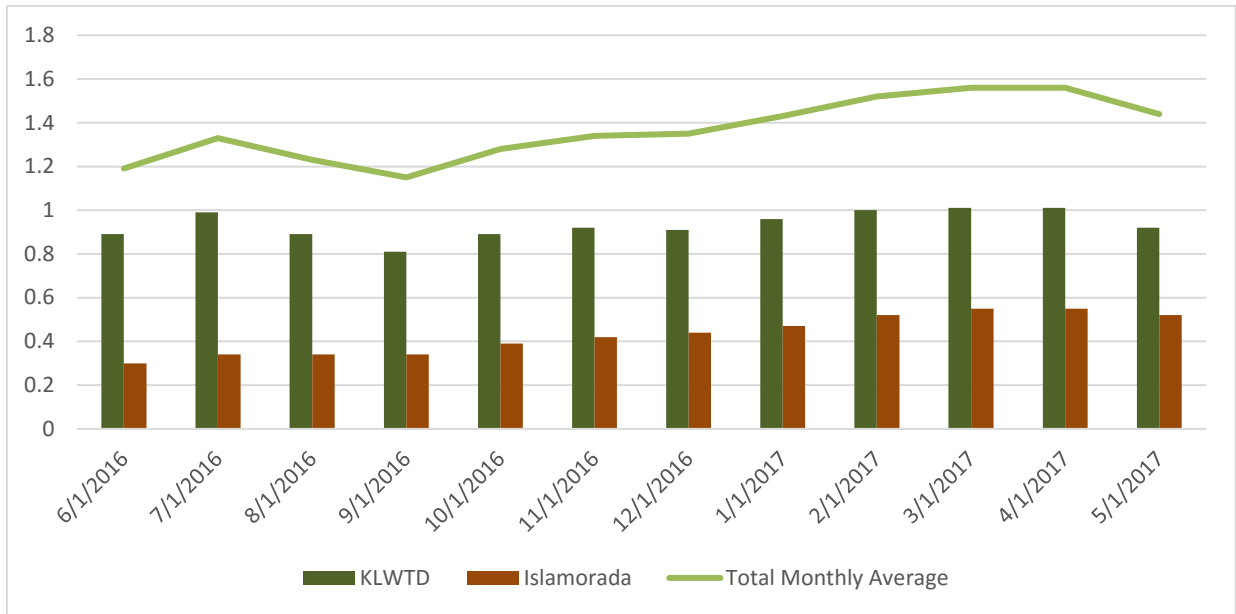
Current Flow (MGD)

The total flow of influent through the wastewater treatment plant each day.



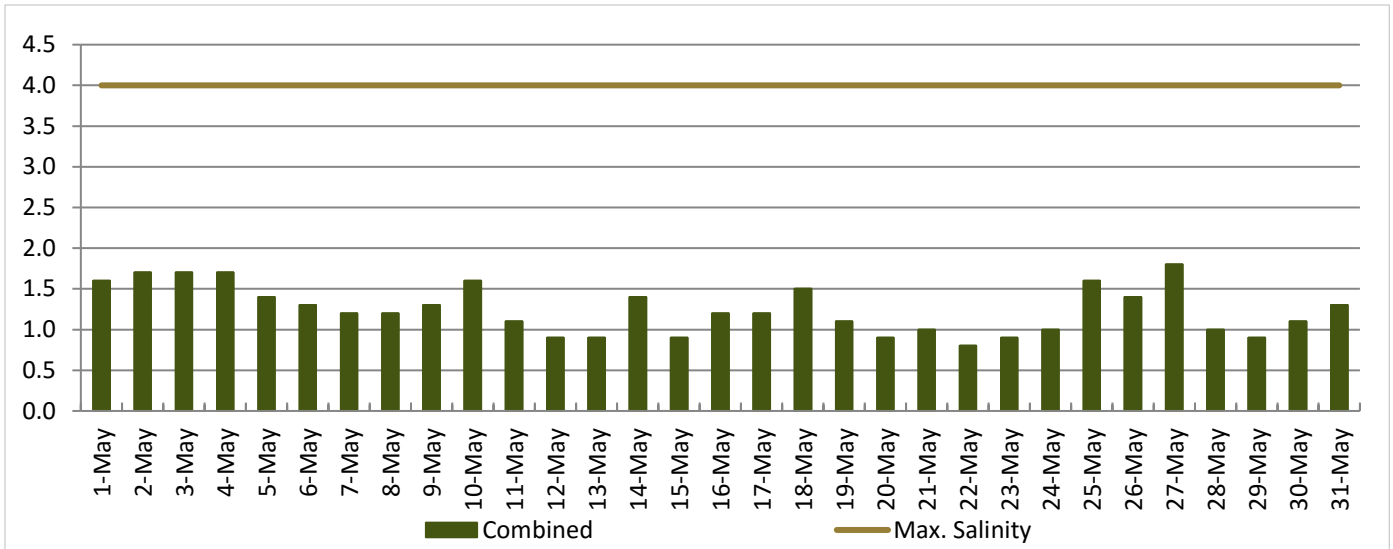
Monthly Flow Average

Average Daily Flows per Month – Prior 12 Months



Composite Daily Peak Salinity (PPT)

The daily peak salinity for the current month.



Wastewater Field Operations

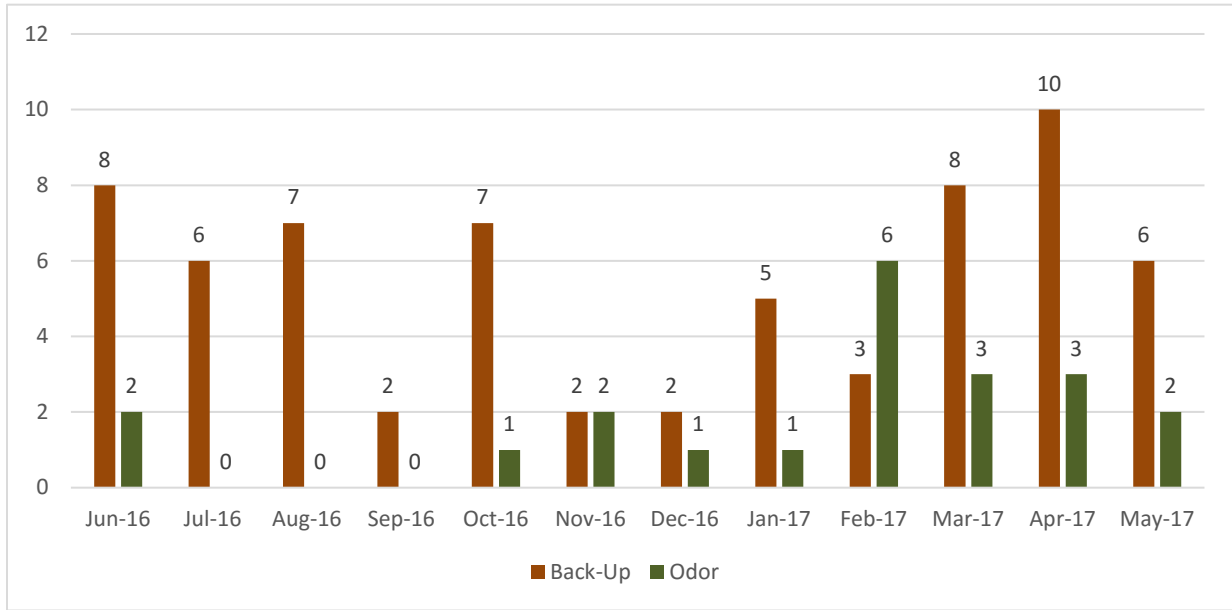
There was a total of 36 callouts for the current month. Of these, 30 were system generated, mostly by low vacuum detection at a vacuum station. These 30 callouts had no effect on the District’s customers and the problems were corrected by the field staff before any negative consequences could occur. The remaining 6 callouts are as follows:

Address	Date	Incident	Response	Follow-up Complete?	Damage?
47 Shoreland Dr	May 8, 2017	Possible sewage by manhole	Replaced valve	Yes	No
149 Ocean Shores Dr	May 22, 2017	Cleanout full of sewage	Replaced surge suppressor	Yes	No
1310 Ocean Bay Dr	May 28, 2017	Possible backup on property	Replaced hose and jetted pit	Yes	No
125 Tree Ln	May 30, 2017	Toilets flushing slow	Homeowner issue	Yes	No
202 Cromwell Ct	May 30, 2017	Toilets not flushing	Homeowner issue	Yes	No
142/146 S. Ocean Shores Dr	May 30, 2017	Sewage in shower	Low vacuum from station	Yes	No

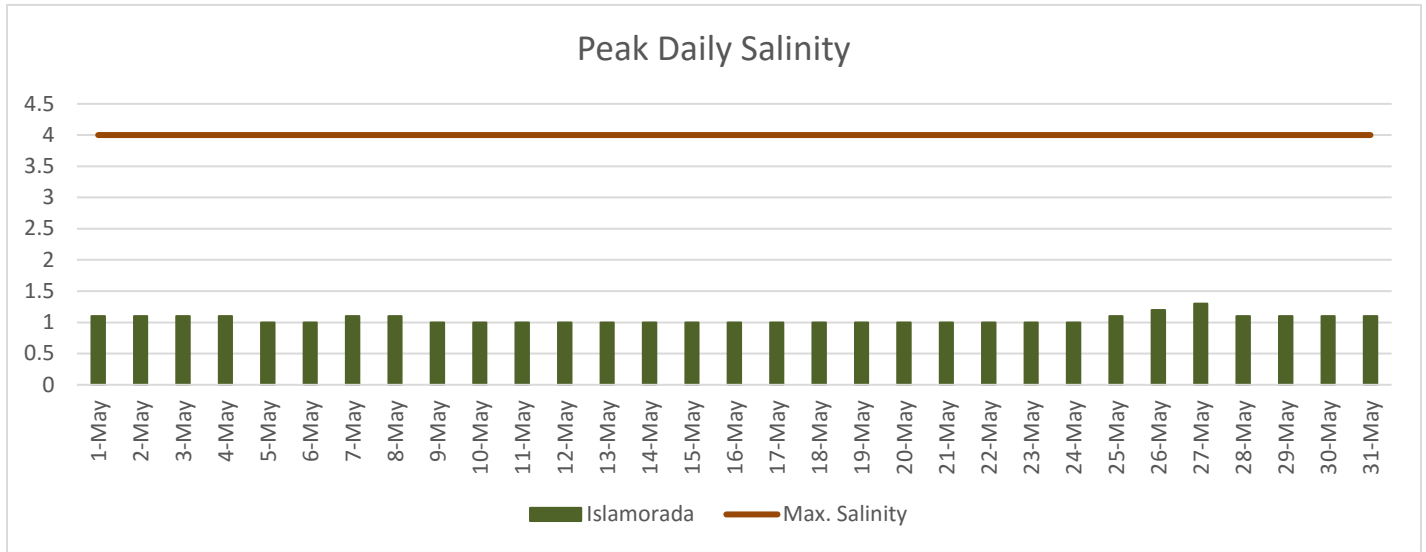
There was 2 odor complaint for the current month.

Address	Date	Incident	Response	Follow-up Complete?
Vacuum Station JK	May 2, 2017	Strong odor in area	Changed carbon in odor control 5/3/2017	Yes
158 Dickie Way	May 11, 2017	Strong odor in area	Odor coming from parcel	Yes

Callouts – Prior 12 Months



Islamorada



Average Daily Flow	Monthly Peak Salinity	Days over 4.0 PPT Salinity	Monthly Bill
0.52 Million Gallons per Day	1.3 Parts per Thousand	0	Flow: \$74,748.75 Salinity: \$0

Commercial Tie-Ins Approved

1. No Commercial Tie-Ins for May 2017

Construction

Current Construction Projects

Project	Contract Amount	Contract Start/End	Contract Total Paid to Date	Contract Balance Remaining
Chemical Storage and Feed (Wharton-Smith, Direct Purchase Vendor - Carl Eric Johnson)	\$721,183	7/21/2016 – 8/9/2017	\$426,882	\$309,011
Temporary Skids/Ultrasonic Transmitters – Carl Eric Johnson	\$14,710			
Current Project Total	\$735,893			

Status Update: The new sodium hydroxide tank and pumping system is installed and operational. It is currently operating in pH control mode. The WWTP staff wants to try running in flow-proportioned mode to improve effectiveness of the system. Upcoming work includes the concrete work for the alum, hypochlorite and glycerin tanks and pump skids and running the 460-volt power into the chemical room.

WWTP Blower Upgrades (Wharton-Smith, Direct Purchase Venders – Aerzen, Champion Controls, Chalmers & Kubeck)	\$2,637,893	11/17/2015 – 4/26/2017	\$1,664,283	\$89,178
WS Change Order No. 1	\$4,930	9/15/2016		
WS Change Order No. 2	\$3,253	12/7/2016		
WS Change Order No. 3 (Credit Change Order)	-\$922,000	12/7/2016		
WS Change Order No. 4	\$29,385	12/21/2016		
Current Project Total	\$1,753,461			

Status Update: The scope of work for the blower upgrades is completed, including the punch list items. Records drawings and O&M manuals were received. Signals from the blowers are integrated into the SCADA screens and contract closeout is anticipated for July 2017.

Vacuum Station F Booster Pump Aqseptence Group Inc.	\$15,837.61	N/A	N/A	N/A
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The contract amount for Aqseptence Group is for the vacuum pump and startup services. Other materials and labor are needed to complete the job.

Status Update: The pump has been received and maintenance staff will place orders for the piping, conduit, wiring and hardware to install the booster pump system. Once installation is complete, AirVac will wire in new components in control panel and perform startup of booster system.

Upcoming Construction Projects

Project	Status
Headworks Bypass Piping	Headworks bypass piping design is underway. Valve actuators have been added to the design. Replacement of corroded conduit and repair of concrete and coatings is also included in the project.
Process Water Pumping System	The plant process water pumping system design was completed. The technical specifications are to be assembled. The project will be bid along with the headworks bypass piping project. Although bidding will take place in the fiscal year, the construction has been shifted to next fiscal year.
Stormwater Retention Area Project	After consulting with staff, it was determined that staff could self-perform this work using rental equipment. The design for the maintenance of the retention area has been completed. Staff will check pricing and availability or rental of asphalt milling machine and street broom. It is expected that this work will be completed before the end of September.

Maintenance

Project	Status
Preventative Maintenance	Installed and wired temporary Hypochlorite and Alum pump skids and moved and plumbed chemical tanks for the chemical upgrade project, Service truck oil changes and service, Calibrated and cleaned all SBR process probes, Fork lift hydraulic seals replaced and annual service, Annual plant elevator inspection, Vacuum Station E Vac pump case plate repaired, repaired and resealed injection well check valve, serviced Islamorada influent sampler, and performed all monthly and weekly maintenance and inspections on plant and field operations equipment and vehicles.
Corrective Maintenance	Disassembled and removed 175 HP digester blower motor for repair, Repaired dump bed trailer hydraulics. Replaced faulty level transducer at the headworks, Repaired and resealed injection well check valve, Repaired damaged blower fan on Truck #8, Repaired and rebuilt pump on the Vactron Jetter.

Customer Service

Tie-Ins

	Number of EDUs	% of EDUs	Number of Parcels	% of Parcels
Improved Parcels Not Connected	306.50	2.0%	169	1.6%
Improved Parcels Connected	14,692.50	98.0%	10174	98.4%
Total	14,999.00	100%	10,343	100%

Vacant EDUs Not Connected	Vacant Parcels Not Connected
1,694.80	1,753

Customer Service Call-Ins

	Total
Approval to Proceed	25
Assessments	2
Back-Up	6
Breather Issue	1
Collections	10
Construction	2
Damage	1
Demo	1
Equipment Failure	1
Grease Trap	1
Locate	27
MOD Call	6
Misc.	1
Odor	2
Tie-In	30
Unique Program	1
Total	117

Code Enforcement

	Current Month	Total
Letter to Proceed	26	19,401
Grant	0	119
Deferred	4	343
In Contract	20	260
Final Notice	1	571
Door Hanger	3	211
Code Enforcement	1	337

*Code Enforcement files will be taken to the Monroe County Code Enforcement Department the last week of the month.

Budget & Finance

Current Debt Status

SRF Loan – KLNC01P	\$16,556,614.22
SRF Bonded Loan - KLNC 010	\$10,228,223.63
BB&T 2013 Bond	\$7,803,970.41
BB&T 2014 Bond	\$7,805,154.04
Current Balance of all loans:	\$42,393,962.30

Cash Flow

	Deposits	Withdrawals
Wastewater Billing Deposits	\$753,434.67	
Assessment Revenue Received (Non-Ad Valorem & SDC Prepayments)	\$137,253.24	
Islamorada Flow & Salinity	\$74,748.75	
District Expenditures		\$408,512.01
Payroll		\$161,804.81
Extra Debt Payment (2 SRF Loans)		\$2,301,510.30
Total	\$965,436.66	\$2,871,827.12

GSG/CDBG Status

	Applications Approved	In Verification Process	Incomplete Applications	Denied	Withdrawn
Current Status	223	6	1	94	102

Total Grant Applications
426