

WASTEWATER UTILITY REPORT

November 2017

Wastewater Connections

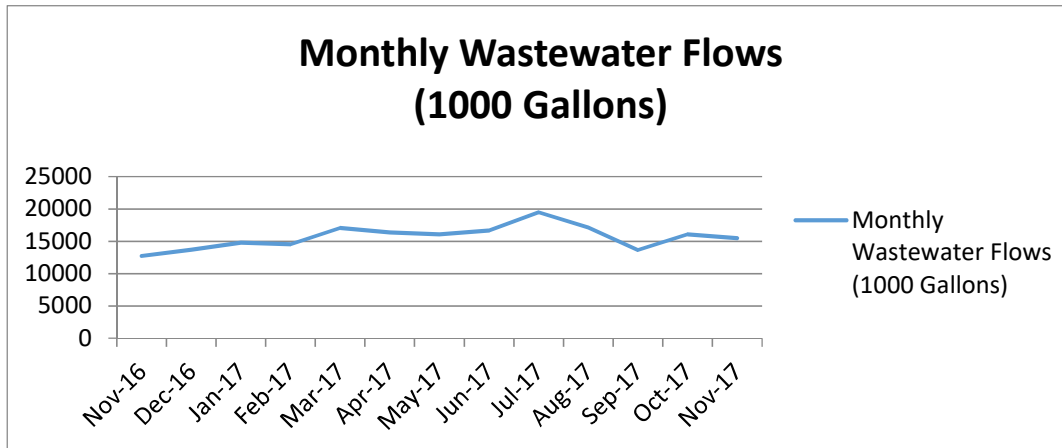
Wastewater Connection Status Summary Table

AREA	Total Parcels	Parcels In Process	Parcels Connected	TOTAL PARCELS In Process & CONNECTED	% CONNECTED	TOTAL % In Process & CONNECTED
NPK	1175	23	1148	1171	98%	99%
MPK	678	49	607	656	90%	97%
SPK/WK	794	38	690	728	87%	92%
UMK	570	53	400	453	70%	79%
LMK	944	48	788	836	83%	89%
TOTALS	4161	211	3633	3844	87%	92%

528 of 4159 Improved parcels remaining to connect

Monthly Wastewater Flows

The Transfer Pump Station pumped 15.459 million gallons in November. The chart below illustrates the change in flow to Key Largo over the past year.



Salinity

Salinity level exceeded compliance range per the interlocal agreement with the Key Largo Wastewater Treatment District on 2 days. The Village has not exceeded more than 30 days in the last year so there is no penalty for the 2 days in November. A chart tracking the November salinity readings is attached.

The Severn Trent Operations Report for November 2017 is attached.

Islamorada, Village of Islands

November 2017 Operations & Maintenance Report



UNDERSTANDING
A VALUABLE RESOURCE





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December 2017

Greg Tindle
Wastewater Program Manager
Islamorada, Village of Islands
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Mr. Greg Tindle:

Enclosed you will find the November 2017 Operations & Maintenance Report.

Sincerely,

Pedro Ruiz

Pedro Ruiz
Project Manager

Executive Summary

Post Irma, our recovery efforts continue with most of the damage Identified, corrected, and or waiting on part deliveries.

Preventive maintenance (PM) of all Vacuum Pump Stations has been performed. This include fluid and filter changes of all vacuum / sewage pumps. Cone filters have been cleaned and canister filters replaced.

Preventive Maintenance of the Lower Matecumbe Collection System (LMK) has started. Technicians work street by street inspecting every sewage pit. The inspection requires the use of hand tools, and a 16 step checklist. If deficiencies are found they are recorded on the checklist, the information is then recorded in the maintenance management program or CMMS.

The E-1 Grinder System suffered damage in several areas from cleanup efforts. However, all actively tied in customers are in operation. An assessment of all stations was performed and all needed repair parts ordered. A second round of inspections will begin as new issues have been found after the initial assessment was performed. Our target completion date is December 15th. By this time 100% repair is expected.

Salinity

There were 2 days that we exceeded the salinity threshold.

This was caused by Phase II Sewage Pits that were found to have cracks which allowed saltwater inflow and Infiltration (I&I). The plastic on these Phase II Pits has become brittle, and overtime cracks will develop. Both pits have been replaced.

As soon as we have indication of I&I we start to look for the source. This is done by 1st identifying which of the collection system is registering high salinity concentration levels. Then all sewage pits associated with the specific area are uncovered and salinity testing is conducted. These test are best done during periods of high tide, but at times we have been able to locate the source during normal tides. This process is very time consuming, but has proven to be the most effective in locating I&I.

Attached you will find a Salinity Chart for November.

Completed Work Authorizations

None to Report.

Safety Performance

We continue to lead in the Southeast with zero recorded incidents and or lost time incidents since December 2014. Severn Trent has a great safety program in place which requires a safety board in all facilities which helps to keep track of all daily safety tailgate meetings and provides all staff with online training courses.

) No recorded incidents nor lost time incidents to report in the month of November.

Personnel

Training received through Learning Edge safety training.

) Slips, Trips, and Falls.

Technical Issues

Transfer Re-Pump Station Operations

) Transfer pump station pumped 15.459 MG in November.

Summary of completed task

Backups – No backups to report.

New Service Connections – 34 new service connections

Locates Performed – 105 locates performed

Salinity in the month of November 2017

