

Overall Plant Status:

- Effluent quality is good (clear).
- The plant is operating well.
- The annual daily average flow for October was 0.107 mgd (30.12% of capacity; limit is now 0.322). 3-month daily average for October was 0.097. Daily average for October was 0.103
- There were two sludge hauls in October with approximately 6000 gallons in each haul. (11/19 and 11/21)
- Solid settling 30-minute average is 55%- and 60-minute average is 45%.
- The sludge judge reading from the clarifier is 1-2.5 feet.
- Perc Pond 1 is the pond currently in use.

Maintenance Items Addressed During August:

- Preventive maintenance was performed on the RAS pups, digester blowers, surge tank blowers, and Lift Station pumps.
- The chlorine contact chamber was cleaned, the oxidation ditch pump and clarifier stilling well were de-ragged, influent pretreatment equipment was de-ragged and cleaned.

Maintenance Required – Approvals Needed:

- No approvals needed at this time.
- Routine annual cleaning out of all lift stations will be done in January.

Other:

- Expansion of perc pond 1 and 2 was completed. The walk through of the ponds was completed by both engineers, Cline Construction, and MSOA on November 9th. The engineer provided a short punch list following the walkthrough; required corrections were made prior to the Special Board meeting on November 14th, at which the board agreed to accept the work as completed. The county inspected the work and approved it on November 20th. DEP approval was received on November 27th. All requisite approvals have been given and the deed to perc pond 3 transferred according to the escrow and development agreements.

An accounting of the costs has been requested. James Roche is following up with the escrow agent to receive that accounting so payment for the “tap” fees can be confirmed and received.

- An estimate has been requested again from PBM to build a second clarifier and Chlorine Contact Chamber. They expect to deliver it prior to the January board meeting.
- The county work on A1A to implement storm drainage will cause our sewer main line to be temporarily cut off near the Sea Colony west lift station while the county pipes are placed below it. A meeting with the county construction team is scheduled for 12/5 – a verbal update will be provided by George during the MSOA board meeting on 12/7.

Matanzas Shores Waste Water Treatment Plant Report
December 7, 1018

Project	Priority *	Timing	Status
Install Composite Sampling System (needed by 10/1/2019 - per DEP 7/25/2018) email from Mark C	1	Q3-2019	
Install Auto-dial System for high-level alarms (surge tanks, digester and lift stations)	2	Q2-2019	Estimate Needed
Reuse Water System/Plant Use Irrigation System	4		
Replace Damaged Manhole Covers (Sea Colony to plant)	2	Q1-2019	
Check/Repair Sewer Main	2		
Office Area Refurbish	2	Q4-2019	
Restroom Area Maintenance	4	Q4-2019	
New Heat/AC for office and restroom	4		
Install Cover for the Inflow Structure (5N Building Solutions- \$2,343)	2	Q3-2018	Completed 10/2019
Repair covers of pressure release valves along the sewer main on A1A (in-house)	2	Q1-2019	Approved
Problem with Sea Colony lift station (by the sea) - Motor/pump 2 repair/replacement needed. Backup pump used in the interim (replacement will be done once the issue with Pump 1 is also confirmed)	1	Q4-2018	Completed
Additional problem with above lift station - Pump1 Digital Control Box Needed	1	Q4-2018	Completed
Create Plant Redundancy (backup clarifier and contact chamber)	2	Q4-2019	Estimate Requested from PBM 10/2018