

Matanzas Shores Waste Water Treatment Plant Report
March 23, 1018

Overall Plant Status:

- The average flow per day for February was .121 MGD and for March to date, .116 MGD.
- Two sludge hauls were required:
 - Feb 20 – 5,721 gallons
 - Feb 27 - 5,894 gallons
- The annual meter calibrations on the influent flow meter and recorder were completed by Central Florida Controls on Feb 27.
- Two spare lift station pumps were tested.
- J.L Power replaced gaskets on the generator and completed load testing on Mar 8.
- The plant was treated for red worms Feb 9.
- Solids settling is slow and being addressed by Biometrics.
- Effluent quality is good.

Maintenance Items Addressed During Feb/March:

1. Connection fittings and plugs to the remote lift stations for the portable generator were ordered. Testing will be scheduled when they come in.
2. The corrosion repairs and painting are a work in progress. This corrosion did not happen overnight, rather it was over an extended period of time. It is requiring an extensive amount of preparation work. All areas are being wire brushed with angle grinders, hand-sanded, and treated for rust. The same areas are then pressure washed and the final step is hand-cleaning with denatured alcohol.
3. All pipes and parts that have signs of corrosion are being painted with a catalytic two-part epoxy paint.
4. Repaired portions of the PP3 fence (where possible) and also re-hung the A1A PP3 gate.

Other:

- ¹⁸ 9 out of 35 Sea Colony residents have completed replacement/repair of their sewer clean-out caps. Sea Colony residents have until 3/31 to have these repairs completed.
- ⁵⁴ 4 out of 17 Lakeside residents have completed replacement/repair of their sewer clean-out caps. Lakeside residents received later notification than Sea Colony and have until 4/30 to complete these repairs.
- The Plant Manager will schedule another meeting with his engineer to review the current WWTP permit items that need to be completed very soon, or permit extensions requested:
 - Perc Pond 3 being brought online
 - Composite Sampling installed

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Project	Priority*	Timing	Status
Rust Removal and Prevention - Paint Pipes/Motors (labor in-house) -	1	Q1-2018	In Process
Install Composit Sampling Collection System (2 outdoor refrigerated composite samplers and weather cover) - Biometrics	2	Q2-2018	Hold/further Discussion
Bring Perc Pond 3 On-Line per Permit requirements, including any new wells)	2	Q4-2018	Hold/further Discussion
Install Cover for the Inflow Structure (\$2,300) or look at dumpster placement as an alternative (Pending Estimate)	3	Q3-2018	Confirm Approach
Infiltration Smoke Test	1	Q1-2018	Completed
Ensure all sewer clean-out cap replacement done. Determine what follow-up is needed to have homewoners complete the work by 3/31/2018 (Sea Colony) and 4/30/2018 (Lakeside)	1	Q1-2 2018	In Process (12 Done)
Confirm Surf Club 2 and 3 drainage repository	1	Q1-2018	In Process
Analyze possible problem with lateral pipe connection to main at the manhole on San Carlos/San Jose (Flagler Septic)	1	Q1-2 2018	FS waiting for camera part to complete
Get appropriate plugs and cords and test the portable generator at the remote lift stations. (Frank and Carlos Jr).	1	Q2-2018	Schedule when parts come in
Exercise the 2 Spare Lift Station Pumps (routine periodic maintenance)		NA	On-Going
Change gaskets in generator and complete generator test (noted from the annual inspection) - J.L. Power	1	Q1-2018	Completed(waiting for invoice)
Repair covers of pressure release valves along the sewer main on A1A (in-house)	3	Q3-4 2018	
Address the wheel that is beginning to freeze up to open the sludge drain valve (estimate needed) ECS looking at it 3/20	4	Q3-2018	Review & Estimate Needed
Install auto dial system for high-level alarms (surge tanks,digester and main lift station)	2	Q1-4-2018	Estimates Needed
Create Plant Redundancy (backup clarifier)	3	TBD	