

President's Comments

Work done over the last year to address storm water infiltration into the system has been particularly noticeable during our heavy afternoon rain and higher occupancy season, which has *not* created great fluctuations in flow. Despite COVID-19, Matanzas Shores has had a high number of guests and rentals (once they were permitted by law), coupled with "snow birds" remaining here in Florida longer than in most years.

Smoke-testing of the entire MSOA complex is recommended at least every other year to continue to address any infiltration problems as early as possible. The most frequent cause of infiltration is broken sewer clean out caps due to lawnmower damage.

Owners are reminded that only toilet paper should be flushed in toilets as other products, despite labeling that indicates other products can be flushed as well. Please refer to the attached guidelines for what not to put down your drain.

Overall Plant Status:

- Effluent quality is good (clear).
- The plant is operating well.
- The daily average flow for June was .077 mgd.
- The solid settling 30-day average for June was 65%
- The average sludge judge reading from the clarifier during this time was 1 foot.
- There were two sludge hauls in June, each averaging about 6000 gallons.

Maintenance Items Addressed During Since the February Report:

- The shaft was frozen on the Stenner pump. It was replaced and the old pump will be repaired.
- The drop tube on the bar screen was replaced.
- A power surge apparently tripped an alarm on one of chlorine contact chamber pumps. The pump was examined and the alarm reset; nothing wrong.

Maintenance Required

- A work order has been placed for the flow meter, that has been malfunctioning for a few days.
- No other non-routine maintenance is planned at this time.

Other:

- The DEP has deemed our application for permit renewal complete. The draft new permit has been received and with no comments from our engineer will be issued on Wed, July 22. Now that we are permitted up to .322 gpd, sampling and reporting requirements are increased. This will increase our lab costs for next year.
 - The monitoring frequency for some of the routine samples is bi-weekly, Every 2 weeks (which is different than twice per month just slightly). Others remain grab samples.
 - The CBOD5 and TSS for influent and effluent are 8-hour flow proportioned composites and are to be done bi-weekly. Other parameters are still grab but bi-weekly.

Matanzas Shores Waste Water Treatment Plant Report
July 24, 2020

- Total Nitrogen and Total Phosphorus are Monthly and are "Report" only for the limits. The difference is with the reporting to TN and TP. They want the Maximum and the Annual Average.
- We will need to submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2 on or before January 1st of each year.
- During the years we don't renew the permit, we need to submit a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted with the signed DMR in lieu of performing the analysis. This needs to be submitted by **January 28 of each year.**