



STATUS REPORT

Progress and Improvements

DPW BUREAU/OFFICE Patapsco WTPP

Date 10/28/2022

Parameter	Week ending 10/14/22	Week ending 10/21/22	Weekly Permit Limit	Monthly Permit Limits	Weekly Limits Met?	Monthly Limits Met?
Total Suspended Solids (TSS)	3 mg/L	4 mg/L	45mg/L	30mg/L	Yes	Yes
Biochemical Oxygen Demand (BOD)	11 mg/L	8 mg/L	45mg/L	30mg/L	Yes	Yes
Total Phosphorus (TP)	0.3 mg/L	0.3 mg/L	3.0mg/L	2.0mg/L	Yes	Yes
Ammonia (NH ₃)	0.4 mg/L	0.5 mg/L	N/A	6.3mg/L	N/A	Yes
<i>Enterococci</i>	3 MPN/100 mls	4 MPN/100 mls	N/A	35 MPN/100 mls	N/A	Yes

N/A= Not Applicable MPN= Most Probable Number

Maintenance Updates

The plant utilizes a scum and fats, oils, and grease (FOG) removal pumping system, which sends the material directly to the dumpster versus the previous practice of recirculation. The pumping system helps with FOG removal throughout the entire process stream.

Gravity Sludge Thickener (GST) #4 repairs are underway. Completion of this work is scheduled for January 2023. All aerators have been repaired, the mixers on the Oxygen Reactors are now being repaired to aid in further BOD removal and improved nitrification efforts.

The Enhanced Nutrient Removal facilities are all fully in service for Nitrogen removal. Chemsan units have been repaired, and automated control of methanol addition to the Denitrification Filters has been returned.

Summary

As we continue, we are confident in a clear path forward to compliance at the Patapsco Wastewater Treatment Plant.