



STATUS REPORT

Progress and Improvements

DPW BUREAU/OFFICE Patapsco WTPP

Date 10/14/22

Parameter	Week ending 9/30/22	Week ending 10/7/22	Weekly Permit Limit	Monthly Permit Limits	Weekly Limits Met?	Monthly Limits Met?
Total Suspended Solids (TSS)	7 mg/L	3 mg/L	45mg/L	30mg/L	Yes	Yes
Biochemical Oxygen Demand (BOD)	6 mg/L	11 mg/L	45mg/L	30mg/L	Yes	Yes
Total Phosphorus (TP)	0.7 mg/L	0.2 mg/L	3.0mg/L	2.0mg/L	Yes	Yes
Ammonia (NH ₃)	3.3 mg/L	0.9 mg/L	N/A	6.3mg/L	N/A	Yes**
<i>Enterococci</i>	5 MPN/100 mls	4 MPN/100 mls	N/A	35 MPN/100 mls	N/A	Yes

N/A= Not Applicable MPN= Most Probable Number XX=Awaiting Official Results

**Patapsco Wastewater Treatment Plan (WWTP) month-to-date limits are trending within permit requirements. We will continue to await further results throughout the month to confirm compliance.

Training and Education Updates

October 24-28 National Technical Training (NTT) class will be focused on the Basics of Industrial Electricity and Troubleshooting Electric Motors. 360Water training, a computer-based training program reviewing operation and maintenance of plant specific processes, is being expanded to include maintenance staff and offer further training regarding the maintenance of the process equipment.

Maintenance Updates

Plant staff have implemented a scum and Fats, Oils, Grease (FOG) removal pumping system which sends the material directly to the dumpster versus the previous practice of recirculation. This is helping with FOG removal throughout the process stream.

Gravity Sludge Thickener (GST) #4 repairs are underway. Completion of this work is January 2023.

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 on a clear path forward to compliance at the Patapsco Wastewater Treatment Plant. All monthly parameters are currently under permit limits, and Patapsco has maintained compliance since August.