



STATUS REPORT

Progress and Improvements

DPW BUREAU/OFFICE Patapsco WTPP

Date 11/11/2022

Parameter	Week ending 10/28/22	Week ending 11/4/22	Weekly Permit Limit	Monthly Permit Limits	Weekly Limits Met?	Monthly Limits Met?
Total Suspended Solids (TSS)	4 mg/L	XX mg/L	45mg/L	30mg/L	Yes	Yes
Biochemical Oxygen Demand (BOD)	6 mg/L	XX mg/L	45mg/L	30mg/L	Yes	Yes
Total Phosphorus (TP)	0.2 mg/L	XX mg/L	3.0mg/L	2.0mg/L	Yes	Yes
Ammonia (NH ₃)	0.4 mg/L	XX mg/L	N/A	N/A	N/A	Yes
<i>Enterococci</i>	4 MPN/100 mls	XX MPN/100 mls	N/A	35 MPN/100 mls	N/A	Yes

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

Note: The Ammonia permit requirement is only seasonal from 5/1-10/31 each year. No limit otherwise)

Maintenance Updates

Maintenance staff have been focusing on the preventive maintenance (PM) of the process areas. 69 PM's have been completed this reporting cycle with the focus on pumps, drives, and mixers.

Four of the mixers on the Oxygen Reactors have been repaired and returned to service to aid in further BOD removal and improved nitrification efforts.

Plant personnel and consultant engineers have changed the insertion point for the Ferric Chloride in an effort to improve phosphorus reduction. The change moves the insertion point from the Combined Influent (CI) channel to the secondary distribution boxes. These changes are being done to increase the orthophosphate removal and minimize the generation of organic phosphorus for improved total phosphorus removal.

Community Updates

The Baltimore City Department of Public Works is so excited about opportunities to teach our community about what happens in our wastewater treatment plants. On Wednesday, November 2, 2022, our staff presented "A

"Glance Into the World of Wastewater" to students at the Maryland International School. The students were great and got a lot out of our presentation. They were engaged and asked plenty of questions. The students aced the quiz at the end and loved the goodie bags. Dr. Lloyd enjoyed herself as well. One group presented their project on cleaning water by filtering it through live charcoal.



Summary

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