



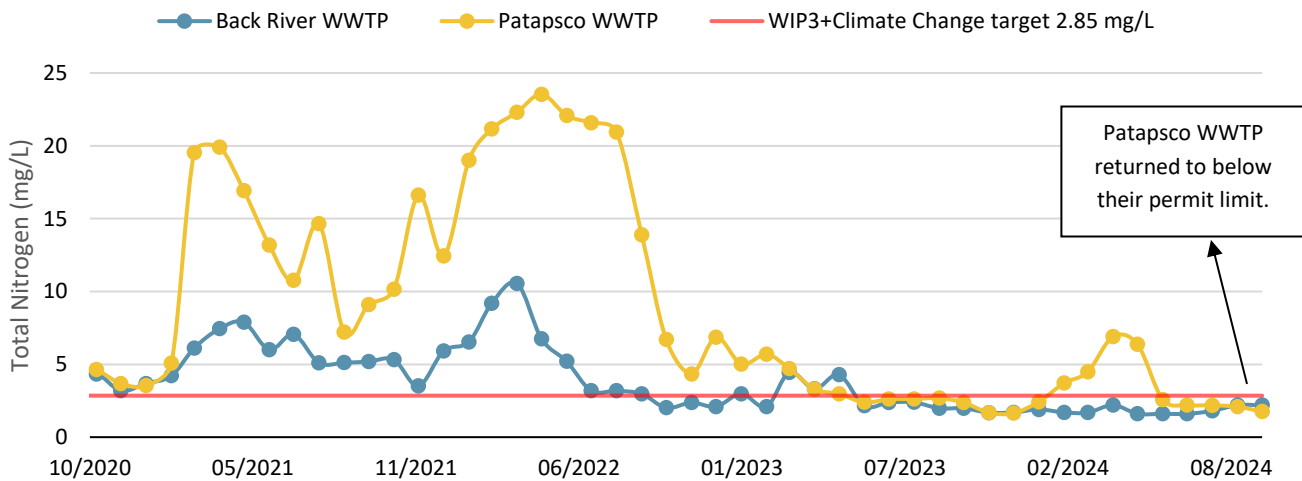
Wastewater Performance Tracking

The [2023 results](#) of Maryland Department of the Environment’s (MDE) wastewater treatment plants (WWTP) performance tracking showed that by the end of the year, Baltimore City had met their permit limits for both Back River and Patapsco WWTPs. Additionally, Maryland finished the year within its Phase 3 Watershed Implementation Plan (WIP3) and Climate Change target for the wastewater sector.

2024 WWTP Performance

In 2024, MDE continues its tracking efforts to detect potential issues in WWTP operations in a timely manner. The Department is closely overseeing and communicating with facilities to notify them and understand the underlying causes for not achieving expected treatment performance and the planned corrective measures, when applicable. As new data becomes available, the graphics below will be updated quarterly to track the overall performance of municipal WWTPs in Maryland, as well as the individual performance of the Back River and Patapsco WWTPs.

Figure 1: Patapsco WWTP and Back River WWTP Average Monthly Total Nitrogen Concentration from 2020 to Present compared to Maryland’s WWTPs 2.85 mg/L target





Wastewater Performance Tracking

Figure 2: Maryland's Major Municipal WWTP Aggregate Average Monthly Total Nitrogen Concentration from 2020 to Present compared to Maryland's WWTPs 2.85 mg/L target

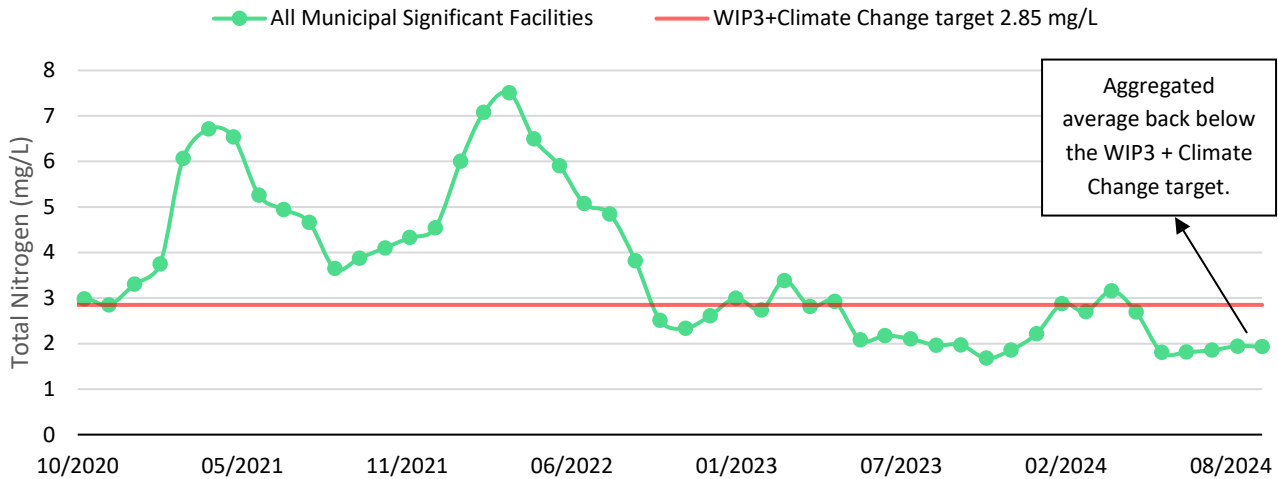


Figure 3. 2024 Average Monthly Tracking Results of Total Nitrogen Concentration Compared to 2025 WIP3 + Climate Change Target of 2.85 mg/L

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Number of Facilities</i>	75	75	75	75	75	75	75	75	75			
<i>WIP3 + Climate Change Target</i>	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85			
<i>All Municipal Significant Facilities Aggregate TN (mg/L)</i>	2.87	2.70	3.15	2.69	1.81	1.81	1.85	1.94	1.93			
<i>Patapsco WWTP TN (mg/L)</i>	3.71	4.48	6.90	6.38	2.58	2.20	2.19	2.09	1.76			
<i>Back River WWTP TN (mg/L)</i>	1.70	1.69	2.20	1.61	1.60	1.60	1.81	2.20	2.19			

Questions

Please direct questions or comments concerning Significant Wastewater Treatment Facilities Early Detection Tracking Results to mde.chesapeakewip@maryland.gov.