

July Superintendents Report

August 12, 2024

July received 6.02 inches of precipitation, for a total of 27.64 inches so far this year.

Total avg. flow was 13.79 mgd with the sum being 427.34 million gallons.

CBOD = 9 mg/L, TSS = 6 mg/L, NH₃ = 0.199 mg/L, Phos = 0.48 mg/L (12 Month avg lbs = 24,991 or 23% of our 12-month limit of 106,543 lbs.), TN = 2.3 mg/L with 1 data point to go. (12 Month avg lbs = 210,000 lbs or 32.45% of our 12-month limit of 639,261 lbs).

Micro Turbine production was 44,495 kwh. Solar produced 9,345 kwh.

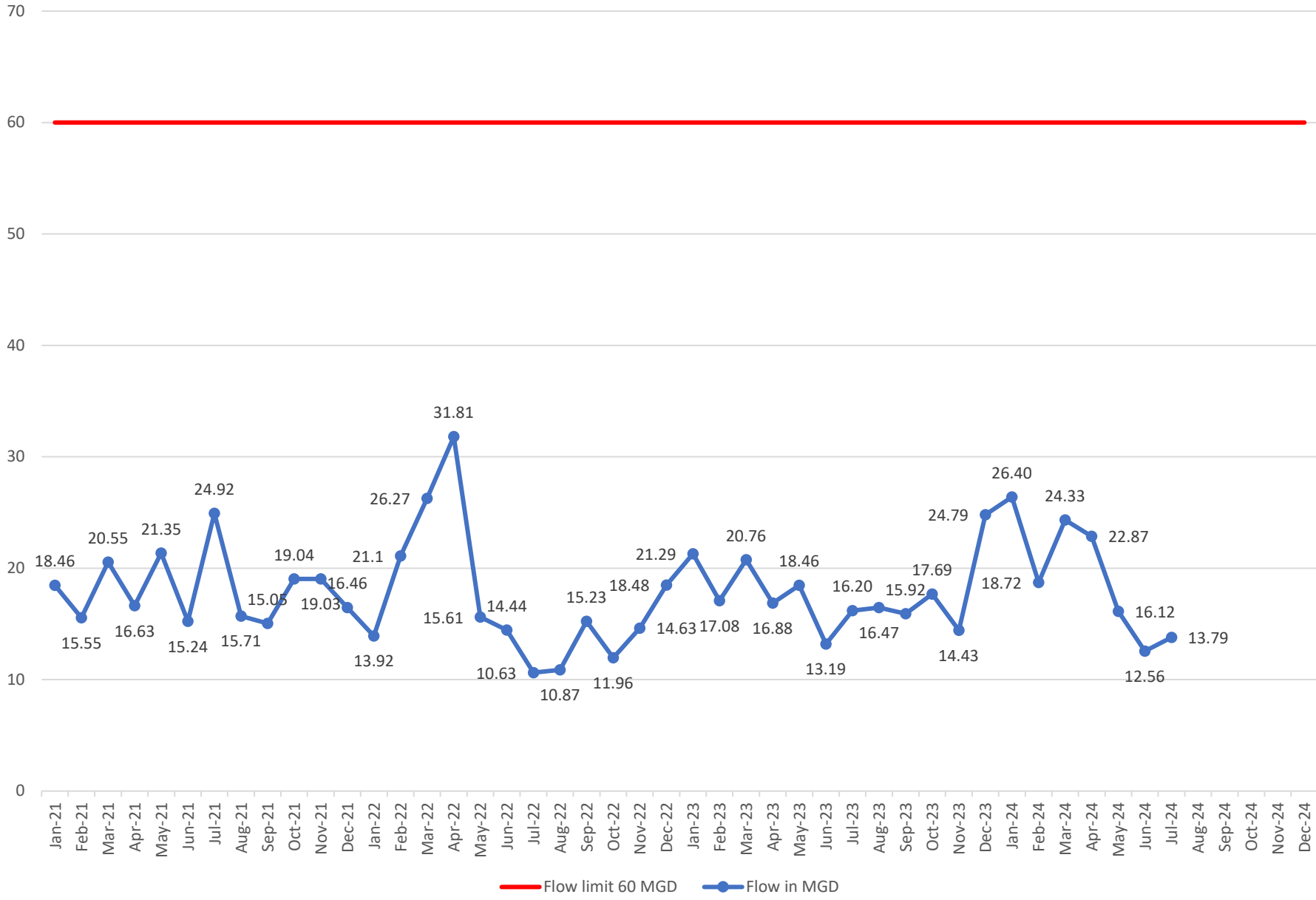
In July we had 2 of our 3 Plant water pumps fail. We contracted with W20 to remove and analyze why they failed and whether to replace or repair them. We brought in Abbey Crane to lift the pumps out of the effluent channel. They were able to get 2 of the pumps out but the third pump pedestal was too small to allow removal. We are investigating our options to remove the pedestal without damaging the pump and or allowing the concrete to fall into the effluent channel.

On 8/11/24 we had an elevating conveyor shaft break again.

Electrical/Instrumentation department was alerted on Friday to a Fiber-Optic cable smoking. Matco electric was called in to help diagnose the cause. This project is ongoing. Mark Freije and Devin Ashman from Matco came out after seeing the pictures of conduit. They said they would be able to help and would get me a Budgetary price for a replacement of Fiber Optic and Power cabling by tomorrow.

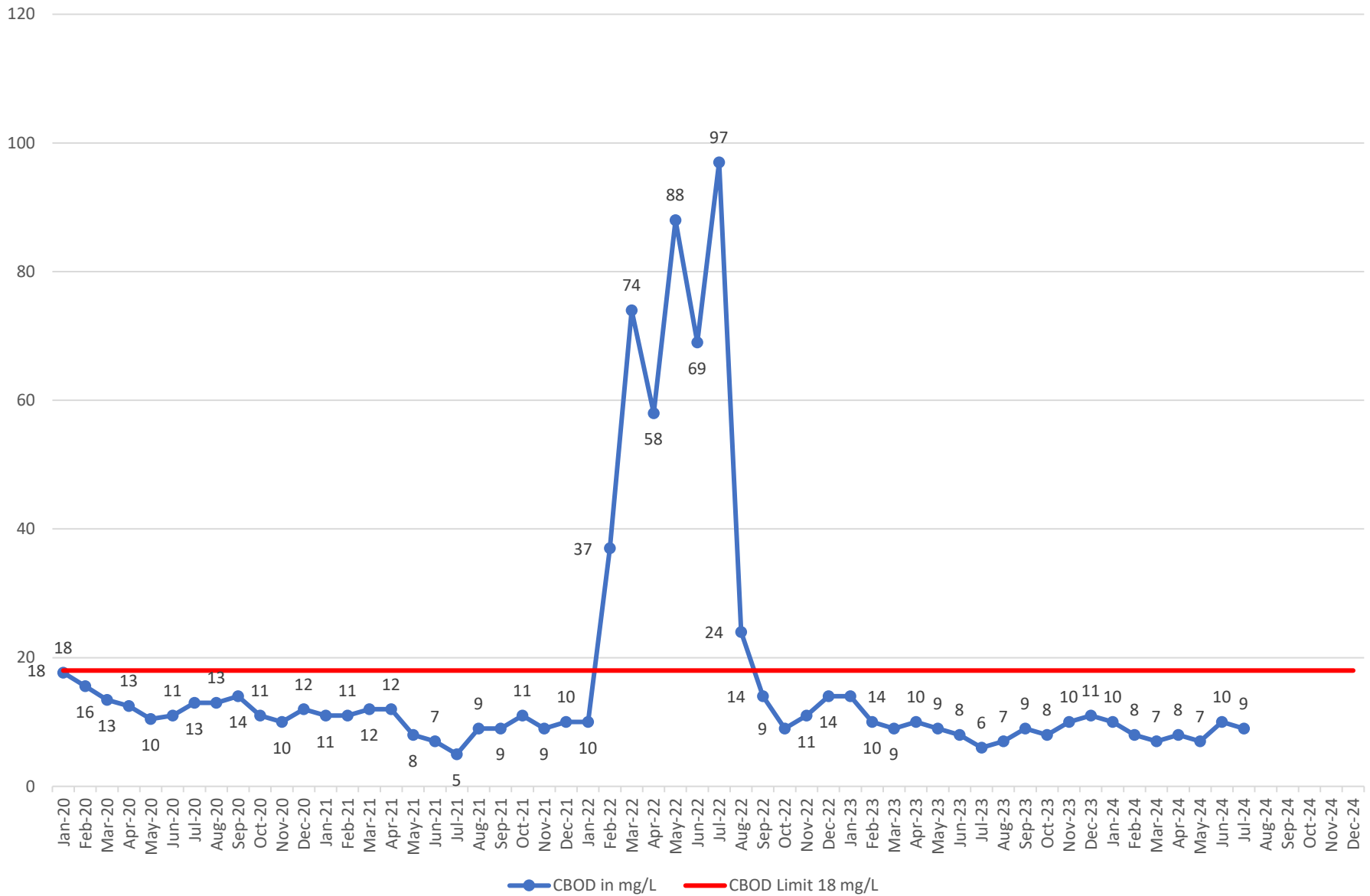
The EPA performed an Industrial pre-treatment program audit, which began Tuesday July 16th with a 2-hour interview, followed by 3 days of on-site inspection. We visited the Binghamton water plant, Frito-Lay, SUNY Binghamton, and TCMF. The written report should be turned over in 3-5 months.

2021-2024 Flow

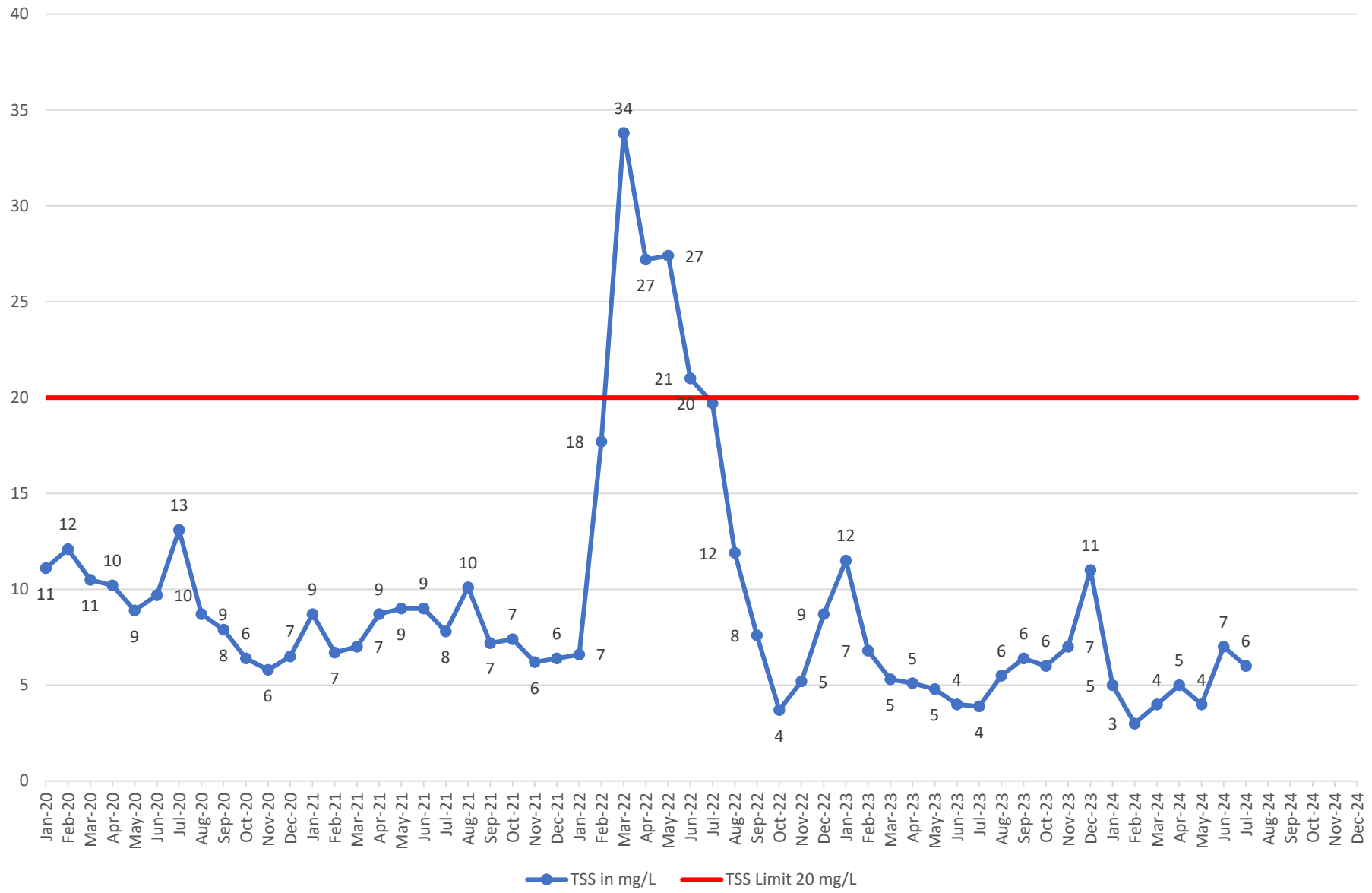


2020-2024 CBOD

Limit = 18 mg/L/Day Monthly Avg

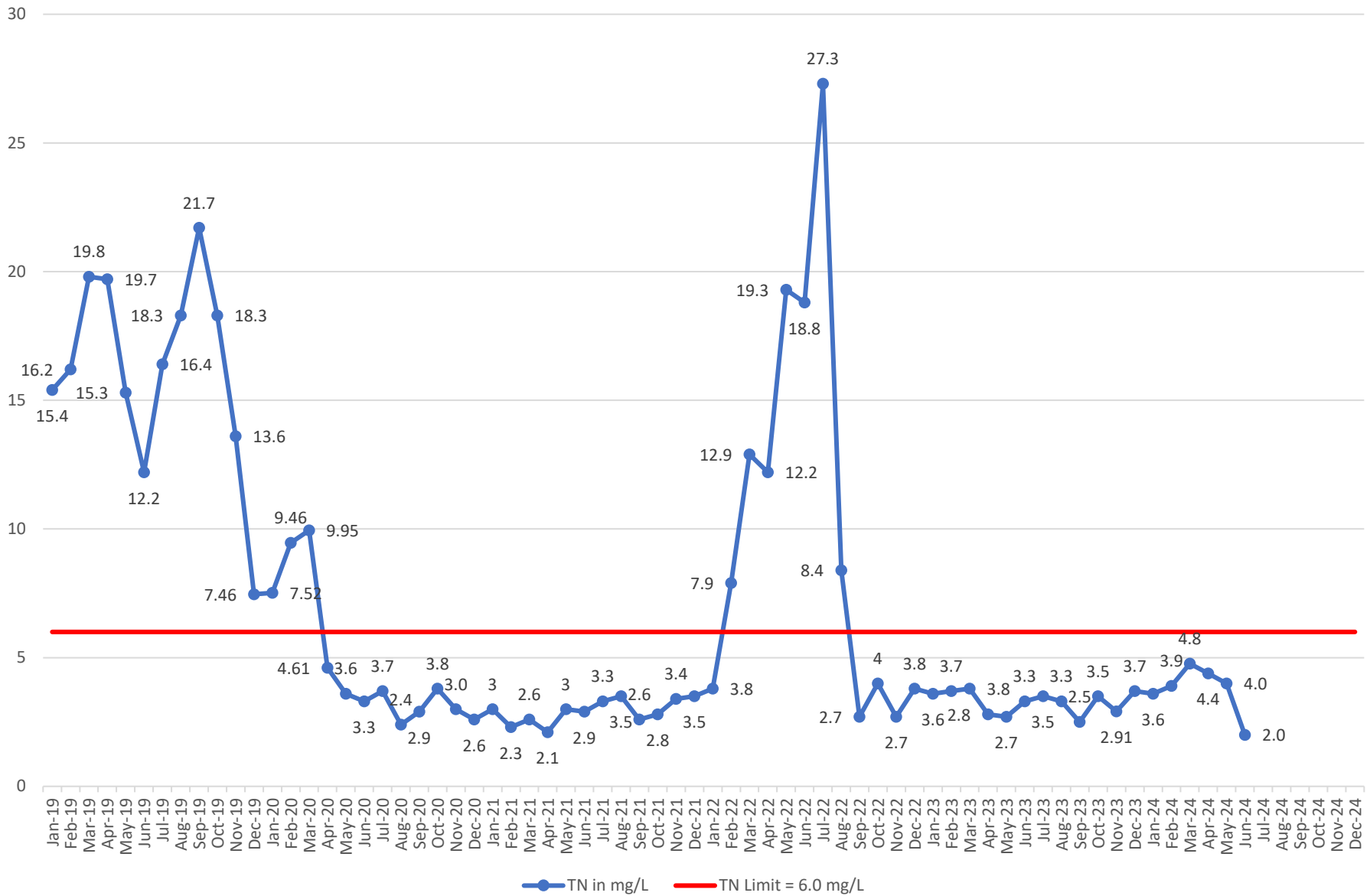


TSS 2020-2024 Limit = 20 mg/L/Day Monthly Avg



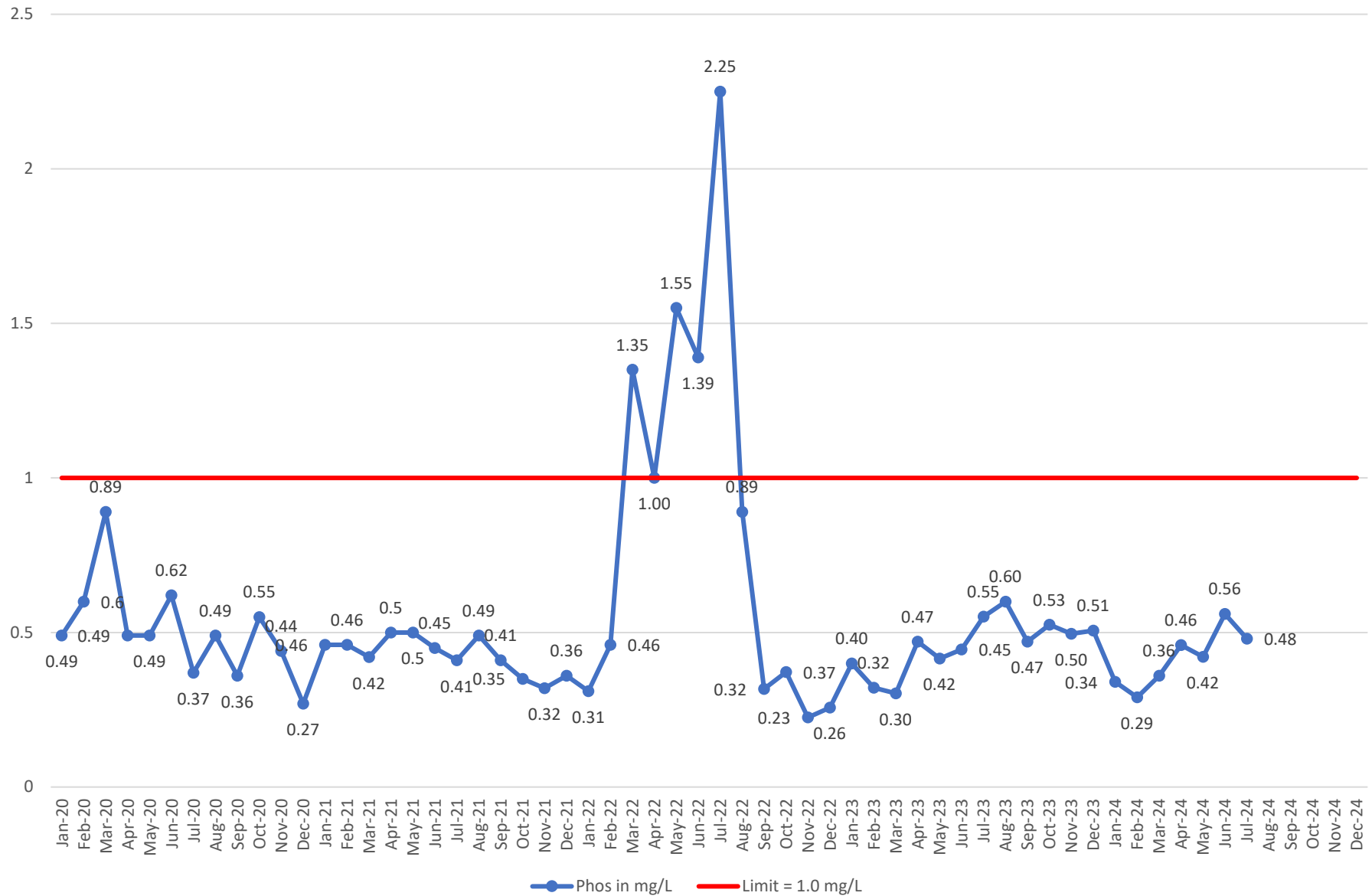
TN 2019-2024

Limit = 6.0 mg/L /Day Monthly Avg



2020-2024 Phos

Limit = 1.0 mg/L/Day Monthly Avg



2020-2024 NH3 in Avg. Lbs/Day Limit = 1800 Lbs/Day

