

September Superintendents report

October 10, 2023

September saw 2.97 Inches, Total plant flow was 477.69 MG with an average daily flow of 15.92 MGD. CBOD of 9 mg/L, Tss of 6 mg/L, TN of 2.6 mg/L with 4 data points to go, Phos of 0.47 mg/L, Ammonia of 0.143 mg/L.

Welliver and plant staff began working on the H-Line repair and support. 10/5/2023 was the 8th day of cure time for channel 1 (North CN Influent channel) Covering was started and on 10/6 we should be ready to set Stop Logs for South influent channel. The work on Channel 9 started concurrent with channel 1 work after inspections by RE Kelley on Channel 1, 9, and 3, 4, and 5. On Tuesday October 3rd. The plant operators set Welliver up for a confined space entry to block off flow to channel 9. Plant operators worked on Sunday and Monday to prepare the tanks and provided the time calculation and eyes on tank Tuesday in support of Welliver's work effort.

On Tuesday September 5th the DEC approved the work plan to limit influent to 55 MGD for work on Channels 1 and 2 Only.

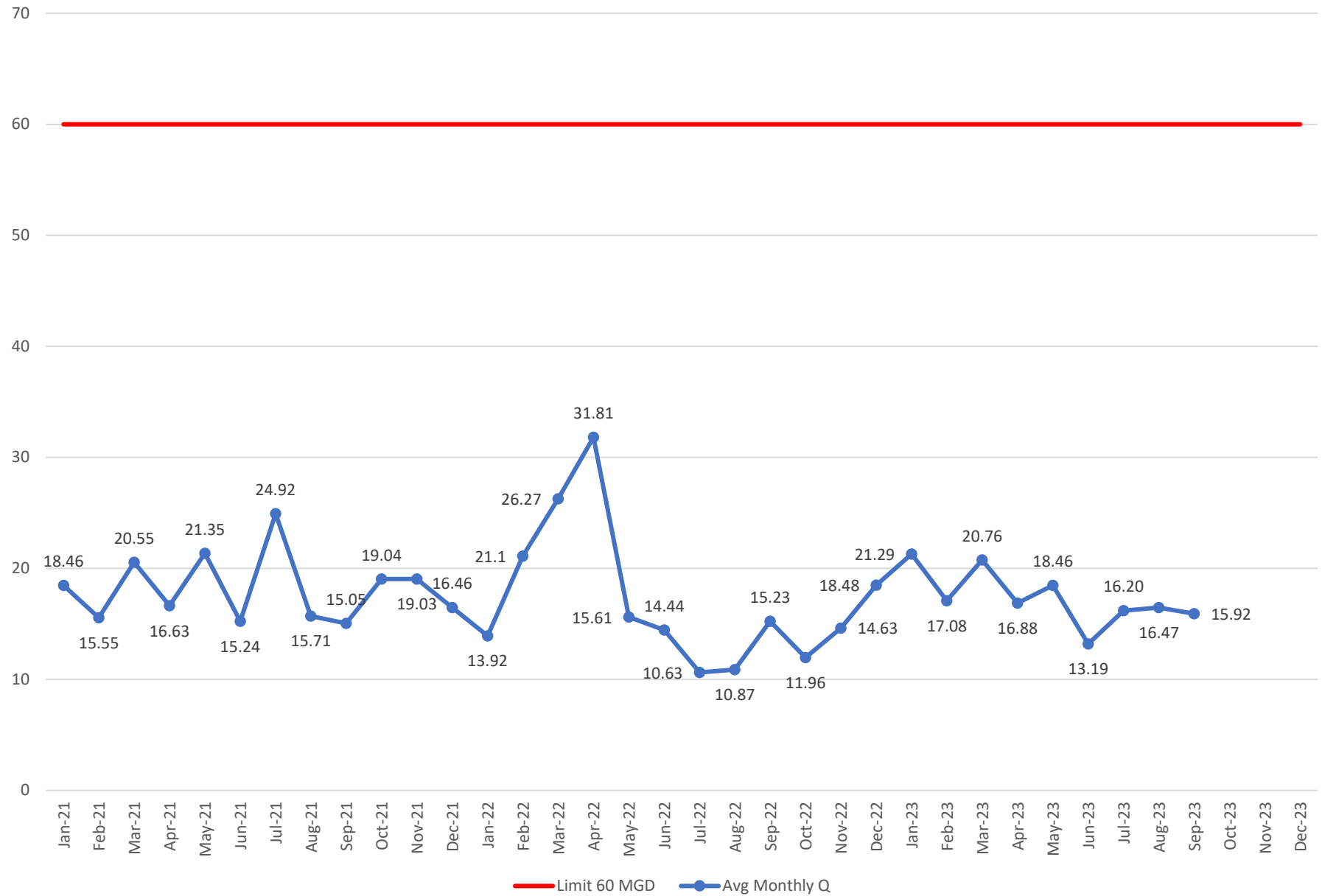
The special board meeting resulted in the board authorizing the use of Welliver and the ok to use \$250,000 from contingency to a line to be used to pay the contractor. Also authorized the use of the Professional services line to pay GHD for its engineering of the pumping plans required for this work.

The DEC will also require a periodic review and status update by an engineer as the work progresses.

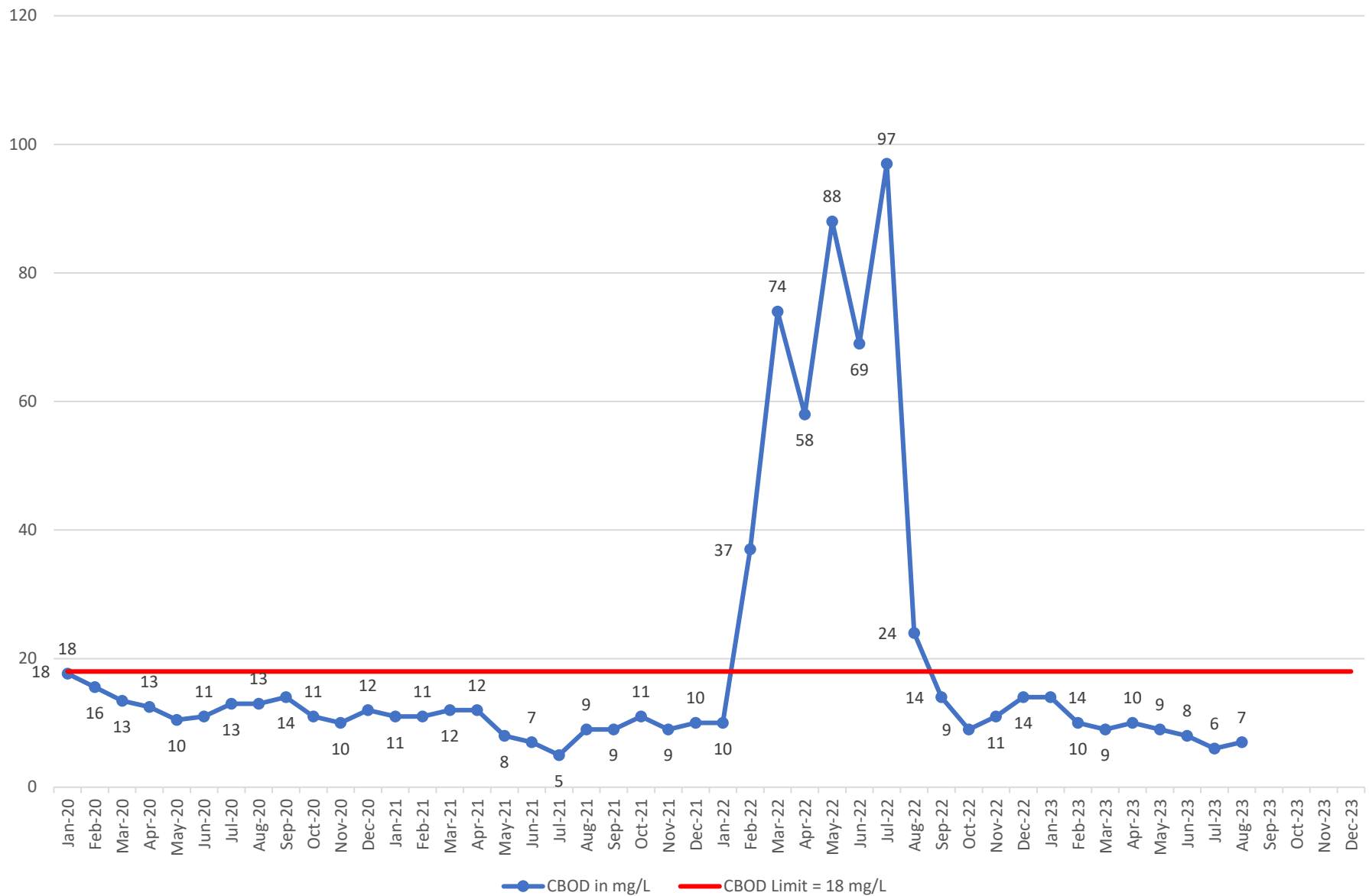
They also require the plant superintendent to provide a daily report containing what work has been accomplished, the daily process data and all processes that are in service or by-passed. This is like the reporting after the February 18 event.

Micro-Turbine underground piping leak was repaired by plant mechanics. Currently the system is working better after RSP responded to requests for them to repair issues.

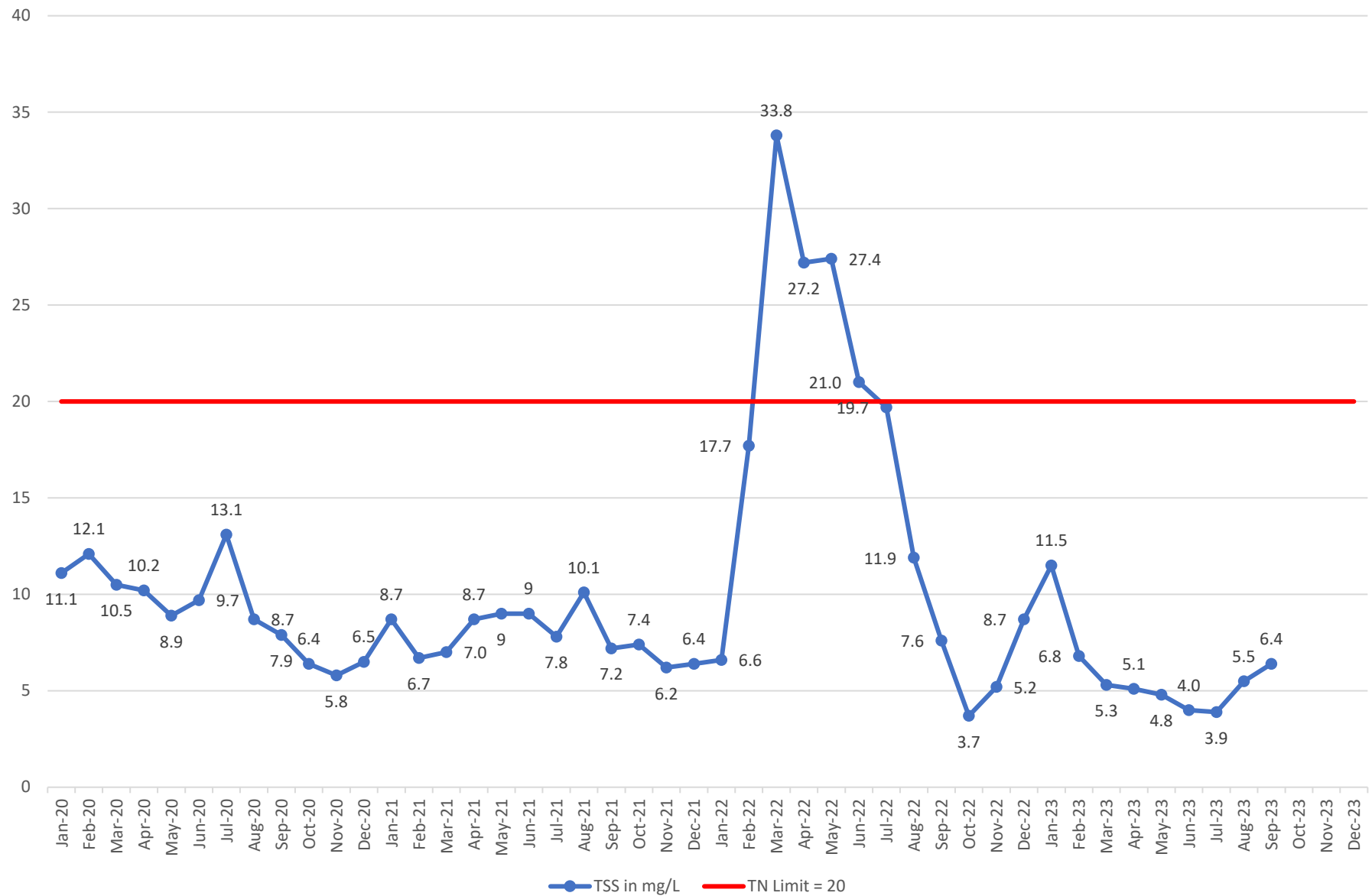
2021-2023 Flow



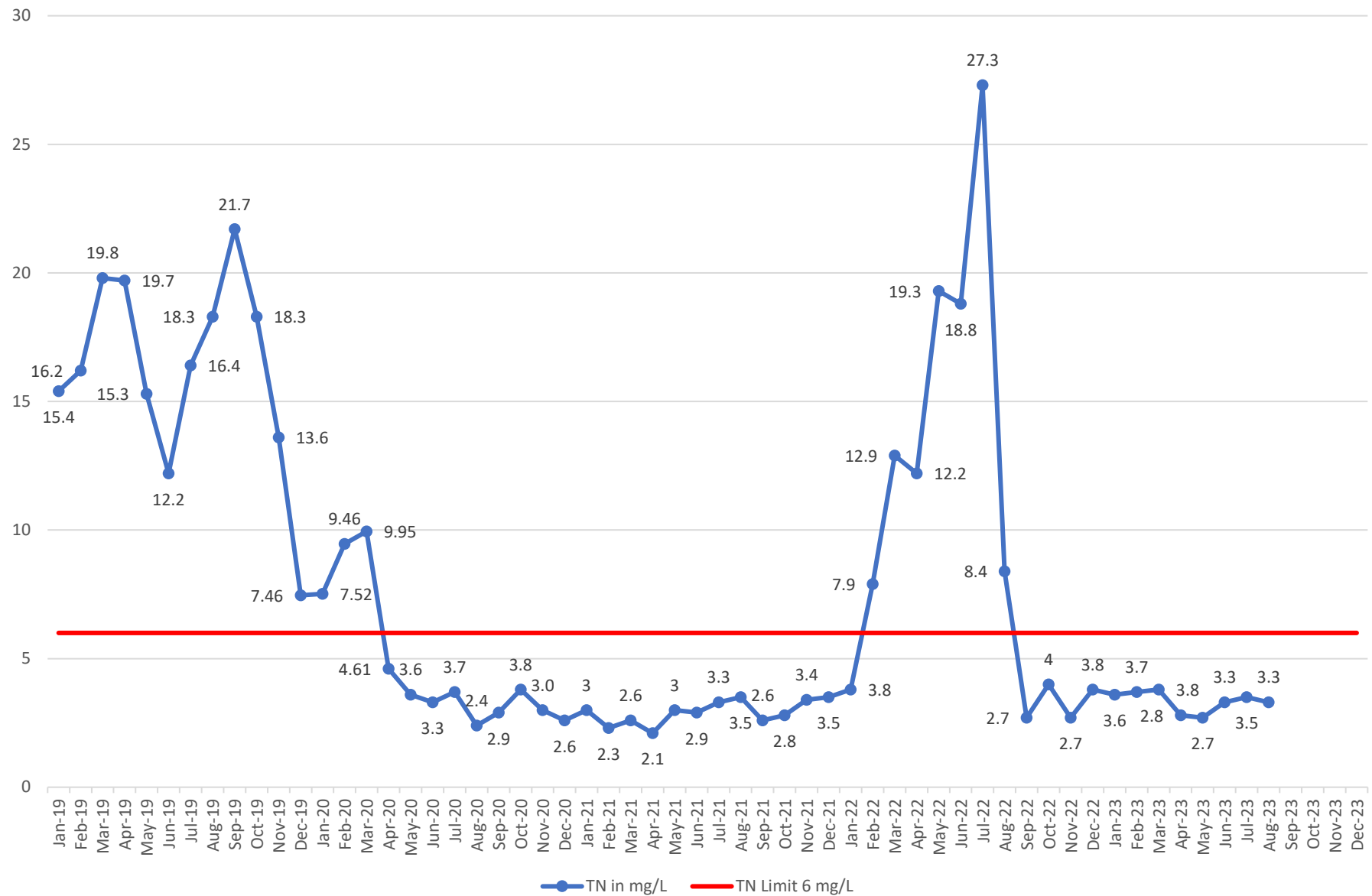
2020-2023 CBOD
Limit = 18 mg/L/Day Monthly Avg



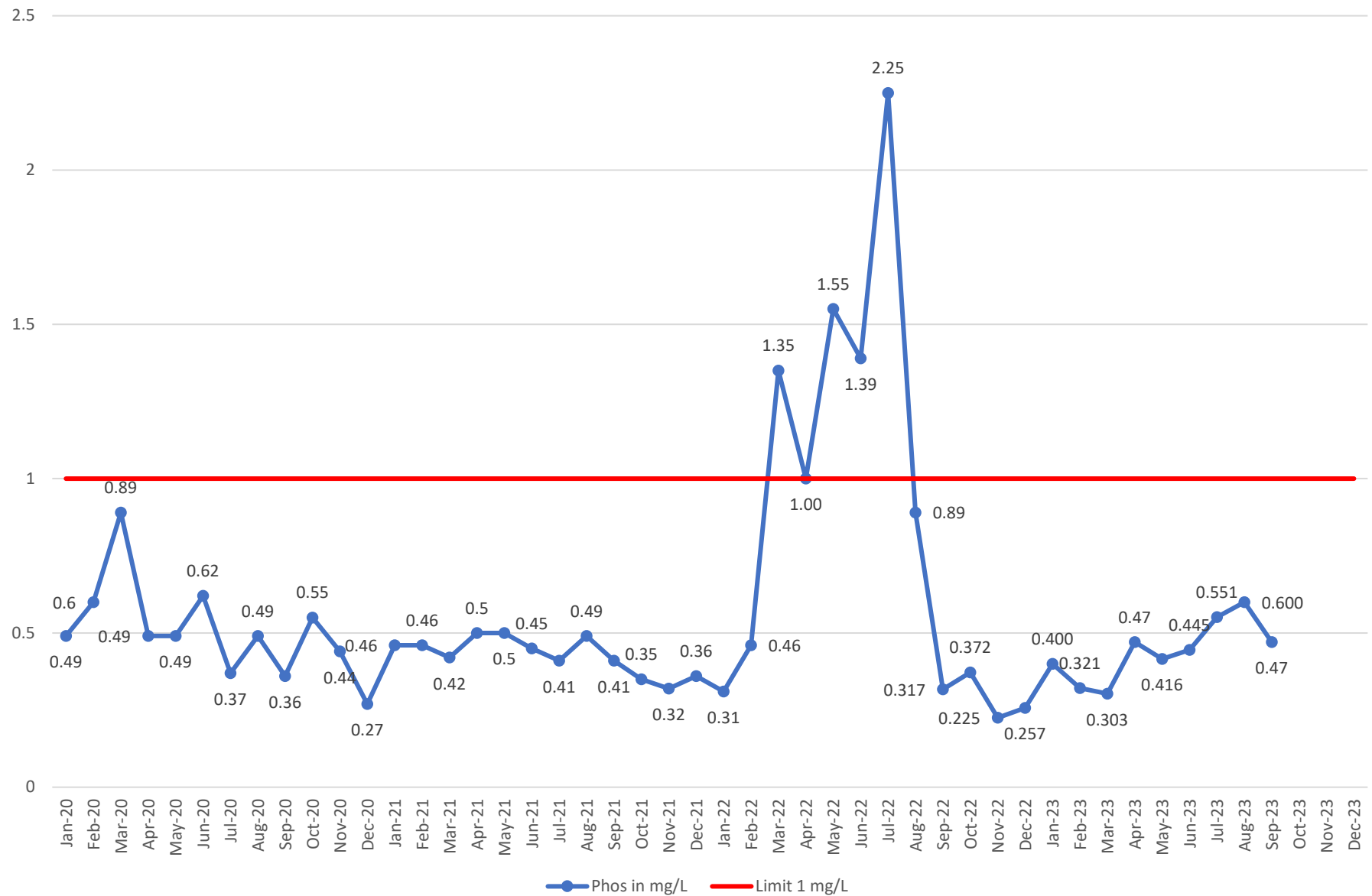
TSS 2020-2023
Limit = 20 mg/L/Day Monthly Avg



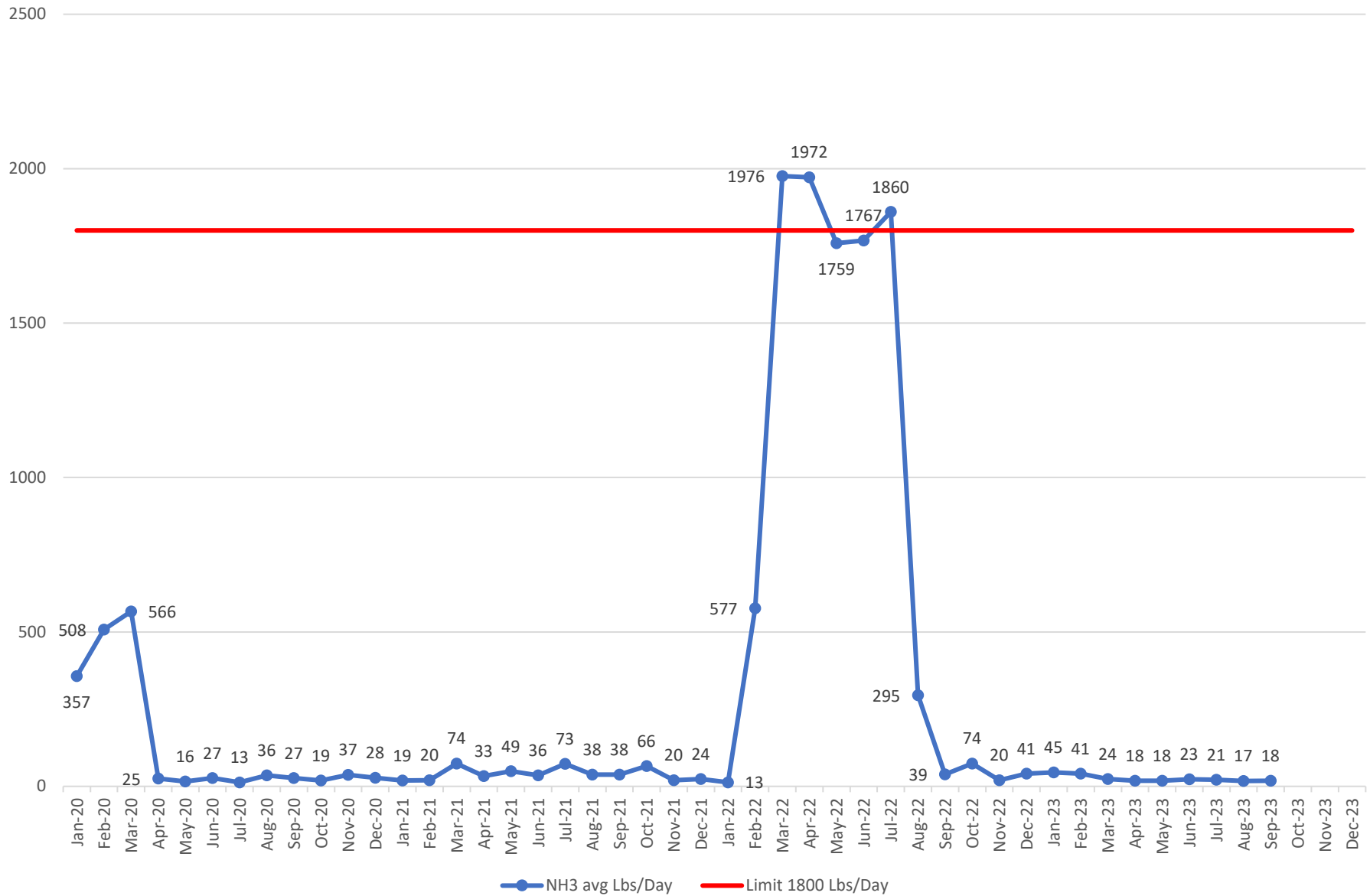
TN 2019-2023
Limit = 6.0 mg/L /Day Monthly Avg



2020-2023 Phos
Limit = 1.0 mg/L/Day Monthly Avg



2020-2023 NH3 in Avg. Lbs/Day
Limit = 1800 Lbs/Day



Superintendents Summary Report for 2023																							
	FLOW	Precip	CBOD5		REM	Tot Susp Solids		REM	Settleable Solids		REM	Total Nitrogen		REM	Phosphorous		REM	Ammonia		REM	TKN		REM
	MGD	Inches	In	out	%	In	out	%	In	out	%	In	out	%	In	out	%	In	out	%	In	out	%
	AVG			limit			limit			limit			limit			limit			limit			limit	
			18 mg/L			20 mg/L			0.3 mL/L			6.0 mg/L			1.0 mg/L			1800 lbs./Day			11000 lbs/Day		
Jan	21.29	3.29	165	14	92%	151	11.5	92%	7.60	0.07	99%	17.9	3.6	80%	3.10	0.400	87%	9.80	0.2	98%	17.5	1.8	90%
Feb	17.08	1.53	198	10	95%	189	6.8	96%	9.50	0.05	99%	22.7	3.7	84%	5.10	0.321	94%	12.9	0.3	98%	22.4	1.5	93%
Mar	20.76	2.82	177	9	95%	183	5.3	97%	8.40	0.03	100%	19.1	3.8	80%	2.78	0.303	89%	10.20	0.14	99%	18.6	1.4	92%
Apr	16.88	3.47	200	10	95%	178	5.1	97%	12.40	0.07	99%	21.9	2.8	87%	3.00	0.470	84%	12.9	0.136	99%	21.8	1.6	93%
May	18.46	0.62	204	9	96%	192	4.8	98%	11.60	0.10	99%	21.9	2.7	88%	3.20	0.416	87%	11.6	0.107	99%	21.7	1.3	94%
Jun	13.19	4.40	201	8	96%	207	4.0	98%	15.00	0.10	99%	21.3	3.3	85%	3.00	0.445	85%	14.5	0.196	99%	21.3	1.6	92%
Jul	16.20	6.82	153	6	96%	170	3.9	98%	12.80	0.10	99%	15.7	3.5	78%	2.42	0.551	77%	8.9	0.160	98%	15.6	1.19	92%
Aug	16.47	4.79	168	7	96%	174	6.0	97%	12.00	0.1	99%	18.1	3.3	82%	2.94	0.600	80%	12.8	0.122	99%	18.0	1.36	92%
Sep	5.92	2.97				163	6.0	96%	17.00	0.1	99%				3.10	0.470	85%	13	0.145	99%			
Oct																							
Nov																							
Dec																							
Avg	16.25	30.71	183	9	95%	179	5.9	97%	11.81	0.08	99%	19.8	3.3	83%	3.18	0.442	85%	11.84	0.17	99%	19.61	1.47	92%
CBOD5, TN and TKN missing 4 or less Data points																							
Ammonia limit equates to approx 6 mg/L monthly Avg. / TKN limit equates to 38 mg/L Monthly Avg.																							
TN limit is 6.0 mg/L From O1A REM = Removal %																							
The Permit for TN = Monitoring Monthly Avg. from Outfall OO1, Not to Exceed 639,261 lbs. as a Rolling 12 Month Avg.																							
Outfall OO1 includes Flow Through O1A (DN cells) and O1B (DN Cell Bypass)																							
These numbers represent Outfall from OO1																							

Landfill 2023 Summary								
Date	Digested	Lime Stab	Solids Total		Bar screen	Grit and Screen		Grease
	Tons	Tons	Tons	Cost	Tons	Tons	Cost	Tons
January	694.60		694.60	\$27,784.00		15.70	\$706.50	
February	572.08		572.08	\$22,883.20		13.97	\$628.65	
March	702.74		702.74	\$28,109.60		25.90	\$1,165.50	
April	584.34		584.34	\$23,373.60		8.63	\$388.35	
May	669.35		669.35	\$26,774.00		28.04	\$1,261.80	
June	708.35		708.35	\$28,334.00		26.26	\$1,181.70	
July	781.79		781.79	\$31,271.60		24.07	\$1,083.15	
August	626.47		626.47	\$25,058.80		38.00	\$1,710.00	
September	629.29		629.29	\$25,171.60		25.36	\$1,153.35	
October								
November								
December								
Average	663.22		663.22	\$26,528.93		22.88	\$1,031.00	
Total	5,969.01		5,969.01	\$238,760.40		205.93	\$9,279.00	
				\$40/Ton			\$45/Ton	
\$248,039.40								
Annual Cost to Date								