

May Superintendents Report

6//2023

May Q = 18.46 mgd. With Max flow reaching 61.47 mgd.

SS = nearly 100% removal, TSS removal was 97%,

CBOD Removal 95%

Phos Removal was 87%, Ammonia Removal was 99%, TN removal -1 data point was 87%.

Senior Operator/Operations dept. have started the return to Summer Methanol dosing rate.

Operations department has continued its effort to achieve the best results possible in the most cost effective we are able.

The Plant employees performed a Major Confined space effort to acquire photographic/Video evidence of, and perform an in-depth inspection, of the H-Line, we plan to share this info with Welliver, GHD and Emseal.

Mechanical and Electrical/Instrumentation departments continue to perform maintenance following our CMMS programs PM scheduler. We continue to add pricing, contact info and notes to the CMMS program. The Facilities Engineer is teaming up with all departments heads to develop an annual building assessment inspection plan.

The Budget process has begun, with Business Manager Goodson leading the way as well as our transition to the Enterprise system and our payroll transition.

Interviews with the potential engineering companies will have taken place on 6/12/2023.

Micro-Turbines produced 93,052 KWH; Solar Produced 9,938 KWH combined approximately 12.5% offset.

CMMS/Mech has passed his civil service test. Another Operator trainee has completed his Sacramento book Coursework. We have had another former employee return to service, Bringing our total employees to 44 of 47.

We will be hosting John Revette on Thursday September 21st for training on Polymer and Chemical methods for phosphorus removal. This will give operators a chance to receive 6 RTCs.

We have put together 4 Training classes for operators based on our plants' processes and operational techniques. We have started sending them in to be validated for RTC hours.

I have been reviewing Mr. Crumbs effort at updating our rules and regulations, as of now I'm up to Article 9 of 14. Completion of this work should be done within the next two weeks.

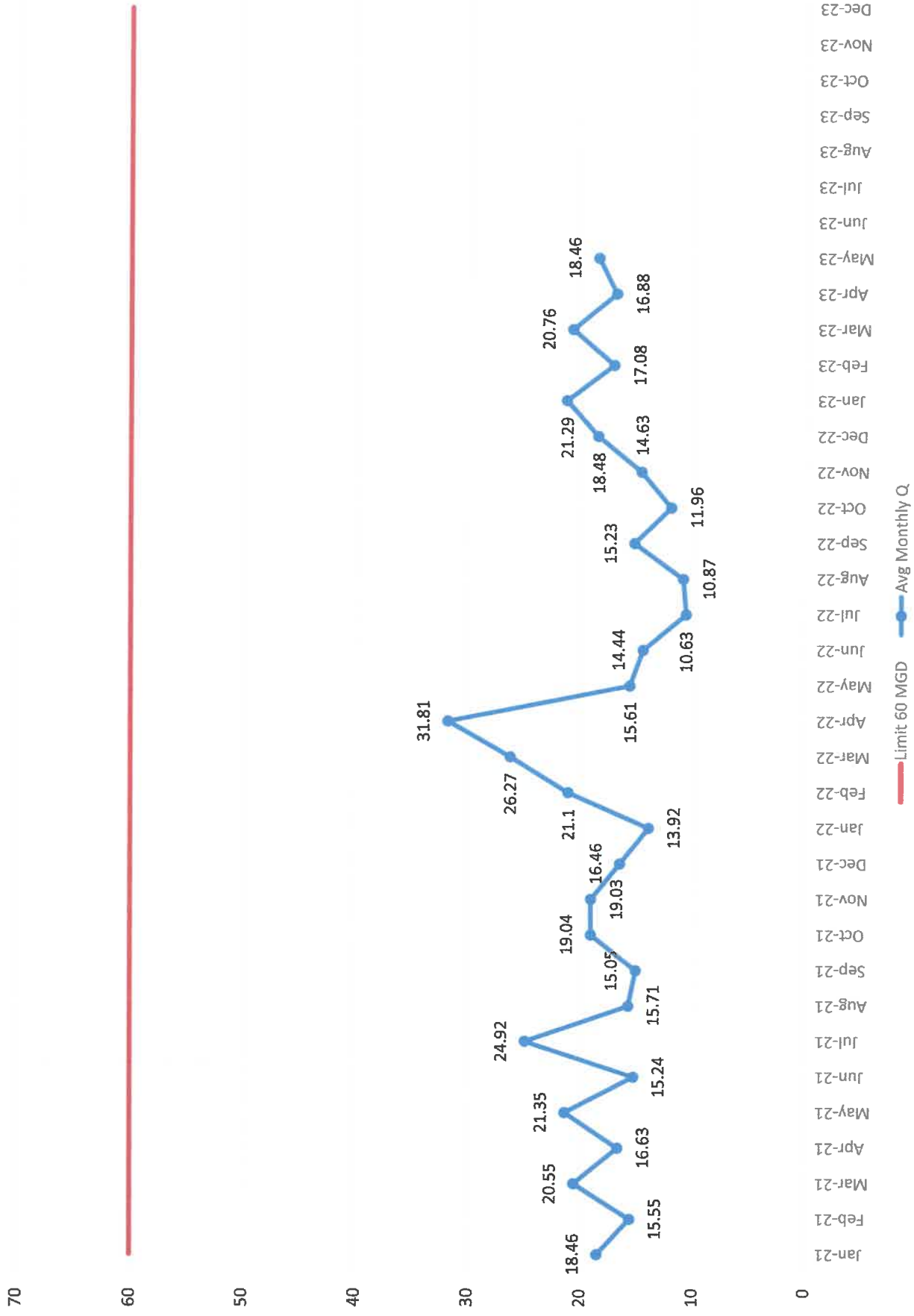
Superintendents Summary Report for 2023

FLOW	Precip Inches	CBOD5		REM		Tot Susp Solids		REM		Settleable Solids		REM		Total Nitrogen		REM		Phosphorous		REM		Ammonia		REM		TKN		REM	
		In	out	limit	%	In	out	limit	%	In	out	limit	%	In	out	limit	%	In	out	limit	In	out	limit	In	out	limit	In		out
AVG		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	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	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	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	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	204	9	96%	192	4.8	98%	11.60	0.10	99%				3.20	0.416	87%	11.6	0.107	99%										
Jun																													
Jul																													
Aug																													
Sep																													
Oct																													
Nov																													
Dec																													
TOT																													
Avg	18.89	189	10	94%	179	6.7	96%	9.90	0.06	99%	20.4	3.5	83%	3.44	0.382	88%	11.48	0.18	98%	20.08	1.58	92%							

With 1 data point missing TN= 2.8 mg/L
 With 1 data point missing TKN= 1.31 mg/L

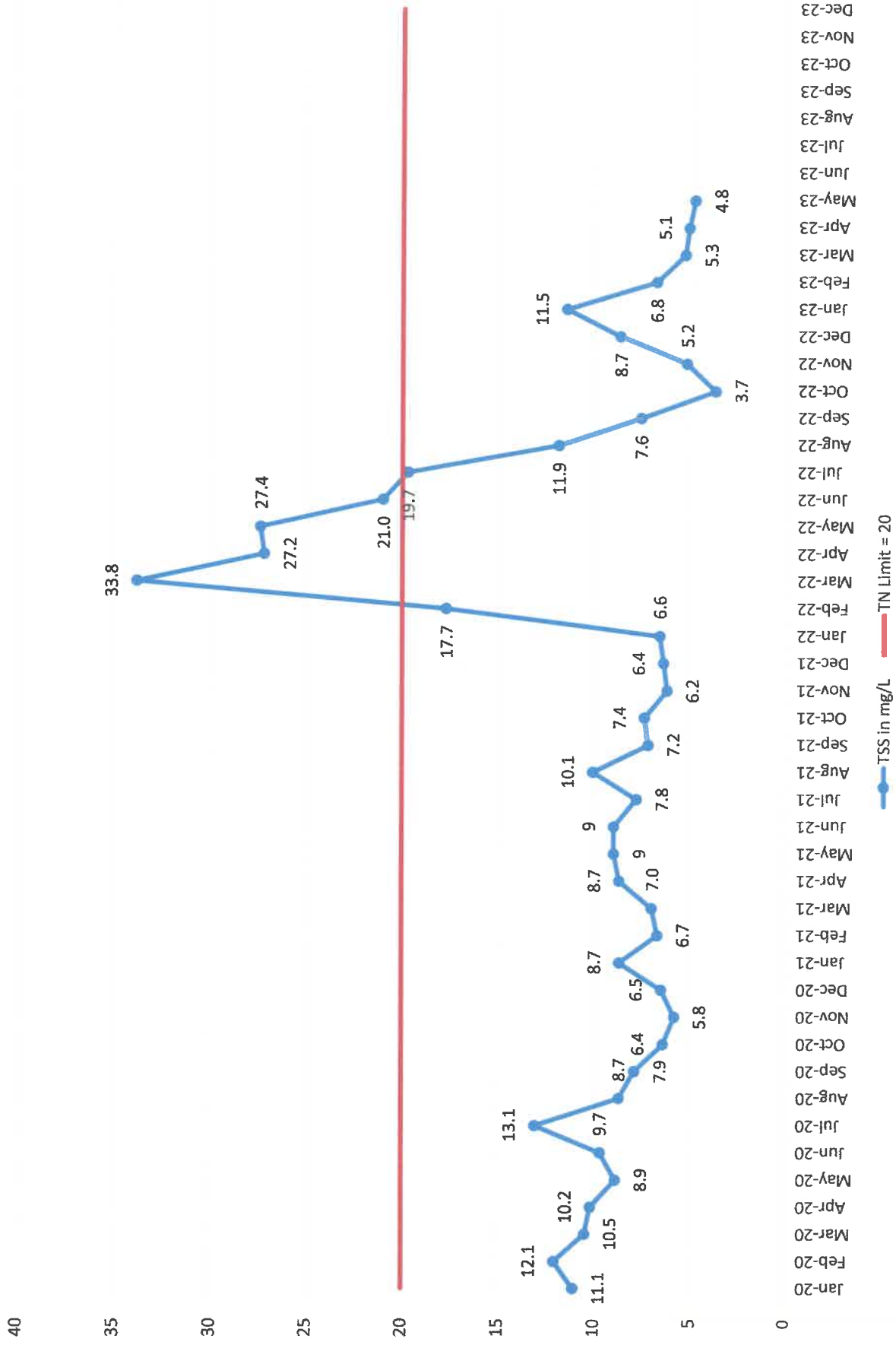
Ammonia limit equates to approx 6 mg/L monthly Avg. / TKN limit equates to 38 mg/L Monthly Avg.
 TN limit is 6.0 mg/L From O1A REM = Removal %
 The Permit for TN = Monitoring Monthly Avg. from Outfall OO1, Not to Exceed 639,261 lbs. as a Rolling 12 Month Avg.
 Outfall OO1 includes Flow Through O1A (DN cells) and O1B (DN Cell Bypass)

2021-2023 Flow



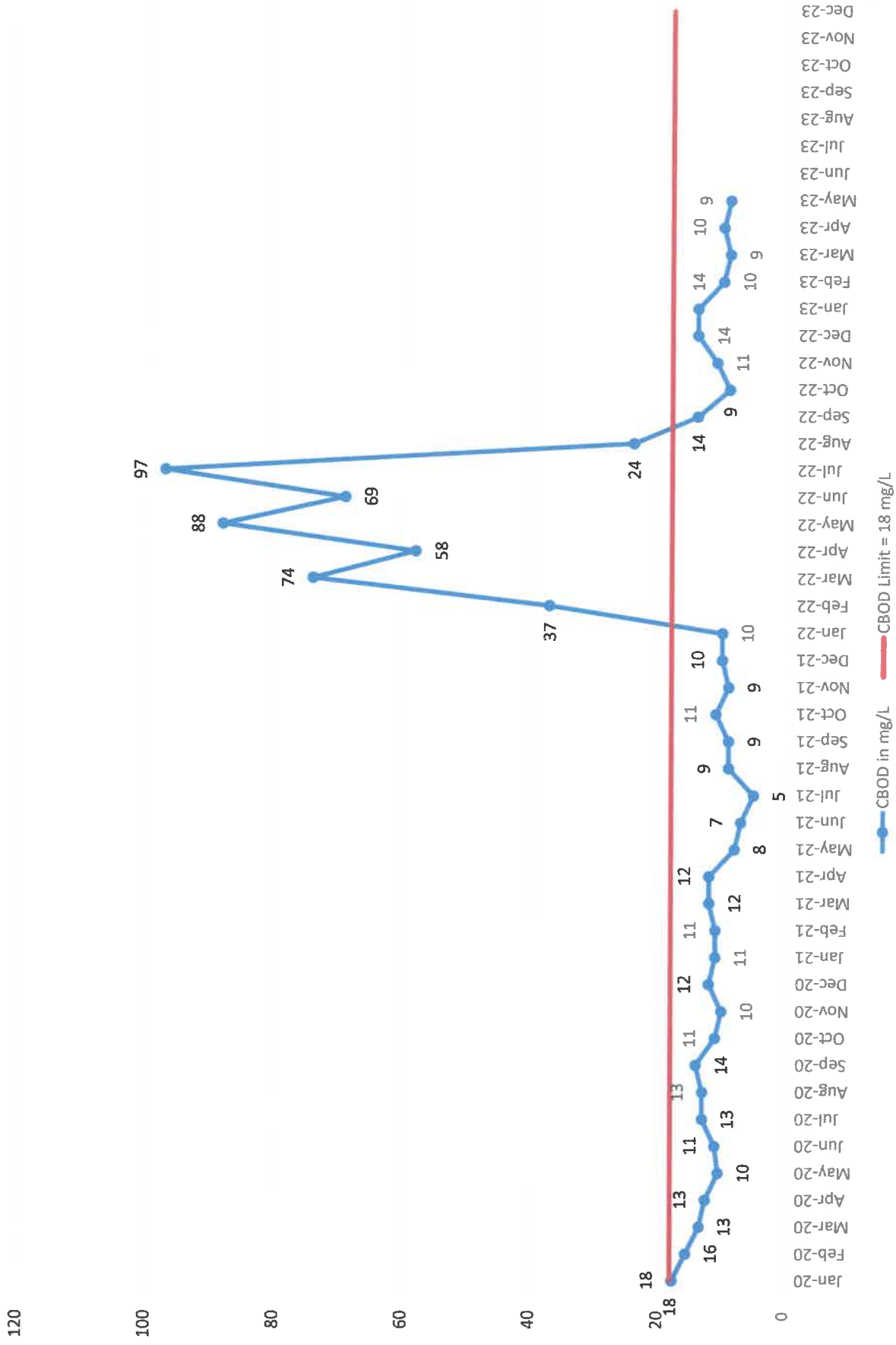
TSS 2020-2023

Limit = 20 mg/L/Day Monthly Avg



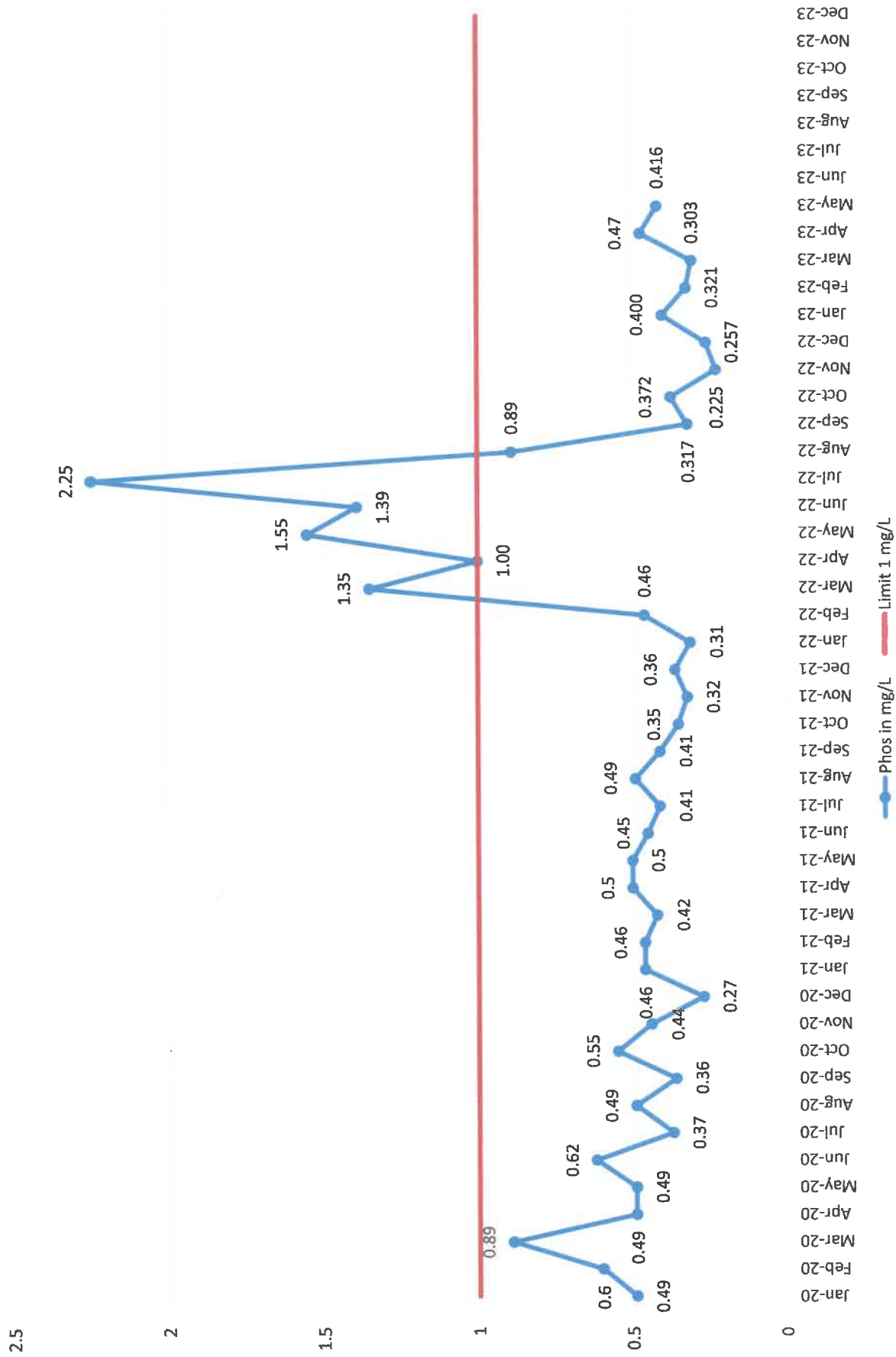
2020-2023 CBOD

Limit = 18 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

