

Facility - AR00

															Ratio of Long Term Effluent Average to Monthly Average Limit					
BOD5	TSS	Copper	Zinc												Baseline Monitoring	100-76% CV<0.2	75-66%	65-50%	49-25%	<25%
3.4	10	2.4	12												1/day	6/wk	5/wk	4/wk	3/wk	1/wk
4.1	10	4.7	10												6/wk	5/wk	4/wk	3/wk	2/wk	1/wk
8.4	10	3.8	10.5												5/wk	4/wk	4/wk	3/wk	2/wk	1/wk
9.4	12	2.9	13.3												4/wk	NR	3/wk	2/wk	1/wk	1/wk
14.1	17	4.3	12.5												3/wk	NR	NR	2/wk	1/wk	1/wk
9.9	23	5.1	22.3												2/wk	NR	NR	1/wk	2/mo	1/mo
14.9	27	5.8	19.5												1/wk	NR	NR	1/wk	2/mo	1/mo
10.2	17	8.3	11.3												2/mo	NR	NR	1/mo	1/2 mo	1/qtr
16.5	29	4.2	10.6												1/mo	NR	NR	1/2 mo	1/qtr	1/6mos
9.8	11	7	12																	
11.7	13	4.8	10																	
8.3	11	6	10.3																	
6.2	14	4.4	16																	
9.7	11	5.4	12												Baseline Monitoring	0-24% CV<0.2	25-34%	35-50%	51-75%	>75%
7.7	13	2.5	10												1/day	6/wk	5/wk	4/wk	3/wk	1/wk
8.1	11.2	4.3	10												6/wk	5/wk	4/wk	3/wk	2/wk	1/wk
7	13.8	3.2	19												5/wk	4/wk	4/wk	3/wk	2/wk	1/wk
11.1	22.1	3.5	23												4/wk	NR	3/wk	2/wk	1/wk	1/wk
12.9	27.1	3.5	11												3/wk	NR	NR	2/wk	1/wk	1/wk
8.5	30.4	4.9	14												2/wk	NR	NR	1/wk	2/mo	1/mo
10	29.8	2.9	34												1/wk	NR	NR	1/wk	2/mo	1/mo
6.8	10.3	2.2	15.5												2/mo	NR	NR	1/mo	1/2 mo	1/qtr
5.7	15.7	2.35	10												1/mo	NR	NR	1/2 mo	1/qtr	1/6mos
10.2	20.1	2.7	26																	
9.36	17.02	4.21	14.78	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	Long-Term Avg. (LTA)					
64.40	119.60	18.75	194.58												Current Permit Limit					
14.5%	14.2%	22.5%	7.6%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	LTA % of Limit*					
3.19	7.14	1.55	6.22	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	σ					
0.34	0.42	0.37	0.42	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	CV					

If a parameter data column HEADING has RED font and PINK background, then NO REDUCTION in monitoring frequency is allowed.

BOD5	TSS	Copper	Zinc																		
3/week	3/week	1/month	1/month																		Old Monitoring Frequencies
1/week	1/week	1/6 months	1/6 months																		New Monitoring Frequencies

This spreadsheet was developed in accordance with Office of Water Quality memorandum "OWQ Monitoring Frequency Reduction Guidelines", June 12, 2020. Final values for New Monitoring Frequencies are the judgment of the permit writer.

COLOR KEY

	User Inputs
	Calculated values

* Since the DO limits are MINIMUM concentration limits, the "LTA % of Limit" calculations have been revised to use 25% GREATER than the limit as the reference point instead of 75% of the limit (same as 25% BELOW the limit). The table for determining Reduced Monitoring Frequencies has been changed accordingly, using the same ranges as the original table, but using 25% as the reference point.