

EF41 - NON-CHROME SLUDGE TESTING RESULTS - 2023

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	HIGH	LOW	AVE
pH - pH Units		11.08			7.25			6.94					11.08	6.94	8.42
Electrical Conductivity - µS/cm		6330			9520			9630					9630	6330	8493.33
Total Kjeldahl Nitrogen - mg/L		340			390			880					880	340	536.67
Total Phosphorus - mg/L		13			30			86					86	13	43.00
Total Suspended Solids - mg/L		6100			3600			3600					6100	3600	4433.33
Total Dissolved Solids (grav) - mg/L		8000			11400			9500					11400	8000	9633
BOD - mg/L		3400			5700			8300					8300	3400	5800.00
COD - mgO ₂ /L		4000			5800			9500					9500	4000	6433.33
Nitrate, NO ₃ - mg/L		0.13			0.005			0.005					0.13	0.005	0.05
Oil & Grease (LLE) - mg/L		464			280			1890					1890	280	878.00
Total S (Sulphur = Sulphate + Sulphite + Sulphide)		1450			2040			2440					2440	1450	1976.67
Chloride - mg/L		960			1300			1700					1700	960	1320.00
Ammonia as N - mg/L		89			98			290					290	89	159.00
Sodium - mg/L		820			1050			1200					1200	820	1023.33
Potassium - mg/L		45			88			100					100	45	77.67
Calcium - mg/L		1560			1450			1460					1560	1450	1490.00
Magnesium - mg/L		1.3			260			160					260	1.3	140.43
Manganese - mg/L		0.07			0.81			17					17	0.07	5.96
Chromium III - mg/L		1			4			30					30	1	11.67
Chromium VI - mg/L		0.001			1			1					1	0.001	0.67
SAR		5.7			6.7			8					8	5.7	6.80
Sulphate, SO ₄ - mg/L		3130			4550			4580					4580	3130	4086.67
Nitrogen Total - mg/L		340			390			880					880	340	536.67
Total Solids - %		1.8			1.9			9.4					9.4	1.8	4.37
Arsenic - mg/Kg		5			5			5					5	5	5.00
Cadmium - mg/Kg		0.5			0.5			0.5					0.5	0.5	0.50
Copper - mg/Kg		1			1			1					1	1	1.00
Lead - mg/Kg		2			2			2					2	2	2.00
Mercury - mg/Kg		0.1			0.1			0.1					0.1	0.1	0.10
Nickel - mg/Kg		1			1			1					1	1	1.00
Zinc - mg/Kg		5			8.4			12.9					12.9	5	8.77
Iron - mg/Kg		2.5			8.2			195					195	2.5	68.57