

**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			6.98		11.08	6.94	8.06
Electrical Conductivity - µS/cm		6330			9520			9630			10400		10400	6330	8970.00
Total Kjeldahl Nitrogen - mg/L		340			390			880			920		920	340	632.50
Total Phosphorus - mg/L		13			30			86			49		86	13	44.50
Total Suspended Solids - mg/L		6100			3600			3600			62200		62200	3600	18875.00
Total Dissolved Solids (grav) - mg/L		8000			11400			9500			8500		11400	8000	9350
BOD - mg/L		3400			5700			8300			11900		11900	3400	7325.00
COD - mgO <sub>2</sub> /L		4000			5800			9500			12000		12000	4000	7825.00
Nitrate, NO <sub>3</sub> - mg/L		0.13			0.005			0.005			0.005		0.13	0.005	0.04
Oil & Grease (LLE) - mg/L		464			280			1890			3370		3370	280	1501.00
Total S (Sulphur = Sulphate + Sulphite + Sulphide)		1450			2040			2440			7090		7090	1450	3255.00
Chloride - mg/L		960			1300			1700			1500		1700	960	1365.00
Ammonia as N - mg/L		89			98			290			420		420	89	224.25
Sodium - mg/L		820			1050			1200			1330		1330	820	1100.00
Potassium - mg/L		45			88			100			150		150	45	95.75
Calcium - mg/L		1560			1450			1460			1330		1560	1330	1450.00
Magnesium - mg/L		1.3			260			160			470		470	1.3	222.83
Manganese - mg/L		0.07			0.81			17			11		17	0.07	7.22
Chromium III - mg/L		1			4			30			37		37	1	18.00
Chromium VI - mg/L		0.001			1			1			1		1	0.001	0.75
SAR		5.7			6.7			8			8		8	5.7	7.10
Sulphate, SO <sub>4</sub> - mg/L		3130			4550			4580			4180		4580	3130	4110.00
Nitrogen Total - mg/L		340			390			880			920		920	340	632.50
Total Solids - %		1.8			1.9			9.4			9.6		9.6	1.8	5.68
Arsenic - mg/Kg		5			5			5			5		5	5	5.00
Cadmium - mg/Kg		0.5			0.5			0.5			0.5		0.5	0.5	0.50
Copper - mg/Kg		1			1			1			1		1	1	1.00
Lead - mg/Kg		2			2			2			2		2	2	2.00
Mercury - mg/Kg		0.1			0.1			0.1			0.1		0.1	0.1	0.10
Nickel - mg/Kg		1			1			1			1		1	1	1.00
Zinc - mg/Kg		5			8.4			12.9			15.9		15.9	5	10.55
Iron - mg/Kg		2.5			8.2			195			255		255	2.5	115.18