

EF41 - NON-CHROME SLUDGE TESTING RESULTS - 2024

Approved By: General Manager

Version: 2

Issue Date: 04 April 2024

Review Date: 04 April 2027



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	HIGH	LOW	AVE
pH - pH Units		6.75			6.65			11.82					11.82	6.65	8.41
Electrical Conductivity - µS/cm		8630			7360			7180					8630	7180	7723.33
Total Kjeldahl Nitrogen - mg/L		650			420			660					660	420	576.67
Total Phosphorus - mg/L		64			36			19					64	19	39.67
Total Suspended Solids - mg/L		13500			2800			2000					13500	2000	6100.00
Total Dissolved Solids (grav) - mg/L		9900			9300			12400					12400	9300	10533
BOD - mg/L		8300			23300			4300					23300	4300	11966.67
COD - mgO ₂ /L		8800			29500			7800					29500	7800	15366.67
Nitrate, NO ₃ - mg/L		0.02			0.67			0.075					0.67	0.02	0.26
Oil & Grease (LLE) - mg/L		985			1310			192					1310	192	829.00
Total S (Sulphur = Sulphate + Sulphite + Sulphide)		850			290			920					920	290	686.67
Chloride - mg/L		1000			780			2100					2100	780	1293.33
Ammonia as N - mg/L		310			390			84					390	84	261.33
Sodium - mg/L		1070			760			1490					1490	760	1106.67
Potassium - mg/L		130			120			76					130	76	108.67
Calcium - mg/L		1020			630			520					1020	520	723.33
Magnesium - mg/L		100			260			0.71					260	0.71	120.24
Manganese - mg/L		0.35			0.9			1.2					1.2	0.35	0.82
Chromium III - mg/L		5			1			1					5	1	2.33
Chromium VI - mg/L		1			1			1					1	1	1.00
SAR		8.6			6.4			18					18	6.4	11.00
Sulphate, SO ₄ - mg/L		2860			250			1730					2860	250	1613.33
Nitrogen Total - mg/L		650			420			660					660	420	576.67
Total Solids - %		0.8			0.9			1.2					1.2	0.8	0.97
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		6			7			5					7	5	6.00
Iron - mg/Kg		46.6			18			2.8					46.6	2.8	22.47