

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			7.11		11.82	6.65	8.08
Electrical Conductivity - µS/cm		8630			7360			7180			7260		8630	7180	7607.50
Total Kjeldahl Nitrogen - mg/L		650			420			660			520		660	420	562.50
Total Phosphorus - mg/L		64			36			19			43		64	19	40.50
Total Suspended Solids - mg/L		13500			2800			2000			11600		13500	2000	7475.00
Total Dissolved Solids (grav) - mg/L		9900			9300			12400			9100		12400	9100	10175
BOD - mg/L		8300			23300			4300			8100		23300	4300	11000.00
COD - mgO ₂ /L		8800			29500			7800			11000		29500	7800	14275.00
Nitrate, NO ₃ - mg/L		0.02			0.67			0.075			0.047		0.67	0.02	0.20
Oil & Grease (LLE) - mg/L		985			1310			192			285		1310	192	693.00
Total S (Sulphur = Sulphate + Sulphite + Sulphide)		850			290			920			5480		5480	290	1885.00
Chloride - mg/L		1000			780			2100			1300		2100	780	1295.00
Ammonia as N - mg/L		310			390			84			180		390	84	241.00
Sodium - mg/L		1070			760			1490			1050		1490	760	1092.50
Potassium - mg/L		130			120			76			140		140	76	116.50
Calcium - mg/L		1020			630			520			1080		1080	520	812.50
Magnesium - mg/L		100			260			0.71			69		260	0.71	107.43
Manganese - mg/L		0.35			0.9			1.2			0.79		1.2	0.35	0.81
Chromium III - mg/L		5			1			1			4.7		5	1	2.93
Chromium VI - mg/L		1			1			1			0.002		1	0.002	0.75
SAR		8.6			6.4			18			8.4		18	6.4	10.35
Sulphate, SO ₄ - mg/L		2860			250			1730			3280		3280	250	2030.00
Nitrogen Total - mg/L		650			420			660			520		660	420	562.50
Total Solids - %		0.8			0.9			1.2			2.1		2.1	0.8	1.25
Arsenic - mg/Kg		5			5			5			0.05		5	0.05	3.76
Cadmium - mg/Kg		0.5			0.5			0.5			0.01		0.5	0.01	0.38
Copper - mg/Kg		1			1			1			0.17		1	0.17	0.79
Lead - mg/Kg		2			2			2			0.02		2	0.02	1.51
Mercury - mg/Kg		0.1			0.1			0.1			0.1		0.1	0.1	0.10
Nickel - mg/Kg		1			1			1			0.03		1	0.03	0.76
Zinc - mg/Kg		6			7			5			1.9		7	1.9	4.98
Iron - mg/Kg		46.6			18			2.8			18		46.6	2.8	21.35

EPA ID LOCATION: 23
EPA LICENSE NUMBER: 3465