

EF41 - NON-CHROME SLUDGE TESTING RESULTS - 2021

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	HIGH	LOW	AVE
pH - pH Units	7.3	6.2	7.9	7.97	6.95	6.96							7.97	6.2	7.21
Electrical Conductivity - µS/cm	7180	8980	8140	9180	7500	8920							9180	7180	8316.67
Total Kjeldahl Nitrogen - mg/L	487	674	653	700	640	560							700	487	619.00
Total Phosphorus - mg/L	28.3	36.7	15.6	12	34	44							44	12	28.43
Total Suspended Solids - mg/L	1430	6040	1320	2200	2100	8100							8100	1320	3531.67
Total Dissolved Solids (grav) - mg/L	5900	5100	6680	5800	8900	7000							8900	5100	6563
BOD - mg/L	3590	4080	4110	6000	9700	7600							9700	3590	5846.67
COD - mgO ₂ /L	11400	8040	10800	8600	14900	16100							16100	8040	11640.00
Nitrate, NO ₃ - mg/L	3.59	2.61	0.22	0.005	1	0.5							3.59	0.005	1.32
Oil & Grease (LLE) - mg/L	913	190	548	5100	8860	2370							8860	190	2996.83
Total S (Sulphur = Sulphate + Sulphite + Sulphide)	329	556	314	280	300	490							556	280	378.17
Chloride - mg/L	1082	914	618	1300	860	1200							1300	618	995.67
Ammonia as N - mg/L	186	426	145	700	630	410							700	145	416.17
Sodium - mg/L	1051	1149	1098	1270	1020	1200							1270	1020	1131.33
Potassium - mg/L	101	52.8	91.4	110	77	100							110	52.8	88.70
Calcium - mg/L	137	217	623	160	310	220							623	137	277.83
Magnesium - mg/L	30.9	131	27	34	240	66							240	27	88.15
Manganese - mg/L	0.297	0.928	0.754	0.29	1.5	2							2	0.29	0.96
Chromium III - mg/L	0.2	0.36	0.15	1	5	230							230	0.15	39.45
Chromium VI - mg/L	0.1	0.01	0.1	1	0.002	1							1	0.002	0.37
SAR	21	15	12	23.8	10.6	18.2							23.8	10.6	16.77
Sulphate, SO ₄ - mg/L	744	790	564	740	840	830							840	564	751.33
Nitrogen Total - mg/L	488	674	653	700	640	560							700	488	619.17
Total Solids - %	15	1.9	1.4	0.8	2	1.8							15	0.8	3.82
Arsenic - mg/Kg	5	24	21	5	5	6							24	5	11.00
Cadmium - mg/Kg	1	12	10	0.5	0.5	2							12	0.5	4.33
Copper - mg/Kg	5	24	21	1	1	3.5							24	1	9.25
Lead - mg/Kg	5	24	21	2	2	17.3							24	2	11.88
Mercury - mg/Kg	0.1	0.9	1	2	2	1							2	0.1	1.17
Nickel - mg/Kg	2	24	21	1	1	2							24	1	8.50
Zinc - mg/Kg	5	29	64	5	5	42.2							64	5	25.03
Iron - mg/Kg	80	140	50	3.4	9.1	766							766	3.4	174.75