

# EF40 - IRRIGATION EFFLUENT 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
Ammonia as N in water - mg/L		430			340			160					430	160	310.00
BOD - mg/L		5000			4200			3300					5000	3300	4166.67
Chloride - mg/L		1500			970			1500					1500	970	1323.33
Chromium Total - mg/L		0.16			0.062			0.201					0.201	0.062	0.14
Electrical Conductivity - µS/cm		8820			7160			8290					8820	7160	8090.00
Oil & Grease (LLE) - mg/L		224			270			76					270	76	190.00
pH - pH Units		6.71			8.79			7.48					8.79	6.71	7.66
Total Phosphorus - mg/L		19			6.3			19					19	6.3	14.77
Sodium - mg/L		880			950			1280					1280	880	1036.67
Sulphate, SO <sub>4</sub> - mg/L		2610			1350			3140					3140	1350	2366.67
Total Kjeldahl Nitrogen - mg/L		680			680			1500					1500	680	953.33
Nitrogen Total - mg/L		680			680			1490					1490	680	950.00
Nitrate, NO <sub>3</sub> - mg/L		0.005			0.7			0.005					0.7	0.005	0.24
Nitrite, NO <sub>2</sub> - mg/L		0.16			0.34			0.2					0.34	0.16	0.23
Total Suspended Solids @ 103-105°C - mg/L		2900			2000			2400					2900	2000	2433.33
Total Dissolved Solids (grav) - mg/L		8800			4500			9200					9200	4500	7500.00
Sulphide, S <sub>2</sub> - mg/L		191			133			10.4					191	10.4	111.47
Sulphite, SO <sub>3</sub> - mg/L		400			250			400					400	250	350.00
Sulphur, S - mg/L		1520			540			2700					2700	540	1586.67
Hexavalent Chromium, Cr <sub>6+</sub> - mg/L		0.002			0.002			0.009					0.009	0.002	0.00
COD - mgO <sub>2</sub> /L		5600			4600			7200					7200	4600	5800.00
Potassium - mg/L		62			100			120					120	62	94.00
Calcium - mg/L		420			94			480					480	94	331.33
Magnesium - mg/L		21			12			22					22	12	18.33
Manganese - mg/L		23			29			87					87	23	46.33
SAR		11.4			24.5			15.5					24.5	11.4	17.13

EPA ID LOCATION: 13  
EPA LICENSE NUMBER: 3465