

# 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			350		430	160	320.00
BOD - mg/L		5000			4200			3300			2300		5000	2300	3700.00
Chloride - mg/L		1500			970			1500			1400		1500	970	1342.50
Chromium Total - mg/L		0.16			0.062			0.201			0.22		0.22	0.062	0.16
Electrical Conductivity - µS/cm		8820			7160			8290			6800		8820	6800	7767.50
Oil & Grease (LLE) - mg/L		224			270			76			57		270	57	156.75
pH - pH Units		6.71			8.79			7.48			7.17		8.79	6.71	7.54
Total Phosphorus - mg/L		19			6.3			19			21		21	6.3	16.33
Sodium - mg/L		880			950			1280			860		1280	860	992.50
Sulphate, SO <sub>4</sub> - mg/L		2610			1350			3140			2750		3140	1350	2462.50
Total Kjeldahl Nitrogen - mg/L		680			680			1500			490		1500	490	837.50
Nitrogen Total - mg/L		680			680			1490			490		1490	490	835.00
Nitrate, NO <sub>3</sub> - mg/L		0.005			0.7			0.005			0.005		0.7	0.005	0.18
Nitrite, NO <sub>2</sub> - mg/L		0.16			0.34			0.2			0.35		0.35	0.16	0.26
Total Suspended Solids @ 103-105°C - mg/L		2900			2000			2400			1500		2900	1500	2200.00
Total Dissolved Solids (grav) - mg/L		8800			4500			9200			10500		10500	4500	8250.00
Sulphide, S <sub>2</sub> - mg/L		191			133			10.4			142		191	10.4	119.10
Sulphite, SO <sub>3</sub> - mg/L		400			250			400			575		575	250	406.25
Sulphur, S - mg/L		1520			540			2700			1230		2700	540	1497.50
Hexavalent Chromium, Cr <sub>6+</sub> - mg/L		0.002			0.002			0.009			0.002		0.009	0.002	0.00
COD - mgO <sub>2</sub> /L		5600			4600			7200			6900		7200	4600	6075.00
Potassium - mg/L		62			100			120			85		120	62	91.75
Calcium - mg/L		420			94			480			580		580	94	393.50
Magnesium - mg/L		21			12			22			14		22	12	17.25
Manganese - mg/L		23			29			87			0.17		87	0.17	34.79
SAR		11.4			24.5			15.5			9.6		24.5	9.6	15.25

EPA ID LOCATION: 13  
EPA LICENSE NUMBER: 3465