

EF40 - IRRIGATION EFFLUENT TESTING RESULTS - 2023

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	HIGH	LOW	AVE
Ammonia as N in water - mg/L		370			250			300			430		430	250	337.50
BOD - mg/L		2500			5900			5300			4100		5900	2500	4450.00
Chloride - mg/L		1200			1800			1700			1500		1800	1200	1550.00
Chromium Total - mg/L		0.21			1			0.14			0.3		1	0.14	0.41
Electrical Conductivity - µS/cm		6890			7940			7950			8930		8930	6890	7927.50
Oil & Grease (LLE) - mg/L		71			108			206			165		206	71	137.50
pH - pH Units		7.09			7.63			6.97			7.18		7.63	6.97	7.22
Total Phosphorus - mg/L		8.5			21			20			52		52	8.5	25.38
Sodium - mg/L		1110			1400			1340			1040		1400	1040	1222.50
Sulphate, SO ₄ - mg/L		1680			2770			3480			3500		3500	1680	2857.50
Total Kjeldahl Nitrogen - mg/L		600			770			700			700		770	600	692.50
Nitrogen Total - mg/L		600			770			700			700		770	600	692.50
Nitrate, NO ₃ - mg/L		0.01			0.005			0.005			0.005		0.01	0.005	0.01
Nitrite, NO ₂ - mg/L		0.16			0.092			0.11			0.39		0.39	0.092	0.19
Total Suspended Solids @ 103-105°C - mg/L		1300			1900			3400			2700		3400	1300	2325.00
Total Dissolved Solids (grav) - mg/L		5700			9000			4700			6100		9000	4700	6375.00
Sulphide, S ₂ - mg/L		0.02			172			67.5			175		175	0.02	103.63
Sulphite, SO ₃ - mg/L		275			225			425			300		425	225	306.25
Sulphur, S - mg/L		760			1570			1670			1880		1880	760	1470.00
Hexavalent Chromium, Cr ₆₊ - mg/L		0.001			1			0.002			0.002		1	0.001	0.25
COD - mgO ₂ /L		4600			6900			8200			7000		8200	4600	6675.00
Potassium - mg/L		44			88			100			140		140	44	93.00
Calcium - mg/L		69			790			810			760		810	69	607.25
Magnesium - mg/L		38			16			20			25		38	16	24.75
Manganese - mg/L		14			22			32			25		32	14	23.25
SAR		26.6			13.5			12.7			10.1		26.6	10.1	15.73

EPA ID LOCATION: 13
EPA LICENSE NUMBER: 3465