

EF40 - IRRIGATION EFFLUENT TESTING RESULTS - 2022

Approved By: General Manager

Version: 1

Issue Date: 24 March 2021

Review Date: 24 March 2024



*Not Tested (NT) No Sample (NS)

| ANALYSIS | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | HIGH | LOW | AVE |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---------|
| Ammonia as N in water - mg/L | | 270 | | | 470 | | | 230 | | | | | 470 | 230 | 323.33 |
| BOD - mg/L | | 3700 | | | 5800 | | | 4600 | | | | | 5800 | 3700 | 4700.00 |
| Chloride - mg/L | | 1300 | | | 1800 | | | 1800 | | | | | 1800 | 1300 | 1633.33 |
| Chromium Total - mg/L | | 0.2 | | | 0.088 | | | 0.32 | | | | | 0.32 | 0.088 | 0.20 |
| Electrical Conductivity - µS/cm | | 5710 | | | 9320 | | | 6540 | | | | | 9320 | 5710 | 7190.00 |
| Oil & Grease (LLE) - mg/L | | 39 | | | 372 | | | 111 | | | | | 372 | 39 | 174.00 |
| pH - pH Units | | 8.97 | | | 7.33 | | | 8.25 | | | | | 8.97 | 7.33 | 8.18 |
| Total Phosphorus - mg/L | | 16 | | | 17 | | | 16 | | | | | 17 | 16 | 16.33 |
| Sodium - mg/L | | 1110 | | | 1270 | | | 1510 | | | | | 1510 | 1110 | 1296.67 |
| Sulphate, SO ₄ - mg/L | | 820 | | | 2210 | | | 2930 | | | | | 2930 | 820 | 1986.67 |
| Total Kjeldahl Nitrogen - mg/L | | 480 | | | 800 | | | 740 | | | | | 800 | 480 | 673.33 |
| Nitrogen Total - mg/L | | 480 | | | 800 | | | 740 | | | | | 800 | 480 | 673.33 |
| Nitrate, NO ₃ - mg/L | | 0.005 | | | 0.005 | | | 0.005 | | | | | 0.005 | 0.005 | 0.01 |
| Nitrite, NO ₂ - mg/L | | 0.36 | | | 0.013 | | | 0.24 | | | | | 0.36 | 0.013 | 0.20 |
| Total Suspended Solids @ 103-105°C - mg/L | | 1500 | | | 1400 | | | 1500 | | | | | 1500 | 1400 | 1466.67 |
| Total Dissolved Solids (grav) - mg/L | | 5300 | | | 6600 | | | 8500 | | | | | 8500 | 5300 | 6800.00 |
| Sulphide, S ₂ - mg/L | | 92.2 | | | 528 | | | 184 | | | | | 528 | 92.2 | 268.07 |
| Sulphite, SO ₃ - mg/L | | 490 | | | 900 | | | 550 | | | | | 900 | 490 | 646.67 |
| Sulphur, S - mg/L | | 460 | | | 1070 | | | 1290 | | | | | 1290 | 460 | 940.00 |
| Hexavalent Chromium, Cr ₆₊ - mg/L | | 0.002 | | | 0.001 | | | 0.001 | | | | | 0.002 | 0.001 | 0.00 |
| COD - mgO ₂ /L | | 4900 | | | 7500 | | | 6500 | | | | | 7500 | 4900 | 6300.00 |
| Potassium - mg/L | | 97 | | | 96 | | | 290 | | | | | 290 | 96 | 161.00 |
| Calcium - mg/L | | 14 | | | 590 | | | 620 | | | | | 620 | 14 | 408.00 |
| Magnesium - mg/L | | 8.5 | | | 15 | | | 30 | | | | | 30 | 8.5 | 17.83 |
| Manganese - mg/L | | 23 | | | 15 | | | 15 | | | | | 23 | 15 | 17.67 |
| SAR | | 57.7 | | | 14.1 | | | 16.1 | | | | | 57.7 | 14.1 | 29.30 |

EPA ID LOCATION: 13
EPA LICENSE NUMBER: 3465