

# EF41 - NON-CHROME SLUDGE TESTING RESULTS - 2025

Approved By: General Manager

Version: 2

Issue Date: 04 April 2024

Review Date: 04 April 2027



\*Not Tested (NT) No Sample (NS)

| ANALYSIS                                           | Oct-24 | Nov-24 | Dec-24 | Jan-25 | Feb-25 | Mar-25 | Apr-25 | May-25 | Jun-25 | Jul-25 | Aug-25 | Sep-25 | HIGH  | LOW   | AVE      |
|----------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|----------|
| pH - pH Units                                      |        | 6.74   |        |        | 6.75   |        |        | 6.81   |        |        | 6.75   |        | 6.81  | 6.74  | 6.76     |
| Electrical Conductivity - µS/cm                    |        | 11900  |        |        | 8660   |        |        | 10200  |        |        | 10800  |        | 11900 | 8660  | 10390.00 |
| Total Kjeldahl Nitrogen - mg/L                     |        | 720    |        |        | 820    |        |        | 690    |        |        | 480    |        | 820   | 480   | 677.50   |
| Total Phosphorus - mg/L                            |        | 65     |        |        | 50     |        |        | 40     |        |        | 55     |        | 65    | 40    | 52.50    |
| Total Suspended Solids - mg/L                      |        | 25300  |        |        | 17000  |        |        | 7800   |        |        | 3200   |        | 25300 | 3200  | 13325.00 |
| Total Dissolved Solids (grav) - mg/L               |        | 12000  |        |        | 12300  |        |        | 14300  |        |        | 16500  |        | 16500 | 12000 | 13775    |
| BOD - mg/L                                         |        | 9000   |        |        | 11000  |        |        | 7800   |        |        | 3800   |        | 11000 | 3800  | 7900.00  |
| COD - mgO <sub>2</sub> /L                          |        | 25000  |        |        | 13000  |        |        | 9200   |        |        | 9000   |        | 25000 | 9000  | 14050.00 |
| Nitrate, NO <sub>3</sub> - mg/L                    |        | 0.009  |        |        | 0.005  |        |        | 0.005  |        | 0.22   |        |        | 0.22  | 0.005 | 0.06     |
| Oil & Grease (LLE) - mg/L                          |        | 839    |        |        | 2350   |        |        | 1030   |        |        | 825    |        | 2350  | 825   | 1261.00  |
| Total S (Sulphur = Sulphate + Sulphite + Sulphide) |        | 1700   |        |        | 2560   |        |        | 3370   |        |        | 3520   |        | 3520  | 1700  | 2787.50  |
| Chloride - mg/L                                    |        | 1200   |        |        | 1300   |        |        | 1500   |        |        | 1400   |        | 1500  | 1200  | 1350.00  |
| Ammonia as N - mg/L                                |        | 540    |        |        | 100    |        |        | 110    |        |        | 120    |        | 540   | 100   | 217.50   |
| Sodium - mg/L                                      |        | 1200   |        |        | 1080   |        |        | 1110   |        |        | 1160   |        | 1200  | 1080  | 1137.50  |
| Potassium - mg/L                                   |        | 150    |        |        | 110    |        |        | 110    |        |        | 190    |        | 190   | 110   | 140.00   |
| Calcium - mg/L                                     |        | 1350   |        |        | 1770   |        |        | 1800   |        |        | 1920   |        | 1920  | 1350  | 1710.00  |
| Magnesium - mg/L                                   |        | 190    |        |        | 99     |        |        | 72     |        |        | 340    |        | 340   | 72    | 175.25   |
| Manganese - mg/L                                   |        | 3.8    |        |        | 0.98   |        |        | 0.49   |        |        | 3.8    |        | 3.8   | 0.49  | 2.27     |
| Chromium III - mg/L                                |        | 6.4    |        |        | 4      |        |        | 0.71   |        |        | 1.68   |        | 6.4   | 0.71  | 3.20     |
| Chromium VI - mg/L                                 |        | 0.002  |        |        | 0.002  |        |        | 0.004  |        |        | 0.12   |        | 0.12  | 0.002 | 0.03     |
| SAR                                                |        | 8.1    |        |        | 6.8    |        |        | 7      |        |        | 6.4    |        | 8.1   | 6.4   | 7.08     |
| Sulphate, SO <sub>4</sub> - mg/L                   |        | 3120   |        |        | 11     |        |        | 4960   |        |        | 5330   |        | 5330  | 11    | 3355.25  |
| Nitrogen Total - mg/L                              |        | 720    |        |        | 820    |        |        | 690    |        |        | 490    |        | 820   | 490   | 680.00   |
| Total Solids - %                                   |        | 3.4    |        |        | 2.9    |        |        | 2      |        |        | 2      |        | 3.4   | 2     | 2.58     |
| Arsenic - mg/Kg                                    |        | 0.05   |        |        | 0.05   |        |        | 0.05   |        |        | 0.05   |        | 0.05  | 0.05  | 0.05     |
| Cadmium - mg/Kg                                    |        | 0.01   |        |        | 0.01   |        |        | 0.01   |        |        | 0.01   |        | 0.01  | 0.01  | 0.01     |
| Copper - mg/Kg                                     |        | 0.24   |        |        | 0.13   |        |        | 0.01   |        |        | 0.031  |        | 0.24  | 0.01  | 0.10     |
| Lead - mg/Kg                                       |        | 0.06   |        |        | 0.02   |        |        | 0.03   |        |        | 0.02   |        | 0.06  | 0.02  | 0.03     |
| Mercury - mg/Kg                                    |        | 0.1    |        |        | 0.1    |        |        | 0.1    |        |        | 0.1    |        | 0.1   | 0.1   | 0.10     |
| Nickel - mg/Kg                                     |        | 0.09   |        |        | 0.05   |        |        | 0.01   |        |        | 0.01   |        | 0.09  | 0.01  | 0.04     |
| Zinc - mg/Kg                                       |        | 2.4    |        |        | 0.94   |        |        | 0.05   |        |        | 0.33   |        | 2.4   | 0.05  | 0.93     |
| Iron - mg/Kg                                       |        | 41     |        |        | 18     |        |        | 1.2    |        |        | 8      |        | 41    | 1.2   | 17.05    |

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