

Summary Report - Water Quality - Routine Water Quality Monitoring for ESC CMP Vd

Date: 8 August 2016

| Station ID | Replicate | Arsenic ug/L | Cadmium ug/L | Chromium ug/L | Copper ug/L | Lead ug/L | Mercury ug/L | Nickel ug/L | Silver ug/L | Zinc ug/L | NH3-N mg/L | TIN mg/L | BOD5 mg/L | SS mg/L |
|-----------------|-----------|-----------------|-----------------|------------------|----------------|--------------|-----------------|----------------|----------------|--------------|---------------|-------------|--------------|------------|
| Reporting Limit | | 1.0 | 0.1 | 1.0 | 1.0 | 1.0 | 0.1 | 1.0 | 1.0 | 1.0 | 0.005 | 0.015 | 0.5 | 2 |
| ESC-IPF1 | 1 | 2.6 | <0.5 | 2.3 | 2.4 | <1 | <0.5 | 2.7 | <1 | 3.5 | 0.06 | 1.06 | 3.0 | 3.9 |
| ESC-IPF1 | 2 | 2.4 | <0.5 | 2.5 | 2.5 | <1 | <0.5 | 2.8 | <1 | 3.0 | 0.05 | 1.04 | 2.9 | 3.1 |
| ESC-IPF1 | 3 | 2.7 | <0.5 | 2.7 | 2.6 | <1 | <0.5 | 2.3 | <1 | 3.8 | 0.06 | 1.07 | 3.0 | 3.1 |
| ESC-IPF1 | 4 | 2.1 | <0.5 | <1 | 2.1 | <1 | <0.5 | 3.2 | <1 | 2.8 | 0.06 | 1.07 | 2.8 | 3.5 |
| ESC-IPF1 | 5 | 2.5 | <0.5 | <1 | 2.0 | <1 | <0.5 | 2.5 | <1 | 3.3 | 0.05 | 1.08 | 3.0 | 5.6 |
| ESC-IPF1 | 6 | 2.1 | <0.5 | <1 | 2.5 | <1 | <0.5 | 3.2 | <1 | 3.4 | 0.06 | 1.07 | 2.9 | 4.5 |
| ESC-IPF1 | 7 | 2.9 | <0.5 | 2.1 | 2.6 | <1 | <0.5 | 2.8 | <1 | 3.2 | 0.04 | 1.08 | 3.0 | 4.4 |
| ESC-IPF1 | 8 | 2.6 | <0.5 | <1 | 2.4 | <1 | <0.5 | 2.3 | <1 | 4.6 | 0.05 | 1.10 | 2.9 | 5.6 |
| ESC-IPF2 | 1 | 2.6 | <0.5 | <1 | 2.6 | <1 | <0.5 | 2.6 | <1 | 4.8 | 0.06 | 1.05 | 2.6 | 19.6 |
| ESC-IPF2 | 2 | 3.1 | <0.5 | <1 | 2.1 | <1 | <0.5 | 2.5 | <1 | 4.4 | 0.06 | 1.05 | 2.6 | 18.0 |
| ESC-IPF2 | 3 | 2.8 | <0.5 | <1 | 2.8 | <1 | <0.5 | 2.5 | <1 | 4.0 | 0.07 | 1.04 | 2.7 | 16.6 |
| ESC-IPF2 | 4 | 2.4 | <0.5 | <1 | 2.6 | <1 | <0.5 | 2.6 | <1 | 5.7 | 0.07 | 1.02 | 2.6 | 18.1 |
| ESC-IPF2 | 5 | 2.2 | <0.5 | <1 | 3.0 | <1 | <0.5 | 2.1 | <1 | 4.6 | 0.06 | 1.04 | 2.6 | 21.3 |
| ESC-IPF2 | 6 | 3.0 | <0.5 | <1 | 2.9 | <1 | <0.5 | 2.1 | <1 | 5.2 | 0.08 | 1.06 | 2.6 | 20.1 |
| ESC-IPF2 | 7 | 2.7 | <0.5 | <1 | 2.1 | <1 | <0.5 | 2.2 | <1 | 4.6 | 0.07 | 1.06 | 2.7 | 16.8 |
| ESC-IPF2 | 8 | 2.7 | <0.5 | <1 | 3.7 | <1 | <0.5 | 3.0 | <1 | 3.6 | 0.06 | 1.05 | 2.5 | 19.4 |
| ESC-IPF3 | 1 | 3.0 | <0.5 | 2.2 | 2.2 | <1 | <0.5 | 1.6 | <1 | 2.5 | 0.11 | 0.70 | 2.5 | 8.5 |
| ESC-IPF3 | 2 | 2.9 | <0.5 | 2.2 | 2.0 | <1 | <0.5 | 1.4 | <1 | 2.8 | 0.10 | 0.67 | 2.5 | 10.0 |
| ESC-IPF3 | 3 | 3.1 | <0.5 | 2.1 | 2.0 | <1 | <0.5 | 1.6 | <1 | 2.6 | 0.11 | 0.69 | 2.5 | 9.2 |
| ESC-IPF3 | 4 | 3.1 | <0.5 | 2.4 | 1.9 | <1 | <0.5 | 1.4 | <1 | 2.4 | 0.10 | 0.77 | 2.6 | 11.6 |
| ESC-IPF3 | 5 | 3.4 | <0.5 | 2.6 | 2.0 | <1 | <0.5 | 1.8 | <1 | 2.1 | 0.10 | 0.70 | 2.6 | 7.0 |
| ESC-IPF3 | 6 | 3.4 | <0.5 | 2.2 | 2.1 | <1 | <0.5 | 1.5 | <1 | 2.3 | 0.12 | 0.70 | 2.3 | 9.6 |
| ESC-IPF3 | 7 | 3.6 | <0.5 | 2.5 | 2.6 | <1 | <0.5 | 1.6 | <1 | 2.5 | 0.11 | 0.67 | 2.7 | 8.4 |
| ESC-IPF3 | 8 | 2.6 | <0.5 | 1.2 | 2.2 | <1 | <0.5 | 1.7 | <1 | 2.8 | 0.10 | 0.68 | 2.6 | 10.2 |
| ESC-INF1 | 1 | 2.8 | <0.5 | 1.4 | 3.3 | <1 | <0.5 | 3.0 | <1 | 5.7 | 0.06 | 1.15 | 2.6 | 4.4 |
| ESC-INF1 | 2 | 2.9 | <0.5 | 1.5 | 3.4 | <1 | <0.5 | 2.9 | <1 | 5.3 | 0.05 | 1.14 | 2.6 | 4.8 |
| ESC-INF1 | 3 | 3.1 | <0.5 | 1.5 | 3.9 | <1 | <0.5 | 3.1 | <1 | 6.0 | 0.10 | 1.18 | 2.5 | 4.6 |
| ESC-INF1 | 4 | 3.3 | <0.5 | 1.3 | 3.2 | <1 | <0.5 | 3.6 | <1 | 4.8 | 0.06 | 1.14 | 2.4 | 5.7 |
| ESC-INF1 | 5 | 2.6 | <0.5 | 1.7 | 3.9 | <1 | <0.5 | 2.4 | <1 | 6.3 | 0.07 | 1.16 | 2.7 | 3.0 |
| ESC-INF1 | 6 | 3.2 | <0.5 | 1.3 | 3.3 | <1 | <0.5 | 2.9 | <1 | 6.5 | 0.05 | 1.14 | 2.5 | 4.9 |
| ESC-INF1 | 7 | 2.3 | <0.5 | 1.5 | 2.9 | <1 | <0.5 | 2.8 | <1 | 5.9 | 0.07 | 1.19 | 2.4 | 4.3 |
| ESC-INF1 | 8 | 2.7 | <0.5 | 1.4 | 2.4 | <1 | <0.5 | 2.8 | <1 | 4.2 | 0.06 | 1.15 | 2.6 | 3.3 |
| ESC-INF2 | 1 | 3.0 | <0.5 | 2.2 | 3.0 | <1 | <0.5 | 2.4 | <1 | 4.5 | 0.07 | 1.00 | 2.6 | 4.4 |
| ESC-INF2 | 2 | 2.6 | <0.5 | 2.0 | 3.1 | <1 | <0.5 | 2.4 | <1 | 3.7 | 0.07 | 1.01 | 2.6 | 5.9 |
| ESC-INF2 | 3 | 3.3 | <0.5 | 2.0 | 3.2 | <1 | <0.5 | 2.9 | <1 | 4.9 | 0.06 | 0.99 | 2.6 | 4.8 |
| ESC-INF2 | 4 | 2.9 | <0.5 | 2.4 | 2.8 | <1 | <0.5 | 2.7 | <1 | 4.4 | 0.07 | 1.00 | 2.5 | 6.1 |
| ESC-INF2 | 5 | 3.3 | <0.5 | 2.0 | 2.9 | <1 | <0.5 | 2.1 | <1 | 5.2 | 0.07 | 1.00 | 2.6 | 5.8 |
| ESC-INF2 | 6 | 2.7 | <0.5 | 1.9 | 2.6 | <1 | <0.5 | 2.0 | <1 | 4.8 | 0.07 | 0.99 | 2.6 | 5.8 |
| ESC-INF2 | 7 | 3.2 | <0.5 | 2.2 | 3.4 | <1 | <0.5 | 2.4 | <1 | 5.1 | 0.08 | 1.00 | 2.4 | 4.7 |
| ESC-INF2 | 8 | 3.4 | <0.5 | 2.7 | 2.4 | <1 | <0.5 | 2.1 | <1 | 2.1 | 0.07 | 1.00 | 2.6 | 8.2 |
| ESC-INF3 | 1 | 2.6 | <0.5 | 3.6 | 2.3 | <1 | <0.5 | 3.6 | <1 | 2.0 | 0.10 | 0.81 | 2.4 | 6.8 |
| ESC-INF3 | 2 | 3.1 | <0.5 | 3.4 | 2.6 | <1 | <0.5 | 3.2 | <1 | 2.1 | 0.09 | 0.79 | 2.3 | 5.0 |
| ESC-INF3 | 3 | 2.4 | <0.5 | 3.8 | 2.1 | <1 | <0.5 | 3.5 | <1 | 2.0 | 0.09 | 0.80 | 2.5 | 7.1 |
| ESC-INF3 | 4 | 2.8 | <0.5 | 3.4 | 2.2 | <1 | <0.5 | 4.1 | <1 | 2.1 | 0.09 | 0.83 | 2.4 | 5.7 |
| ESC-INF3 | 5 | 2.2 | <0.5 | 3.9 | 2.0 | <1 | <0.5 | 2.9 | <1 | 2.4 | 0.09 | 0.81 | 2.4 | 8.7 |
| ESC-INF3 | 6 | 2.5 | <0.5 | 3.3 | 2.7 | <1 | <0.5 | 4.0 | <1 | 1.7 | 0.10 | 0.81 | 2.6 | 10.7 |
| ESC-INF3 | 7 | 2.5 | <0.5 | 1.2 | 1.9 | <1 | <0.5 | 4.1 | <1 | 2.2 | 0.10 | 0.82 | 2.5 | 13.0 |
| ESC-INF3 | 8 | 3.0 | <0.5 | <1 | 3.0 | <1 | <0.5 | 2.9 | <1 | 5.4 | 0.12 | 0.86 | 2.4 | 11.7 |
| ESC-RFF1 | 1 | 2.8 | <0.5 | <1 | 2.9 | <1 | <0.5 | 3.3 | <1 | 5.8 | 0.04 | 1.34 | 2.8 | 8.1 |
| ESC-RFF1 | 2 | 2.7 | <0.5 | <1 | 2.5 | <1 | <0.5 | 2.8 | <1 | 6.5 | 0.05 | 1.30 | 2.7 | 6.1 |
| ESC-RFF1 | 3 | 2.4 | <0.5 | <1 | 3.0 | <1 | <0.5 | 3.6 | <1 | 5.8 | 0.04 | 1.32 | 2.5 | 5.0 |
| ESC-RFF1 | 4 | 2.5 | <0.5 | <1 | 2.5 | <1 | <0.5 | 3.5 | <1 | 4.9 | 0.05 | 1.33 | 3.0 | 3.9 |
| ESC-RFF1 | 5 | 2.4 | <0.5 | <1 | 3.3 | <1 | <0.5 | 3.3 | <1 | 5.9 | 0.06 | 1.35 | 2.7 | 4.1 |
| ESC-RFF1 | 6 | 3.2 | <0.5 | <1 | 3.2 | <1 | <0.5 | 3.0 | <1 | 5.9 | 0.06 | 1.34 | 2.7 | 3.5 |
| ESC-RFF1 | 7 | 2.6 | <0.5 | <1 | 3.2 | <1 | <0.5 | 3.7 | <1 | 4.8 | 0.04 | 1.33 | 2.8 | 3.8 |
| ESC-RFF1 | 8 | 2.9 | <0.5 | <1 | 3.3 | <1 | <0.5 | 2.7 | <1 | 6.2 | 0.04 | 1.34 | 2.8 | 4.4 |
| ESC-RFF2 | 1 | 2.9 | <0.5 | 1.7 | 3.4 | <1 | <0.5 | 3.7 | <1 | 2.1 | 0.11 | 0.80 | 2.8 | 22.8 |
| ESC-RFF2 | 2 | 2.6 | <0.5 | 1.8 | 3.9 | <1 | <0.5 | 3.6 | <1 | 1.9 | 0.11 | 0.79 | 2.5 | 26.2 |
| ESC-RFF2 | 3 | 3.2 | <0.5 | <1 | 3.6 | <1 | <0.5 | 3.7 | <1 | 1.7 | 0.10 | 0.80 | 2.5 | 18.2 |
| ESC-RFF2 | 4 | 2.5 | <0.5 | <1 | 3.8 | <1 | <0.5 | 3.0 | <1 | 1.9 | 0.11 | 0.79 | 2.8 | 17.8 |
| ESC-RFF2 | 5 | 2.4 | <0.5 | 1.7 | 3.4 | <1 | <0.5 | 3.1 | <1 | 1.9 | 0.11 | 0.82 | 2.8 | 17.5 |
| ESC-RFF2 | 6 | 2.4 | <0.5 | <1 | 2.9 | <1 | <0.5 | 3.2 | <1 | 2.4 | 0.10 | 0.78 | 2.4 | 23.3 |
| ESC-RFF2 | 7 | 2.7 | <0.5 | 1.5 | 2.8 | <1 | <0.5 | 4.3 | <1 | 2.1 | 0.10 | 0.78 | 2.5 | 23.6 |
| ESC-RFF2 | 8 | 2.8 | <0.5 | <1 | 2.4 | <1 | <0.5 | 2.0 | <1 | 4.6 | 0.12 | 0.81 | 2.6 | 20.1 |
| ESC-RFF3 | 1 | 2.5 | <0.5 | <1 | 4.2 | <1 | <0.5 | 3.6 | <1 | 4.4 | 0.07 | 1.02 | 3.3 | 5.9 |
| ESC-RFF3 | 2 | 2.5 | <0.5 | <1 | 3.7 | <1 | <0.5 | 2.9 | <1 | 4.0 | 0.09 | 1.03 | 3.2 | 6.7 |
| ESC-RFF3 | 3 | 2.5 | <0.5 | <1 | 3.7 | <1 | <0.5 | 3.7 | <1 | 3.8 | 0.07 | 1.01 | 3.3 | 6.7 |
| ESC-RFF3 | 4 | 2.4 | <0.5 | <1 | 4.2 | <1 | <0.5 | 3.4 | <1 | 4.8 | 0.06 | 1.00 | 3.1 | 9.1 |
| ESC-RFF3 | 5 | 2.7 | <0.5 | <1 | 4.8 | <1 | <0.5 | 3.6 | <1 | 4.3 | 0.06 | 1.02 | 3.3 | 4.8 |
| ESC-RFF3 | 6 | 2.9 | <0.5 | <1 | 4.4 | <1 | <0.5 | 3.6 | <1 | 4.0 | 0.03 | 1.00 | 3.1 | 7.5 |
| ESC-RFF3 | 7 | 2.7 | <0.5 | <1 | 4.3 | <1 | <0.5 | 4.2 | <1 | 4.6 | 0.06 | 1.01 | 2.9 | 7.9 |
| ESC-RFF3 | 8 | 2.7 | <0.5 | <1 | 3.1 | <1 | <0.5 | 3.1 | <1 | 4.9 | 0.06 | 1.01 | 3.0 | 9.2 |
| MW1 | 1 | 2.5 | <0.5 | <1 | 3.4 | <1 | <0.5 | 2.0 | <1 | 4.3 | 0.09 | 0.73 | 3.1 | 3.8 |
| MW1 | 2 | 2.4 | <0.5 | <1 | 3.7 | <1 | <0.5 | 2.0 | <1 | 5.0 | 0.09 | 0.75 | 3.2 | 2.9 |
| MW1 | 3 | 2.2 | <0.5 | <1 | 4.0 | <1 | <0.5 | 2.1 | <1 | 5.0 | 0.11 | 0.77 | 2.9 | 4.3 |
| MW1 | 4 | 2.2 | <0.5 | <1 | 2.8 | <1 | <0.5 | 2.3 | <1 | 5.0 | 0.10 | 0.75 | 3.2 | 4.0 |
| MW1 | 5 | 2.2 | <0.5 | <1 | 3.9 | <1 | <0.5 | 2.4 | <1 | 4.7 | 0.07 | 0.72 | 3.7 | 3.2 |
| MW1 | 6 | 2.4 | <0.5 | <1 | 2.9 | <1 | <0.5 | 2.2 | <1 | 4.8 | 0.07 | 0.73 | 3.8 | 4.1 |
| MW1 | 7 | 2.9 | <0.5 | <1 | 3.1 | <1 | <0.5 | 2.2 | <1 | 5.0 | 0.07 | 0.72 | 3.7 | 5.5 |
| MW1 | 8 | 3.1 | <0.5 | <1 | 2.7 | <1 | <0.5 | 2.6 | <1 | 2.9 | 0.07 | 0.72 | 4.0 | 4.0 |

Note: SB-INF/INF - Intermediate stations; SB-IPF/IPF - Impact stations; SB-RFF/RFF - Reference stations; MW - Ma Wan station.