

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

Date: 6 November 2020

| 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 | 1.9 | <0.5 | <1 | 16.1 | 1.1 | <0.5 | <1 | <1 | 22.9 | 0.15 | 0.48 | 0.9 | 7.2 |
| ESC-IPF1 | 2 | 2.1 | <0.5 | 1.2 | 9.8 | <1 | <0.5 | 1.1 | <1 | 22.0 | 0.17 | 0.52 | 0.9 | 8.8 |
| ESC-IPF1 | 3 | 1.8 | <0.5 | <1 | 9.8 | <1 | <0.5 | 1.1 | <1 | 22.7 | 0.13 | 0.45 | 0.6 | 8.9 |
| ESC-IPF1 | 4 | 2.1 | <0.5 | 1.1 | 13.8 | <1 | <0.5 | <1 | <1 | 26.2 | 0.19 | 0.51 | 0.5 | 7.8 |
| ESC-IPF1 | 5 | 2.1 | <0.5 | 1.1 | 16.1 | 1.0 | <0.5 | 1.1 | <1 | 26.8 | 0.12 | 0.41 | 0.7 | 7.5 |
| ESC-IPF1 | 6 | 1.7 | <0.5 | 1.3 | 13.3 | <1 | <0.5 | 1.2 | <1 | 26.9 | 0.26 | 0.58 | 0.5 | 9.1 |
| ESC-IPF1 | 7 | 2.0 | <0.5 | 1.1 | 10.8 | <1 | <0.5 | 1.3 | <1 | 24.9 | 0.07 | 0.29 | 0.6 | 8.9 |
| ESC-IPF1 | 8 | 2.1 | <0.5 | <1 | 11.9 | <1 | <0.5 | <1 | <1 | 27.3 | 0.09 | 0.30 | 0.3 | 7.5 |
| ESC-IPF2 | 1 | 1.9 | <0.5 | <1 | 6.1 | 1.3 | <0.5 | <1 | <1 | 26.2 | 0.25 | 0.80 | 0.8 | 10.5 |
| ESC-IPF2 | 2 | 1.9 | <0.5 | <1 | 9.4 | <1 | <0.5 | 1.5 | <1 | 80.9 | 0.08 | 0.34 | 0.4 | 8.6 |
| ESC-IPF2 | 3 | 2.1 | <0.5 | <1 | 4.3 | <1 | <0.5 | <1 | <1 | 61.9 | 0.10 | 0.32 | 0.5 | 9.6 |
| ESC-IPF2 | 4 | 2.1 | <0.5 | <1 | 5.1 | <1 | <0.5 | <1 | <1 | 64.1 | 0.11 | 0.33 | 0.1 | 9.8 |
| ESC-IPF2 | 5 | 2.0 | <0.5 | <1 | 5.4 | <1 | <0.5 | 1.0 | <1 | 31.5 | 0.08 | 0.31 | 0.3 | 10.8 |
| ESC-IPF2 | 6 | 1.9 | <0.5 | <1 | 6.8 | 1.2 | <0.5 | 1.1 | <1 | 19.7 | 0.13 | 0.47 | 0.7 | 8.5 |
| ESC-IPF2 | 7 | 2.0 | <0.5 | 1.1 | 5.9 | 1.1 | <0.5 | <1 | <1 | 25.6 | 0.09 | 0.36 | 0.7 | 10.0 |
| ESC-IPF2 | 8 | 3.6 | <0.5 | 1.4 | 15.9 | 1.2 | <0.5 | 1.7 | <1 | 33.4 | 0.12 | 0.37 | 0.7 | 10.3 |
| ESC-IPF3 | 1 | 1.8 | <0.5 | <1 | 2.3 | <1 | <0.5 | <1 | <1 | 48.5 | 0.09 | 0.32 | 0.6 | 12.0 |
| ESC-IPF3 | 2 | 1.8 | <0.5 | 1.1 | 3.4 | <1 | <0.5 | <1 | <1 | 11.5 | 0.15 | 0.41 | 0.3 | 10.9 |
| ESC-IPF3 | 3 | 2.0 | <0.5 | 1.2 | 2.8 | <1 | <0.5 | 1.1 | <1 | 81.3 | 0.15 | 0.41 | 0.2 | 29.0 |
| ESC-IPF3 | 4 | 2.1 | <0.5 | <1 | 2.9 | <1 | <0.5 | 1.0 | <1 | 44.7 | 0.11 | 0.49 | 0.3 | 15.7 |
| ESC-IPF3 | 5 | 2.0 | <0.5 | 1.1 | 3.5 | <1 | <0.5 | <1 | <1 | 15.6 | 0.17 | 0.44 | 0.3 | 11.5 |
| ESC-IPF3 | 6 | 2.0 | <0.5 | 2.6 | 3.3 | <1 | <0.5 | 1.1 | <1 | 47.4 | 0.18 | 0.45 | 0.2 | 11.2 |
| ESC-IPF3 | 7 | 1.9 | <0.5 | 1.0 | 3.2 | <1 | <0.5 | 1.2 | <1 | 24.3 | 0.12 | 0.35 | 0.4 | 29.2 |
| ESC-IPF3 | 8 | 2.1 | <0.5 | 1.3 | 3.4 | <1 | <0.5 | 1.5 | <1 | 110.0 | 0.27 | 0.91 | 0.4 | 16.5 |
| ESC-INF1 | 1 | 1.7 | <0.5 | <1 | 11.1 | <1 | <0.5 | 1.0 | <1 | 11.1 | 0.10 | 0.52 | 1.1 | 25.2 |
| ESC-INF1 | 2 | 1.9 | <0.5 | 1.0 | 10.4 | <1 | <0.5 | <1 | <1 | 45.9 | 0.11 | 0.50 | 0.8 | 8.0 |
| ESC-INF1 | 3 | 2.0 | <0.5 | 1.2 | 11.3 | <1 | <0.5 | 1.1 | <1 | 48.9 | 0.09 | 0.32 | 0.5 | 7.7 |
| ESC-INF1 | 4 | 1.9 | <0.5 | <1 | 17.4 | <1 | <0.5 | <1 | <1 | 59.9 | 0.08 | 0.33 | 0.7 | 8.3 |
| ESC-INF1 | 5 | 2.2 | <0.5 | <1 | 6.5 | <1 | <0.5 | <1 | <1 | 14.7 | 0.06 | 0.30 | 0.7 | 25.6 |
| ESC-INF1 | 6 | 2.1 | <0.5 | <1 | 5.7 | <1 | <0.5 | 1.2 | <1 | 31.5 | 0.10 | 0.35 | 0.6 | 7.8 |
| ESC-INF1 | 7 | 2.0 | <0.5 | <1 | 6.4 | <1 | <0.5 | 1.2 | <1 | 11.1 | 0.15 | 0.46 | 0.5 | 7.8 |
| ESC-INF1 | 8 | 2.0 | <0.5 | <1 | 6.2 | <1 | <0.5 | <1 | <1 | 43.9 | 0.23 | 0.82 | 0.6 | 8.7 |
| ESC-INF2 | 1 | 2.2 | <0.5 | <1 | 4.8 | <1 | <0.5 | 1.0 | <1 | 24.3 | 0.18 | 0.50 | 0.6 | 8.9 |
| ESC-INF2 | 2 | 2.1 | <0.5 | <1 | 5.0 | <1 | <0.5 | 1.2 | <1 | 57.1 | 0.36 | 0.71 | 0.4 | 8.1 |
| ESC-INF2 | 3 | 2.2 | <0.5 | <1 | 10.7 | <1 | <0.5 | <1 | <1 | 23.0 | 0.11 | 0.38 | 0.9 | 8.6 |
| ESC-INF2 | 4 | 1.8 | <0.5 | 1.1 | 6.3 | <1 | <0.5 | 1.1 | <1 | 16.2 | 0.07 | 0.30 | 1.0 | 12.6 |
| ESC-INF2 | 5 | 2.0 | <0.5 | 1.3 | 4.9 | <1 | <0.5 | 1.1 | <1 | 11.9 | 0.25 | 0.54 | 0.7 | 8.5 |
| ESC-INF2 | 6 | 2.1 | <0.5 | <1 | 4.6 | <1 | <0.5 | <1 | <1 | 55.9 | 0.15 | 0.41 | 0.7 | 7.8 |
| ESC-INF2 | 7 | 2.0 | <0.5 | <1 | 4.9 | <1 | <0.5 | 2.4 | <1 | 167.7 | 0.23 | 0.48 | 0.3 | 8.6 |
| ESC-INF2 | 8 | 1.8 | <0.5 | <1 | 4.8 | <1 | <0.5 | <1 | <1 | 39.8 | 0.34 | 0.63 | 0.8 | 12.9 |
| ESC-INF3 | 1 | 1.8 | <0.5 | <1 | 2.7 | <1 | <0.5 | <1 | <1 | 60.3 | 0.11 | 0.41 | 0.7 | 5.2 |
| ESC-INF3 | 2 | 2.0 | <0.5 | <1 | 3.1 | <1 | <0.5 | <1 | <1 | 38.7 | 0.16 | 0.50 | 0.7 | 18.0 |
| ESC-INF3 | 3 | 2.1 | <0.5 | <1 | 2.9 | <1 | <0.5 | <1 | <1 | 12.4 | 0.13 | 0.36 | 0.8 | 13.3 |
| ESC-INF3 | 4 | 2.1 | <0.5 | 1.1 | 3.4 | <1 | <0.5 | <1 | <1 | 24.0 | 0.10 | 0.34 | 0.5 | 13.7 |
| ESC-INF3 | 5 | 1.9 | <0.5 | <1 | 3.0 | <1 | <0.5 | <1 | <1 | 18.1 | 0.11 | 0.34 | 0.8 | 11.0 |
| ESC-INF3 | 6 | 2.1 | <0.5 | <1 | 4.3 | <1 | <0.5 | <1 | <1 | 18.3 | 0.09 | 0.32 | 0.9 | 17.3 |
| ESC-INF3 | 7 | 2.0 | <0.5 | 1.0 | 5.0 | 1.0 | <0.5 | <1 | <1 | 22.4 | 0.17 | 0.65 | 0.4 | 14.3 |
| ESC-INF3 | 8 | 2.0 | <0.5 | 1.0 | 3.9 | <1 | <0.5 | 1.1 | <1 | 38.6 | 0.14 | 0.38 | 0.6 | 14.5 |

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

Date: 6 November 2020

| Station ID | Replicate | Arsenic | Cadmium | Chromium | Copper | Lead | Mercury | Nickel | Silver | Zinc | NH3-N | TIN | BOD5 | SS |
|-----------------|-----------|---------|---------|----------|--------|------|---------|--------|--------|-------|-------|-------|------|------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | mg/L | mg/L | mg/L | 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-RFF1A | 1 | 2.0 | <0.5 | 1.1 | 18.1 | 2.2 | <0.5 | 1.2 | <1 | 37.5 | 0.12 | 0.59 | 1.9 | 25.2 |
| ESC-RFF1A | 2 | 2.1 | <0.5 | 1.6 | 14.9 | 2.0 | <0.5 | 1.6 | <1 | 88.1 | 0.21 | 0.61 | 1.1 | 26.4 |
| ESC-RFF1A | 3 | 2.1 | <0.5 | 1.7 | 14.5 | 2.0 | <0.5 | 1.2 | <1 | 36.7 | 0.13 | 0.38 | 1.4 | 8.4 |
| ESC-RFF1A | 4 | 2.0 | <0.5 | 1.5 | 15.5 | 2.0 | <0.5 | 1.4 | <1 | 38.8 | 0.18 | 0.49 | 1.7 | 10.8 |
| ESC-RFF1A | 5 | 1.8 | <0.5 | 1.1 | 14.5 | 1.8 | <0.5 | 1.3 | <1 | 36.9 | 0.12 | 0.55 | 0.5 | 25.6 |
| ESC-RFF1A | 6 | 2.1 | <0.5 | 1.3 | 15.7 | 2.0 | <0.5 | 1.4 | <1 | 38.3 | 0.15 | 0.59 | 1.5 | 26.0 |
| ESC-RFF1A | 7 | 2.1 | <0.5 | 1.3 | 14.2 | 2.2 | <0.5 | 1.3 | <1 | 36.0 | 0.18 | 0.40 | 1.4 | 8.1 |
| ESC-RFF1A | 8 | 2.0 | <0.5 | 1.3 | 12.9 | 2.3 | <0.5 | 1.1 | <1 | 53.6 | 0.33 | 0.71 | 1.6 | 10.3 |
| ESC-RFF2A | 1 | 2.1 | <0.5 | 3.4 | 59.0 | 3.0 | <0.5 | 1.7 | <1 | 89.5 | 0.14 | 0.67 | 1.9 | 10.1 |
| ESC-RFF2A | 2 | 1.8 | <0.5 | 1.5 | 60.1 | 3.0 | <0.5 | 1.7 | <1 | 78.8 | 0.09 | 0.60 | 2.0 | 11.1 |
| ESC-RFF2A | 3 | 2.1 | <0.5 | 2.4 | 63.7 | 3.2 | <0.5 | 2.1 | <1 | 165.5 | 0.08 | 0.62 | 1.5 | 8.2 |
| ESC-RFF2A | 4 | 2.0 | <0.5 | 1.8 | 58.1 | 3.8 | <0.5 | 1.7 | <1 | 109.6 | 0.19 | 0.79 | 1.8 | 7.4 |
| ESC-RFF2A | 5 | 2.1 | <0.5 | 1.8 | 58.9 | 4.7 | <0.5 | 2.1 | <1 | 78.1 | 0.10 | 0.63 | 1.6 | 9.9 |
| ESC-RFF2A | 6 | 2.0 | <0.5 | 1.9 | 55.8 | 3.3 | <0.5 | 1.9 | <1 | 77.2 | 0.17 | 0.79 | 2.6 | 11.1 |
| ESC-RFF2A | 7 | 2.1 | <0.5 | 2.5 | 70.2 | 3.2 | <0.5 | 1.6 | <1 | 86.3 | 0.12 | 0.63 | 1.6 | 8.5 |
| ESC-RFF2A | 8 | 2.1 | <0.5 | 1.2 | 67.5 | 2.9 | <0.5 | 1.6 | <1 | 84.8 | 0.13 | 0.66 | 2.6 | 7.7 |
| ESC-RFF3 | 1 | 2.1 | <0.5 | 1.3 | 8.1 | <1 | <0.5 | 1.1 | <1 | 24.6 | 0.13 | 0.35 | 1.0 | 3.1 |
| ESC-RFF3 | 2 | 2.1 | <0.5 | <1 | 7.4 | <1 | <0.5 | <1 | <1 | 15.6 | 0.09 | 0.32 | 1.3 | 11.6 |
| ESC-RFF3 | 3 | 2.0 | <0.5 | <1 | 7.7 | <1 | <0.5 | <1 | <1 | 21.3 | 0.18 | 0.50 | 0.9 | 9.1 |
| ESC-RFF3 | 4 | 2.1 | <0.5 | 1.1 | 6.3 | <1 | <0.5 | 1.2 | <1 | 54.6 | 0.17 | 0.49 | 0.5 | 8.5 |
| ESC-RFF3 | 5 | 1.8 | <0.5 | <1 | 5.1 | <1 | <0.5 | <1 | <1 | 58.4 | 0.11 | 0.37 | 0.5 | 3.2 |
| ESC-RFF3 | 6 | 1.9 | <0.5 | 1.1 | 5.2 | <1 | <0.5 | <1 | <1 | 9.8 | 0.19 | 0.48 | 1.1 | 11.4 |
| ESC-RFF3 | 7 | 2.1 | <0.5 | 1.5 | 9.8 | <1 | <0.5 | <1 | <1 | 17.2 | 0.20 | 0.64 | 1.0 | 8.8 |
| ESC-RFF3 | 8 | 2.0 | <0.5 | 1.4 | 15.5 | 1.7 | <0.5 | 1.5 | <1 | 52.4 | 0.17 | 0.41 | 0.5 | 8.4 |
| MW1 | 1 | 1.9 | <0.5 | 1.3 | 15.4 | 1.6 | <0.5 | 1.0 | <1 | 105.9 | 0.13 | 0.41 | 0.9 | 7.9 |
| MW1 | 2 | 2.0 | <0.5 | 1.4 | 25.5 | 3.0 | <0.5 | 1.2 | <1 | 85.4 | 0.17 | 0.47 | 1.1 | 4.6 |
| MW1 | 3 | 1.8 | <0.5 | 1.3 | 23.6 | 3.0 | <0.5 | 1.6 | <1 | 91.5 | 0.42 | 0.83 | 0.8 | 8.8 |
| MW1 | 4 | 2.1 | <0.5 | 1.3 | 23.1 | 2.6 | <0.5 | 1.4 | <1 | 82.1 | 0.21 | 0.53 | 1.2 | 8.0 |
| MW1 | 5 | 2.0 | <0.5 | 1.3 | 19.8 | 2.4 | <0.5 | 1.5 | <1 | 85.1 | 0.19 | 0.47 | 1.0 | 8.0 |
| MW1 | 6 | 1.9 | <0.5 | 1.3 | 22.8 | 3.2 | <0.5 | 1.3 | <1 | 84.1 | 0.20 | 0.54 | 1.4 | 4.8 |
| MW1 | 7 | 2.1 | <0.5 | 1.1 | 27.8 | 2.5 | <0.5 | 1.5 | <1 | 92.2 | 0.19 | 0.50 | 1.2 | 8.3 |
| MW1 | 8 | 2.0 | <0.5 | 1.2 | 21.4 | 2.3 | <0.5 | 1.5 | <1 | 85.6 | 0.18 | 0.51 | 1.1 | 7.3 |

Note: ESC-INP/INF - Intermediate stations; ESC-IPF/IPF - Impact stations; ESC-RFE/RFE - Reference stations; MW - Ma Wan station.