

Pit Specific Sediment Chemistry for ESC CMP in November 2020

| Working date : 4 November 2020 | | As | Cd | Cr | Cu | Pb | Hg | Ni | Ag | Zn | T-DDT | 4,4'-DDE | TOC | PCBs | TBT | LowMW PAHs | HighMW PAHs | TBT |
|-----------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|-------|------------|------------|-------------|-----------|
| Sampling Station | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | ug/kg | ug/kg | mg/kg | ug/kg | ug TBT /kg | ug/kg | ug/kg | ng TBT /L |
| ESC-NNCA (Near-Pit) | Replicate | 0.1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.2 | 2.0 | 0.5 | 500 | 3.0 | 6 | 50 | 100 | 10 |
| | 1 | 11.2 | 0.09 | 22.78 | 25.64 | 26.27 | 0.07 | 14.22 | 0.18 | 75.0 | <2 | <0.5 | 9,200 | <3 | 11 | 134 | 326 | <10 |
| | 2 | 12.1 | 0.09 | 25.29 | 25.81 | 28.45 | 0.07 | 16.02 | 0.16 | 78.1 | <2 | <0.5 | 10,000 | <3 | <5 | <50 | <100 | <10 |
| | 3 | 12.1 | 0.11 | 25.38 | 27.48 | 28.73 | 0.06 | 16.00 | 0.18 | 80.2 | <2 | <0.5 | 9,000 | <3 | 7 | 153 | 372 | <10 |
| | 4 | 12.1 | 0.08 | 25.29 | 27.71 | 28.82 | 0.21 | 15.85 | 0.28 | 79.0 | <2 | <0.5 | 8,400 | <3 | 5 | <50 | <100 | <10 |
| | 5 | 11.8 | 0.09 | 25.36 | 26.55 | 28.25 | 0.08 | 15.99 | 0.18 | 78.5 | <2 | <0.5 | 8,200 | <3 | 6 | 154 | 372 | <10 |
| | 6 | 12.0 | 0.11 | 25.25 | 25.34 | 29.22 | 0.09 | 15.75 | 0.17 | 79.9 | <2 | <0.5 | 8,200 | <3 | 8 | <50 | <100 | <10 |
| | 7 | 12.5 | 0.10 | 25.90 | 27.04 | 30.65 | 0.09 | 16.10 | 0.19 | 81.1 | <2 | <0.5 | 8,500 | <3 | 13 | 151 | 365 | <10 |
| | 8 | 12.2 | 0.13 | 24.80 | 25.96 | 28.76 | 0.08 | 15.45 | 0.34 | 79.0 | <2 | <0.5 | 8,500 | <3 | 14 | <50 | <100 | <10 |
| | 9 | 13.9 | 0.10 | 30.01 | 31.04 | 32.94 | 0.08 | 18.77 | 0.22 | 92.9 | <2 | <0.5 | 9,100 | <3 | 10 | 151 | 366 | <10 |
| | 10 | 12.1 | 0.09 | 25.04 | 25.88 | 29.31 | 0.07 | 15.78 | 0.33 | 83.1 | <2 | <0.5 | 11,000 | <3 | 11 | <50 | <100 | <10 |
| | 11 | 9.3 | 0.10 | 19.58 | 18.81 | 21.52 | 0.06 | 12.62 | 0.18 | 58.8 | <2 | <0.5 | 8,600 | <3 | 7 | 152 | 252 | <10 |
| | 12 | 12.4 | 0.09 | 25.95 | 26.57 | 28.58 | 0.07 | 16.54 | 0.18 | 78.1 | <2 | <0.5 | 9,000 | <3 | 7 | <50 | <100 | <10 |
| ESC-NNCB (Near-Pit) | 1 | 8.4 | 0.05 | 18.47 | 16.07 | 21.56 | <0.05 | 11.01 | 0.10 | 60.4 | <2 | <0.5 | 8,600 | <3 | <5 | <50 | <100 | <10 |
| | 2 | 10.4 | 0.06 | 22.14 | 18.66 | 24.75 | 0.06 | 13.34 | 0.11 | 67.9 | <2 | <0.5 | 6,800 | <3 | 6 | <50 | <100 | <10 |
| | 3 | 11.3 | <0.05 | 22.84 | 27.43 | 26.03 | <0.05 | 14.04 | 0.11 | 74.3 | <2 | <0.5 | 8,700 | <3 | 11 | <50 | <100 | <10 |
| | 4 | 11.0 | 0.09 | 22.63 | 19.65 | 28.61 | 0.06 | 13.74 | 0.14 | 73.5 | <2 | <0.5 | 8,000 | <3 | 6 | <50 | <100 | <10 |
| | 5 | 9.3 | 0.06 | 19.78 | 18.26 | 23.29 | <0.05 | 11.70 | 0.12 | 66.2 | <2 | <0.5 | 6,900 | <3 | 10 | <50 | <100 | <10 |
| | 6 | 9.8 | 0.06 | 21.37 | 19.42 | 23.96 | <0.05 | 12.56 | 0.13 | 68.6 | <2 | <0.5 | 7,900 | <3 | 7 | <50 | <100 | <10 |
| | 7 | 9.9 | 0.08 | 20.81 | 17.27 | 23.51 | 0.06 | 12.47 | 0.10 | 65.3 | <2 | <0.5 | 8,400 | <3 | 9 | <50 | <100 | <10 |
| | 8 | 11.3 | 0.06 | 24.40 | 20.90 | 27.14 | 0.06 | 15.05 | 0.18 | 77.1 | <2 | <0.5 | 8,700 | <3 | <5 | <50 | 257 | <10 |
| | 9 | 10.0 | 0.09 | 21.33 | 19.10 | 25.22 | 0.06 | 13.00 | 0.42 | 69.6 | <2 | <0.5 | 7,300 | <3 | 7 | <50 | <100 | <10 |
| | 10 | 8.9 | 0.07 | 19.84 | 16.21 | 22.36 | <0.05 | 11.34 | 0.44 | 61.5 | <2 | <0.5 | 6,600 | <3 | 9 | <50 | <100 | <10 |
| | 11 | 9.0 | <0.05 | 19.49 | 16.90 | 22.30 | 0.06 | 11.69 | 1.06 | 63.8 | <2 | <0.5 | 7,000 | <3 | 11 | <50 | <100 | <10 |
| | 12 | 8.9 | 0.06 | 18.27 | 16.83 | 21.76 | 0.05 | 10.64 | 0.11 | 60.0 | <2 | <0.5 | 7,400 | <3 | 7 | <50 | <100 | <10 |
| ESC-NECA (Pit-Edge) | 1 | 13.2 | 0.12 | 24.38 | 24.77 | 30.53 | 0.08 | 15.39 | 0.16 | 79.8 | <2 | <0.5 | 7,600 | <3 | 12 | <50 | <100 | <10 |
| | 2 | 14.6 | 0.10 | 26.21 | 25.10 | 34.40 | 0.09 | 16.39 | 0.14 | 76.9 | <2 | <0.5 | 9,100 | <3 | 12 | <50 | <100 | <10 |
| | 3 | 16.4 | 0.11 | 27.42 | 27.00 | 32.01 | 0.09 | 17.24 | 0.19 | 82.8 | <2 | <0.5 | 8,700 | <3 | 12 | <50 | <100 | <10 |
| | 4 | 16.0 | 0.11 | 28.75 | 26.02 | 32.48 | 0.25 | 18.32 | 0.13 | 81.5 | <2 | <0.5 | 6,300 | <3 | 9 | <50 | <100 | <10 |
| | 5 | 15.6 | 0.12 | 28.49 | 25.38 | 31.56 | 0.28 | 17.66 | 0.14 | 76.8 | <2 | <0.5 | 8,200 | <3 | 10 | <50 | <100 | <10 |
| | 6 | 14.3 | 0.10 | 26.90 | 26.43 | 31.95 | 0.10 | 16.92 | 0.18 | 81.2 | <2 | <0.5 | 8,900 | <3 | 14 | <50 | <100 | <10 |
| | 7 | 16.2 | 0.11 | 28.82 | 27.34 | 33.63 | 0.11 | 18.13 | 0.14 | 78.4 | <2 | <0.5 | 8,600 | <3 | <5 | <50 | <100 | <10 |
| | 8 | 17.4 | 0.12 | 30.79 | 28.46 | 34.63 | 0.11 | 19.58 | 0.14 | 83.3 | <2 | <0.5 | 8,000 | <3 | 9 | <50 | <100 | <10 |
| | 9 | 16.6 | 0.11 | 29.09 | 25.72 | 32.52 | 0.20 | 17.96 | 0.14 | 78.9 | <2 | <0.5 | 7,300 | <3 | 8 | <50 | <100 | <10 |
| | 10 | 16.1 | 0.11 | 28.01 | 25.20 | 32.27 | 0.10 | 17.58 | 0.14 | 77.8 | <2 | <0.5 | 7,600 | <3 | 10 | <50 | <100 | <10 |
| | 11 | 14.1 | 0.12 | 26.58 | 25.25 | 31.00 | 0.09 | 16.65 | 0.16 | 80.2 | <2 | <0.5 | 9,100 | <3 | 14 | <50 | <100 | <10 |
| | 12 | 15.0 | 0.08 | 26.40 | 24.84 | 32.99 | 0.08 | 16.83 | 0.17 | 78.5 | <2 | <0.5 | 7,600 | <3 | 37 | <50 | <100 | <10 |
| ESC-NECB (Pit-Edge) | 1 | 12.7 | 0.10 | 21.14 | 11.38 | 22.46 | <0.05 | 11.38 | 0.07 | 50.7 | <2 | <0.5 | 6,400 | <3 | 7 | <50 | <100 | <10 |
| | 2 | 9.9 | 0.11 | 20.50 | 13.19 | 22.54 | <0.05 | 10.01 | 0.10 | 58.2 | <2 | <0.5 | 8,600 | <3 | 7 | <50 | <100 | <10 |
| | 3 | 9.6 | 0.07 | 20.25 | 11.21 | 21.26 | <0.05 | 11.41 | 0.06 | 55.2 | <2 | <0.5 | 8,300 | <3 | 8 | <50 | <100 | <10 |
| | 4 | 9.2 | <0.05 | 17.99 | 10.67 | 22.21 | <0.05 | 9.67 | 0.08 | 47.3 | <2 | <0.5 | 7,600 | <3 | 7 | <50 | <100 | <10 |
| | 5 | 11.8 | 0.10 | 20.68 | 10.42 | 21.17 | <0.05 | 9.26 | 0.20 | 47.6 | <2 | <0.5 | 6,900 | <3 | 5 | <50 | <100 | <10 |
| | 6 | 9.9 | 0.10 | 19.25 | 11.45 | 20.65 | <0.05 | 10.96 | 0.07 | 46.8 | <2 | <0.5 | 6,600 | <3 | 5 | <50 | <100 | <10 |
| | 7 | 9.0 | 0.06 | 18.52 | 10.89 | 20.47 | <0.05 | 9.55 | 0.08 | 42.3 | <2 | <0.5 | 6,500 | <3 | <5 | <50 | <100 | <10 |
| | 8 | 14.4 | 0.08 | 21.56 | 13.84 | 24.83 | <0.05 | 12.31 | 0.10 | 54.9 | <2 | <0.5 | 7,700 | <3 | <5 | <50 | <100 | <10 |
| | 9 | 13.6 | 0.10 | 24.85 | 13.48 | 25.36 | <0.05 | 12.18 | 0.07 | 53.2 | <2 | <0.5 | 8,100 | <3 | 9 | <50 | <100 | <10 |
| | 10 | 10.3 | 0.08 | 21.80 | 17.77 | 24.84 | <0.05 | 12.80 | 0.12 | 62.8 | <2 | <0.5 | 5,200 | <3 | <5 | <50 | <100 | <10 |
| | 11 | 18.4 | 0.12 | 36.30 | 22.96 | 38.10 | 0.06 | 18.55 | 0.18 | 84.8 | <2 | <0.5 | 6,500 | <3 | 5 | <50 | <100 | <10 |
| | 12 | 12.0 | 0.05 | 19.38 | 11.46 | 20.97 | <0.05 | 11.43 | 0.07 | 55.8 | <2 | <0.5 | 8,000 | <3 | <5 | <50 | <100 | <10 |
| ESC-NPCA (Active-Pit) | 1 | 9.6 | 0.16 | 29.62 | 36.58 | 32.39 | 0.07 | 17.62 | 0.28 | 102.7 | <2 | <0.5 | 12,000 | <3 | 18 | 4,285 | 9,237 | <10 |
| | 2 | 10.7 | 0.19 | 31.51 | 43.37 | 41.88 | 0.07 | 18.64 | 0.29 | 115.9 | <2 | <0.5 | 12,000 | <3 | 26 | 2,327 | 4,248 | <10 |
| | 3 | 11.3 | 0.25 | 32.06 | 86.20 | 37.56 | 0.10 | 17.93 | 0.35 | 149.3 | <2 | <0.5 | 12,000 | <3 | 84 | 2,885 | 5,146 | <10 |
| | 4 | 11.1 | 0.23 | 30.34 | 42.54 | 36.73 | 0.09 | 17.78 | 0.30 | 122.4 | <2 | <0.5 | 11,000 | <3 | 26 | 4,857 | 7,147 | <10 |
| | 5 | 10.8 | 0.19 | 31.73 | 41.66 | 35.81 | 0.06 | 18.29 | 0.32 | 118.6 | <2 | <0.5 | 11,000 | <3 | 54 | 2,600 | 4,737 | <10 |
| | 6 | 10.1 | 0.23 | 29.82 | 42.63 | 34.23 | 0.07 | 17.15 | 0.31 | 118.7 | <2 | <0.5 | 11,000 | <3 | 38 | 4,147 | 5,907 | <10 |
| | 7 | 9.8 | 0.25 | 30.86 | 49.89 | 42.27 | 0.08 | 17.33 | 0.52 | 136.0 | <2 | <0.5 | 12,000 | <3 | 136 | 2,482 | 4,606 | <10 |
| | 8 | 11.4 | 0.19 | 29.83 | 41.89 | 34.19 | 0.07 | 17.27 | 0.42 | 110.9 | <2 | <0.5 | 13,000 | <3 | 30 | 4,043 | 5,761 | <10 |
| | 9 | 10.2 | 0.19 | 29.81 | 45.43 | 59.87 | 0.09 | 17.17 | 0.29 | 131.9 | <2 | <0.5 | 11,000 | <3 | 24 | 2,305 | 4,389 | <10 |
| | 10 | 10.9 | 0.30 | 31.49 | 54.45 | 41.60 | 0.07 | 18.02 | 0.37 | 134.9 | <2 | <0.5 | 12,000 | <3 | 33 | 4,072 | 5,892 | <10 |
| | 11 | 10.6 | 0.28 | 36.00 | 59.65 | 40.64 | 0.07 | 19.73 | 0.37 | 157.7 | <2 | <0.5 | 13,000 | <3 | 43 | 2,447 | 4,663 | <10 |
| | 12 | 10.0 | 0.27 | 30.45 | 48.65 | 34.36 | 0.08 | 17.88 | 0.32 | 132.3 | <2 | <0.5 | 12,000 | <3 | 106 | 3,815 | 5,457 | <10 |
| ESC-NPCB (Active-Pit) | 1 | 15.2 | 0.17 | 38.58 | 49.90 | 40.23 | 0.13 | 23.58 | 0.41 | 130.0 | <2 | <0.5 | 13,000 | <3 | 34 | 2,546 | 4,759 | <10 |
| | 2 | 13.7 | 0.20 | 36.86 | 48.32 | 40.35 | 0.12 | 22.04 | 0.37 | 126.4 | <2 | <0.5 | 10,000 | <3 | 31 | 4,243 | 6,068 | <10 |
| | 3 | 14.7 | 0.10 | 38.20 | | | | | | | | | | | | | | |