

Pit Specific Sediment Chemistry for CMP 2 in December 2015

| Working date : 7 December 2015 | 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 | |
| Replicate | 0.1 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.2 | 2 | 2 | 200 | 3 | 0.5 | 55.0 | 100 | 2 | |
| SB-NNBA (Near-Pit) | 1 | 7.7 | 0.11 | 25.84 | 23.67 | 28.56 | 0.31 | 17.44 | 0.21 | 83.2 | <2.0 | <2.0 | 9200 | <3.0 | 12 | <55 | <100 | <10 |
| | 2 | 7.6 | 0.09 | 26.29 | 25.35 | 29.17 | 0.48 | 17.50 | 0.24 | 85.2 | <2.0 | <2.0 | 8900 | <3.0 | 12 | <55 | <100 | <10 |
| | 3 | 6.8 | 0.10 | 26.20 | 25.17 | 28.99 | 0.49 | 17.51 | 0.23 | 85.2 | <2.0 | <2.0 | 9300 | <3.0 | 12 | <55 | <100 | <10 |
| | 4 | 7.1 | 0.09 | 25.41 | 24.18 | 28.68 | 0.43 | 16.98 | 0.23 | 82.4 | <2.0 | <2.0 | 9100 | <3.0 | 12 | <55 | <100 | <10 |
| | 5 | 7.6 | 0.12 | 26.36 | 25.70 | 28.98 | 0.37 | 17.65 | 0.27 | 85.2 | <2.0 | <2.0 | 9200 | <3.0 | 12 | <55 | <100 | <10 |
| | 6 | 6.1 | 0.07 | 24.08 | 23.42 | 26.62 | 0.44 | 16.00 | 0.23 | 77.9 | <2.0 | <2.0 | 8500 | <3.0 | 13 | <55 | <100 | <10 |
| | 7 | 6.6 | 0.10 | 25.03 | 24.19 | 27.74 | 0.44 | 16.65 | 0.25 | 80.5 | <2.0 | <2.0 | 8200 | <3.0 | 11 | <55 | <100 | <10 |
| | 8 | 6.3 | 0.09 | 24.77 | 24.49 | 27.16 | 0.31 | 16.33 | 0.25 | 80.3 | <2.0 | <2.0 | 9200 | <3.0 | 10 | <55 | <100 | <10 |
| | 9 | 7.0 | 0.07 | 24.46 | 24.78 | 27.38 | 0.48 | 16.30 | 0.23 | 80.2 | <2.0 | <2.0 | 10000 | <3.0 | 11 | <55 | <100 | <10 |
| | 10 | 7.3 | 0.11 | 25.54 | 25.19 | 27.75 | 0.32 | 16.77 | 0.26 | 83.0 | <2.0 | <2.0 | 9200 | <3.0 | 9 | <55 | <100 | <10 |
| | 11 | 7.0 | 0.10 | 25.48 | 24.89 | 28.58 | 0.45 | 16.93 | 0.25 | 83.0 | <2.0 | <2.0 | 9100 | <3.0 | 11 | <55 | <100 | <10 |
| | 12 | 6.5 | 0.10 | 22.73 | 20.81 | 25.31 | 0.36 | 15.06 | 0.34 | 73.0 | <2.0 | <2.0 | 8300 | <3.0 | 18 | <55 | <100 | <10 |
| SB-NNBB (Near-Pit) | 1 | 5.8 | 0.08 | 24.20 | 25.53 | 25.66 | 0.31 | 15.82 | 0.29 | 79.2 | <2.0 | <2.0 | 8100 | <3.0 | 10 | <55 | <100 | <10 |
| | 2 | 5.5 | 0.08 | 22.26 | 23.77 | 23.52 | 0.25 | 14.48 | 0.27 | 72.1 | <2.0 | <2.0 | 8000 | <3.0 | 8 | <55 | <100 | <10 |
| | 3 | 5.8 | 0.07 | 23.47 | 24.45 | 24.26 | 0.39 | 15.23 | 0.27 | 74.7 | <2.0 | <2.0 | 7700 | <3.0 | 10 | <55 | <100 | <10 |
| | 4 | 5.4 | 0.08 | 23.05 | 24.12 | 24.25 | 0.45 | 14.95 | 0.28 | 73.2 | <2.0 | <2.0 | 7800 | <3.0 | 10 | <55 | <100 | <10 |
| | 5 | 4.8 | 0.07 | 22.06 | 23.80 | 23.55 | 0.37 | 14.28 | 0.28 | 71.2 | <2.0 | <2.0 | 7700 | <3.0 | 8 | <55 | <100 | <10 |
| | 6 | 5.3 | 0.07 | 24.91 | 26.69 | 26.21 | 0.31 | 16.16 | 0.28 | 81.0 | <2.0 | <2.0 | 8500 | <3.0 | 9 | <55 | <100 | <10 |
| | 7 | 6.1 | 0.08 | 25.65 | 26.95 | 25.99 | 0.37 | 16.60 | 0.28 | 80.6 | <2.0 | <2.0 | 8100 | <3.0 | 9 | <55 | <100 | <10 |
| | 8 | 6.2 | 0.08 | 26.54 | 28.44 | 27.32 | 0.47 | 17.30 | 0.31 | 84.7 | <2.0 | <2.0 | 8400 | <3.0 | 9 | <55 | <100 | <10 |
| | 9 | 5.6 | 0.10 | 25.41 | 27.63 | 27.20 | 0.18 | 16.39 | 0.30 | 81.4 | <2.0 | <2.0 | 8200 | <3.0 | 10 | <55 | <100 | <10 |
| | 10 | 6.0 | 0.08 | 25.72 | 27.52 | 26.73 | 0.34 | 16.59 | 0.29 | 82.6 | <2.0 | <2.0 | 8400 | <3.0 | 9 | <55 | <100 | <10 |
| | 11 | 5.8 | 0.08 | 26.13 | 27.87 | 27.27 | 0.33 | 16.94 | 0.31 | 84.4 | <2.0 | <2.0 | 8200 | <3.0 | 9 | <55 | <100 | <10 |
| | 12 | 5.8 | 0.07 | 26.08 | 26.97 | 27.56 | 0.46 | 16.82 | 0.29 | 83.0 | <2.0 | <2.0 | 9100 | <3.0 | 19 | <55 | <100 | <10 |
| SB-NEBA (Pit-Edge) | 1 | 7.5 | 0.11 | 26.79 | 29.54 | 30.59 | 0.42 | 17.29 | 0.35 | 85.1 | <2.0 | <2.0 | 8800 | <3.0 | 7 | <55 | <100 | <10 |
| | 2 | 7.7 | 0.10 | 26.25 | 28.88 | 29.17 | 0.43 | 16.98 | 0.35 | 84.1 | <2.0 | <2.0 | 8900 | <3.0 | 7 | <55 | <100 | <10 |
| | 3 | 7.2 | 0.10 | 26.01 | 29.50 | 28.75 | 0.43 | 16.71 | 0.36 | 85.6 | <2.0 | <2.0 | 7700 | <3.0 | 8 | <55 | <100 | <10 |
| | 4 | 7.9 | 0.10 | 27.08 | 31.59 | 29.73 | 0.38 | 17.12 | 0.38 | 85.3 | <2.0 | <2.0 | 7700 | <3.0 | 8 | <55 | <100 | <10 |
| | 5 | 7.8 | 0.09 | 25.43 | 29.66 | 28.13 | 0.47 | 16.27 | 0.38 | 82.6 | <2.0 | <2.0 | 8200 | <3.0 | 11 | <55 | <100 | <10 |
| | 6 | 7.3 | 0.11 | 25.91 | 29.88 | 28.63 | 0.39 | 16.51 | 0.37 | 83.4 | <2.0 | <2.0 | 8500 | <3.0 | 15 | <55 | <100 | <10 |
| | 7 | 7.5 | 0.12 | 25.72 | 30.23 | 28.65 | 0.28 | 16.38 | 0.36 | 82.8 | <2.0 | <2.0 | 7600 | <3.0 | 12 | <55 | <100 | <10 |
| | 8 | 7.0 | 0.10 | 24.68 | 27.43 | 27.44 | 0.39 | 15.75 | 0.34 | 77.1 | <2.0 | <2.0 | 8400 | <3.0 | 13 | <55 | <100 | <10 |
| | 9 | 6.3 | 0.09 | 25.87 | 25.77 | 24.91 | 0.35 | 16.74 | 0.38 | 77.3 | <2.0 | <2.0 | 8200 | <3.0 | 6 | <55 | <100 | <10 |
| | 10 | 9.4 | 0.11 | 30.13 | 34.19 | 33.63 | 0.37 | 19.09 | 0.47 | 90.0 | <2.0 | <2.0 | 7900 | <3.0 | 8 | <55 | <100 | <10 |
| | 11 | 8.0 | 0.08 | 28.39 | 30.19 | 29.69 | 0.33 | 18.38 | 0.37 | 87.4 | <2.0 | <2.0 | 7600 | <3.0 | 7 | <55 | <100 | <10 |
| | 12 | 7.3 | 0.08 | 28.94 | 29.34 | 28.99 | 0.34 | 19.03 | 0.39 | 87.6 | <2.0 | <2.0 | 7600 | <3.0 | 10 | <55 | <100 | <10 |
| SB-NEBB (Pit-Edge) | 1 | 5.8 | 0.08 | 19.71 | 15.30 | 19.97 | 0.47 | 13.04 | 0.18 | 57.4 | <2.0 | <2.0 | 7000 | <3.0 | 6 | <55 | <100 | <10 |
| | 2 | 5.6 | 0.08 | 20.94 | 18.13 | 21.29 | 0.41 | 13.80 | 0.21 | 65.0 | <2.0 | <2.0 | 7200 | <3.0 | 7 | <55 | <100 | <10 |
| | 3 | 5.1 | 0.08 | 19.71 | 16.76 | 20.31 | 0.32 | 13.03 | 0.30 | 59.7 | <2.0 | <2.0 | 7700 | <3.0 | 5 | <55 | <100 | <10 |
| | 4 | 4.8 | 0.06 | 18.63 | 15.54 | 19.34 | 0.32 | 12.17 | 0.21 | 55.7 | <2.0 | <2.0 | 7200 | <3.0 | 5 | <55 | <100 | <10 |
| | 5 | 5.0 | 0.07 | 18.16 | 15.91 | 20.01 | 0.31 | 12.01 | 0.18 | 55.1 | <2.0 | <2.0 | 7100 | <3.0 | 7 | <55 | <100 | <10 |
| | 6 | 4.7 | 0.08 | 17.25 | 16.12 | 18.62 | 0.24 | 11.31 | 0.20 | 53.1 | <2.0 | <2.0 | 7200 | <3.0 | 6 | <55 | <100 | <10 |
| | 7 | 5.1 | 0.08 | 16.96 | 14.41 | 18.25 | 0.29 | 11.13 | 0.17 | 51.2 | <2.0 | <2.0 | 7000 | <3.0 | 7 | <55 | <100 | <10 |
| | 8 | 5.3 | 0.08 | 18.40 | 16.52 | 20.04 | 0.27 | 12.06 | 0.18 | 56.1 | <2.0 | <2.0 | 7800 | <3.0 | 6 | <55 | <100 | <10 |
| | 9 | 5.0 | 0.07 | 18.69 | 15.45 | 20.24 | 0.26 | 12.32 | 0.18 | 55.4 | <2.0 | <2.0 | 7800 | <3.0 | 6 | <55 | <100 | <10 |
| | 10 | 5.3 | 0.07 | 18.10 | 15.57 | 20.55 | 0.34 | 11.94 | 0.19 | 55.1 | <2.0 | <2.0 | 7900 | <3.0 | 6 | <55 | <100 | <10 |
| | 11 | 5.2 | 0.08 | 18.75 | 14.65 | 21.71 | 0.36 | 12.27 | 0.18 | 55.0 | <2.0 | <2.0 | 7600 | <3.0 | 7 | <55 | <100 | <10 |
| | 12 | 5.4 | 0.07 | 19.05 | 15.60 | 20.84 | 0.30 | 12.48 | 0.17 | 57.8 | <2.0 | <2.0 | 7800 | <3.0 | 8 | <55 | <100 | <10 |
| SB-NPBA (Active-Pit) | 1 | 6.4 | 0.08 | 24.92 | 52.92 | 38.71 | 0.49 | 12.76 | 0.71 | 185.4 | <2.0 | <2.0 | 14000 | <3.0 | 25 | <55 | 218 | <10 |
| | 2 | 5.8 | 0.25 | 23.63 | 51.64 | 28.75 | 0.50 | 12.78 | 0.87 | 143.8 | <2.0 | <2.0 | 13000 | <3.0 | 27 | <55 | 198 | <10 |
| | 3 | 5.9 | 0.22 | 23.17 | 48.28 | 27.83 | 0.36 | 12.34 | 0.53 | 113.0 | <2.0 | <2.0 | 13000 | <3.0 | 26 | <55 | 174 | <10 |
| | 4 | 5.9 | 0.16 | 19.43 | 34.08 | 26.76 | 0.30 | 11.26 | 0.75 | 99.1 | <2.0 | <2.0 | 13000 | <3.0 | 26 | <55 | 169 | <10 |
| | 5 | 5.9 | 0.20 | 21.82 | 40.69 | 26.15 | 0.47 | 11.78 | 0.89 | 111.2 | <2.0 | <2.0 | 14000 | <3.0 | 12 | <55 | 156 | <10 |
| | 6 | 5.9 | 0.29 | 20.34 | 44.82 | 29.70 | 0.33 | 10.71 | 0.50 | 134.4 | <2.0 | <2.0 | 14000 | <3.0 | 11 | <55 | 183 | <10 |
| | 7 | 5.9 | 0.29 | 23.91 | 54.04 | 32.63 | 0.36 | 12.31 | 0.62 | 139.9 | <2.0 | <2.0 | 12000 | <3.0 | 12 | <55 | 165 | <10 |
| | 8 | 6.7 | 0.14 | 17.05 | 28.50 | 22.16 | 0.42 | 10.01 | 0.49 | 83.3 | <2.0 | <2.0 | 11000 | <3.0 | 12 | <55 | 166 | <10 |
| | 9 | 5.9 | 0.25 | 23.12 | 48.38 | 28.98 | 0.33 | 13.00 | 0.91 | 126.2 | <2.0 | <2.0 | 12000 | <3.0 | 12 | <55 | 183 | <10 |
| | 10 | 6.3 | 0.17 | 19.25 | 31.01 | 22.97 | 0.32 | 11.33 | 0.60 | 81.2 | <2.0 | <2.0 | 12000 | <3.0 | 11 | <55 | 172 | <10 |
| | 11 | 5.7 | 0.27 | 45.09 | 48.77 | 20.94 | 0.15 | 11.83 | 0.83 | 124.9 | <2.0 | <2.0 | 13000 | <3.0 | 10 | <55 | 153 | <10 |
| | 12 | 6.3 | 0.15 | 19.93 | 31.74 | 23.70 | 0.36 | 11.73 | 0.61 | 82.8 | <2.0 | <2.0 | 13000 | <3.0 | 8 | <55 | 151 | <10 |
| SB-NPBB (Active-Pit) | 1 | 4.1 | 0.37 | 18.10 | 33.10 | 18.46 | 0.13 | 10.09 | 0.94 | 56.3 | <2.0 | <2.0 | 4700 | <3.0 | 68 | <55 | 107 | <10 |
| | 2 | 4.1 | 0.11 | 17.19 | 32.27 | 17.46 | 0.14 | 9.85 | 0.77 | 54.1 | <2.0 | <2.0 | 4200 | <3.0 | 65 | <55 | | |