

**Sediment Chemistry after a Major Storm for ESC CMPs in August 2017**

| 31/8/2017                 |           | As    | Cd    | Cr    | Cu    | Pb    | Hg    | Ni    | Ag    | Zn    |
|---------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Station                   | Replicate | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| Limits of Reporting (LOR) |           | 0.5   | 0.02  | 0.05  | 0.05  | 0.05  | 0.05  | 0.05  | 0.05  | 5     |
| ESC-RNA                   | 1         | 11.0  | 0.09  | 27.15 | 30.01 | 30.97 | 0.03  | 17.22 | 0.20  | 88.3  |
|                           | 2         | 10.7  | 0.08  | 27.48 | 31.76 | 30.25 | 0.05  | 17.64 | 0.19  | 89.8  |
|                           | 3         | 10.9  | 0.09  | 26.95 | 29.97 | 30.46 | 0.03  | 17.28 | 0.19  | 87.3  |
|                           | 4         | 11.3  | 0.11  | 27.95 | 31.51 | 32.73 | 0.03  | 17.82 | 0.19  | 91.5  |
|                           | 5         | 10.6  | 0.11  | 27.22 | 30.29 | 29.74 | 0.03  | 17.78 | 0.20  | 87.6  |
|                           | 6         | 10.4  | 0.09  | 27.06 | 31.01 | 29.92 | 0.03  | 17.45 | 0.20  | 88.4  |
|                           | 7         | 10.2  | 0.10  | 26.04 | 29.32 | 31.67 | 0.03  | 16.81 | 0.17  | 85.1  |
|                           | 8         | 11.7  | 0.11  | 27.50 | 32.65 | 31.21 | 0.03  | 17.55 | 0.20  | 89.1  |
|                           | 9         | 11.0  | 0.11  | 26.99 | 30.21 | 30.39 | 0.03  | 17.42 | 0.20  | 87.3  |
|                           | 10        | 11.1  | 0.10  | 26.22 | 30.21 | 30.66 | 0.03  | 16.67 | 0.21  | 87.0  |
|                           | 11        | 11.1  | 0.12  | 27.00 | 30.18 | 30.37 | 0.05  | 17.42 | 0.21  | 87.4  |
|                           | 12        | 11.2  | 0.11  | 27.65 | 31.72 | 30.52 | 0.03  | 17.88 | 0.27  | 92.9  |
| ESC-RNB                   | 1         | 11.7  | 0.07  | 23.94 | 21.01 | 30.97 | 0.03  | 14.23 | 0.12  | 86.9  |
|                           | 2         | 11.7  | 0.08  | 25.37 | 24.92 | 32.47 | 0.03  | 15.27 | 0.14  | 90.4  |
|                           | 3         | 11.9  | 0.07  | 23.31 | 20.98 | 30.73 | 0.03  | 13.99 | 0.11  | 88.1  |
|                           | 4         | 11.7  | 0.07  | 24.36 | 22.94 | 31.35 | 0.03  | 14.53 | 0.12  | 89.6  |
|                           | 5         | 12.6  | 0.07  | 24.60 | 21.15 | 32.40 | 0.03  | 14.86 | 0.12  | 89.5  |
|                           | 6         | 13.8  | 0.10  | 25.53 | 23.51 | 32.62 | 0.05  | 15.15 | 0.12  | 85.8  |
|                           | 7         | 11.2  | 0.08  | 22.60 | 20.10 | 30.76 | 0.03  | 13.59 | 0.11  | 88.1  |
|                           | 8         | 12.6  | 0.07  | 24.51 | 21.71 | 31.58 | 0.08  | 14.68 | 0.12  | 86.6  |
|                           | 9         | 12.5  | 0.08  | 24.43 | 22.19 | 32.02 | 0.03  | 14.53 | 0.12  | 87.6  |
|                           | 10        | 12.2  | 0.08  | 24.28 | 21.14 | 31.50 | 0.07  | 14.53 | 0.12  | 85.8  |
|                           | 11        | 12.2  | 0.08  | 23.31 | 21.75 | 34.24 | 0.03  | 13.78 | 0.13  | 85.8  |
|                           | 12        | 14.1  | 0.09  | 28.49 | 26.21 | 36.98 | 0.05  | 17.03 | 0.14  | 104.0 |
| ESC-RMA                   | 1         | 14.1  | 0.12  | 31.42 | 38.11 | 34.68 | 0.08  | 20.11 | 0.24  | 100.0 |
|                           | 2         | 14.9  | 0.12  | 33.09 | 41.37 | 36.63 | 0.08  | 21.13 | 0.28  | 105.6 |
|                           | 3         | 14.3  | 0.12  | 33.19 | 39.87 | 36.69 | 0.07  | 21.35 | 0.31  | 105.4 |
|                           | 4         | 14.0  | 0.12  | 33.51 | 41.02 | 36.46 | 0.07  | 21.48 | 0.27  | 106.6 |
|                           | 5         | 15.2  | 0.14  | 35.26 | 44.97 | 38.32 | 0.05  | 22.41 | 0.27  | 111.4 |
|                           | 6         | 15.0  | 0.12  | 33.00 | 39.83 | 36.25 | 0.06  | 20.91 | 0.23  | 105.3 |
|                           | 7         | 15.3  | 0.13  | 35.12 | 42.56 | 39.28 | 0.07  | 22.70 | 0.25  | 110.0 |
|                           | 8         | 15.0  | 0.13  | 35.16 | 41.57 | 38.76 | 0.08  | 22.53 | 0.24  | 110.2 |
|                           | 9         | 14.5  | 0.13  | 34.07 | 40.74 | 37.41 | 0.06  | 21.87 | 0.27  | 108.3 |
|                           | 10        | 13.8  | 0.15  | 31.91 | 40.76 | 36.18 | 0.06  | 20.21 | 0.23  | 101.2 |
|                           | 11        | 14.5  | 0.11  | 33.72 | 39.62 | 36.88 | 0.05  | 21.42 | 0.24  | 107.2 |
|                           | 12        | 13.9  | 0.12  | 32.73 | 38.53 | 35.80 | 0.07  | 20.89 | 0.23  | 104.9 |
| ESC-RMB                   | 1         | 13.8  | 0.08  | 31.07 | 22.74 | 31.70 | 0.03  | 19.22 | 0.10  | 78.8  |
|                           | 2         | 14.4  | 0.09  | 31.64 | 24.08 | 34.53 | 0.03  | 19.38 | 0.12  | 81.4  |
|                           | 3         | 13.9  | 0.08  | 30.06 | 24.15 | 31.74 | 0.08  | 18.43 | 0.12  | 78.3  |
|                           | 4         | 13.8  | 0.08  | 29.92 | 22.81 | 31.65 | 0.03  | 18.17 | 0.11  | 76.0  |
|                           | 5         | 14.8  | 0.09  | 30.92 | 23.91 | 32.93 | 0.03  | 19.16 | 0.11  | 79.1  |
|                           | 6         | 14.1  | 0.08  | 29.29 | 22.48 | 32.00 | 0.03  | 18.14 | 0.11  | 78.7  |
|                           | 7         | 13.8  | 0.09  | 28.90 | 21.81 | 31.59 | 0.03  | 17.78 | 0.10  | 75.3  |
|                           | 8         | 15.1  | 0.08  | 30.51 | 22.72 | 32.66 | 0.03  | 18.72 | 0.10  | 77.9  |
|                           | 9         | 14.9  | 0.09  | 29.39 | 24.04 | 33.37 | 0.03  | 18.00 | 0.12  | 76.9  |
|                           | 10        | 14.0  | 0.09  | 29.62 | 22.54 | 32.73 | 0.03  | 18.22 | 0.10  | 76.6  |
|                           | 11        | 14.8  | 0.09  | 29.02 | 23.06 | 32.97 | 0.03  | 17.81 | 0.12  | 75.1  |
|                           | 12        | 13.4  | 0.07  | 28.03 | 21.24 | 30.82 | 0.03  | 17.26 | 0.09  | 72.6  |
| ESC-RCA                   | 1         | 4.7   | 0.08  | 10.27 | 10.19 | 12.47 | 0.03  | 6.39  | 0.13  | 32.6  |
|                           | 2         | 4.1   | 0.05  | 9.63  | 10.37 | 13.30 | 0.03  | 6.10  | 0.12  | 30.0  |
|                           | 3         | 4.1   | 0.06  | 10.00 | 11.18 | 13.11 | 0.03  | 6.22  | 0.14  | 32.9  |
|                           | 4         | 4.6   | 0.07  | 12.84 | 16.03 | 14.58 | 0.03  | 7.92  | 0.24  | 38.1  |
|                           | 5         | 4.4   | 0.03  | 11.29 | 11.22 | 13.95 | 0.03  | 7.17  | 0.29  | 35.5  |
|                           | 6         | 5.2   | 0.08  | 14.01 | 18.59 | 16.48 | 0.05  | 8.72  | 0.28  | 41.6  |
|                           | 7         | 5.4   | 0.11  | 14.63 | 15.65 | 19.40 | 0.03  | 9.12  | 0.20  | 44.8  |
|                           | 8         | 4.2   | 0.07  | 11.30 | 11.83 | 12.92 | 0.03  | 7.26  | 0.13  | 37.7  |
|                           | 9         | 4.3   | 0.07  | 11.56 | 11.66 | 14.26 | 0.03  | 7.23  | 0.14  | 33.7  |
|                           | 10        | 5.1   | 0.07  | 13.86 | 15.37 | 15.60 | 0.03  | 8.18  | 0.19  | 41.5  |
|                           | 11        | 4.5   | 0.07  | 12.42 | 13.14 | 15.10 | 0.03  | 7.65  | 0.15  | 39.7  |
|                           | 12        | 5.4   | 0.07  | 13.60 | 12.40 | 16.66 | 0.05  | 8.20  | 0.14  | 42.0  |
| ESC-RCB                   | 1         | 6.4   | 0.07  | 18.12 | 11.91 | 21.24 | 0.07  | 11.53 | 0.07  | 52.6  |
|                           | 2         | 6.5   | 0.07  | 17.63 | 13.56 | 24.09 | 0.10  | 11.62 | 0.09  | 53.1  |
|                           | 3         | 6.5   | 0.09  | 17.23 | 15.45 | 22.95 | 0.03  | 12.30 | 0.14  | 52.7  |
|                           | 4         | 5.5   | 0.07  | 18.72 | 12.63 | 18.94 | 0.03  | 16.01 | 0.07  | 55.7  |
|                           | 5         | 6.7   | 0.06  | 19.64 | 11.30 | 18.92 | 0.07  | 13.02 | 0.06  | 54.8  |
|                           | 6         | 7.2   | 0.07  | 17.97 | 13.52 | 20.98 | 0.03  | 11.74 | 0.09  | 57.6  |
|                           | 7         | 7.0   | 0.07  | 17.64 | 14.07 | 20.68 | 0.03  | 11.39 | 0.10  | 55.2  |
|                           | 8         | 6.4   | 0.07  | 17.58 | 14.48 | 20.38 | 0.03  | 11.54 | 0.07  | 62.4  |
|                           | 9         | 6.2   | 0.05  | 17.11 | 11.60 | 18.59 | 0.03  | 11.47 | 0.07  | 50.6  |
|                           | 10        | 7.1   | 0.07  | 18.60 | 12.86 | 21.56 | 0.03  | 11.74 | 0.08  | 56.2  |
|                           | 11        | 7.4   | 0.10  | 16.50 | 12.36 | 38.93 | 0.03  | 10.57 | 0.08  | 53.2  |
|                           | 12        | 9.1   | 0.07  | 19.13 | 13.73 | 22.92 | 0.07  | 11.34 | 0.10  | 54.6  |
| ESC-RFA                   | 1         | 13.7  | 0.12  | 26.28 | 31.34 | 36.04 | 0.03  | 16.08 | 0.21  | 87.9  |
|                           | 2         | 12.9  | 0.10  | 24.72 | 30.51 | 29.58 | 0.03  | 15.26 | 0.18  | 84.4  |
|                           | 3         | 14.4  | 0.13  | 29.00 | 35.24 | 33.14 | 0.03  | 17.72 | 0.22  | 95.0  |
|                           | 4         | 13.3  | 0.13  | 28.13 | 34.68 | 32.17 | 0.03  | 17.27 | 0.22  | 93.8  |
|                           | 5         | 12.8  | 0.12  | 27.67 | 33.31 | 31.43 | 0.03  | 17.06 | 0.21  | 91.0  |
|                           | 6         | 13.3  | 0.14  | 28.00 | 36.67 | 31.66 | 0.03  | 17.21 | 0.24  | 94.2  |
|                           | 7         | 12.7  | 0.12  | 26.28 | 32.02 | 30.53 | 0.08  | 16.21 | 0.20  | 87.8  |
|                           | 8         | 13.2  | 0.13  | 26.18 | 31.86 | 30.09 | 0.03  | 15.95 | 0.21  | 87.6  |
|                           | 9         | 12.4  | 0.10  | 24.25 | 29.70 | 28.47 | 0.03  | 14.87 | 0.20  | 81.7  |
|                           | 10        | 12.1  | 0.10  | 23.37 | 28.77 | 28.25 | 0.03  | 14.09 | 0.18  | 79.5  |
|                           | 11        | 13.6  | 0.12  | 26.94 | 33.90 | 31.26 | 0.03  | 16.28 | 0.22  | 90.3  |
|                           | 12        | 11.8  | 0.10  | 22.98 | 29.75 | 27.27 | 0.03  | 14.02 | 0.19  | 79.1  |
| ESC-RFB                   | 1         | 14.1  | 0.13  | 30.71 | 29.99 | 34.36 | 0.03  | 20.40 | 0.13  | 96.2  |
|                           | 2         | 12.9  | 0.11  | 30.25 | 29.27 | 33.08 | 0.10  | 20.24 | 0.12  | 93.8  |
|                           | 3         | 13.3  | 0.09  | 31.86 | 30.59 | 34.69 | 0.05  | 21.24 | 0.13  | 98.5  |
|                           | 4         | 12.9  | 0.08  | 30.67 | 29.30 | 33.13 | 0.03  | 20.33 | 0.12  | 94.7  |
|                           | 5         | 13.1  | 0.10  | 32.10 | 31.36 | 34.85 | 0.03  | 21.62 | 0.13  | 98.7  |
|                           | 6         | 13.3  | 0.10  | 31.05 | 29.27 | 33.54 | 0.03  | 20.75 | 0.12  | 96.2  |
|                           | 7         | 13.1  | 0.11  | 31.29 | 29.94 | 33.46 | 0.03  | 20.86 | 0.12  | 97.3  |
|                           | 8         | 13.4  | 0.10  | 32.52 | 30.59 | 35.85 | 0.05  | 21.57 | 0.13  | 100.4 |
|                           | 9         | 13.0  | 0.10  | 31.40 | 30.32 | 34.85 | 0.03  | 20.95 | 0.13  | 96.7  |
|                           | 10        | 13.6  | 0.11  | 33.32 | 31.58 | 34.85 | 0.03  | 22.47 | 0.15  | 100.4 |
|                           | 11        | 13.6  | 0.11  | 32.54 | 31.23 | 34.82 | 0.03  | 21.84 | 0.13  | 99.7  |
|                           | 12        | 13.4  | 0.12  | 32.04 | 31.15 | 33.73 | 0.09  | 21.49 | 0.13  | 98.7  |
| MW                        | 1         | 12.4  | 0.13  | 40.34 | 68.57 | 43.13 | 0.08  | 23.84 | 0.88  | 142.8 |
|                           | 2         | 11.0  | 0.09  | 37.70 | 59.60 | 39.59 | 0.06  | 22.15 | 0.87  | 128.8 |
|                           | 3         | 10.6  | 0.10  | 37.33 | 61.97 | 38.76 | 0.06  | 21.90 | 0.91  | 128.8 |
|                           | 4         | 11.7  | 0.11  | 40.70 | 65.19 | 42.77 | 0.07  | 24.19 | 0.79  | 139.8 |
|                           | 5         | 11.9  | 0.10  | 38.91 | 64.23 | 40.73 | 0.06  | 23.22 | 0.78  | 134.5 |
|                           | 6         | 11.5  | 0.12  | 38.73 | 68.83 | 41.11 | 0.08  | 23.14 | 0.81  | 137.7 |
|                           | 7         | 11.4  | 0.12  | 38.69 | 66.20 | 40.94 | 0.06  | 22.74 | 0.83  | 132.8 |
|                           | 8         | 11.1  | 0.12  | 40.27 | 65.08 | 42.10 | 0.09  | 23.40 | 0.88  | 137.7 |
|                           | 9         | 11.9  | 0.12  | 39.64 | 66.04 | 41.37 | 0.08  | 23.59 | 0.84  | 140.1 |
|                           | 10        | 12.7  | 0.09  | 41.60 | 69.86 | 43.67 | 0.07  | 24.61 | 0.86  | 140.3 |
|                           | 11        | 12.3  | 0.11  | 39.89 | 65.36 | 42.34 | 0.08  | 23.58 | 0.82  | 139.6 |
|                           | 12        | 11.3  | 0.10  | 38.39 | 62.73 | 41.76 | 0.03  | 22.81 | 0.73  | 132.9 |

Note: Near-field stations (ESC-RNA, ESC-RNB); Mid-field stations (ESC-RMA, ESC-RMB); Far-field stations (ESC-RFA, ESC-RFB); Capped Pit stations (ESC-RCA, ESC-RCB); Ma Wan station (MW).