# Dial A Dump (EC) Pty Ltd
## Groundwater Quality Monitoring

**Licensee: Dial A Dump (EC) Pty Ltd**
**Address: Genesis Waste Facility, Honeycomb Drive, Eastern Creek**
**EPL Nos. 13426**

*Disclaimer: Monitoring data contained in this document is made available as required by Section 66(6) of the Protection of the Environment Operations Act 1997 and in accordance with the requirements issued in writing by the Environment Protection Authority. To the best of the Licensees' knowledge, the data in this table is correct, except where specifically noted. The information and data in this table must not be published elsewhere or used in any way without prior consent from the Licencees. For more details on publication of pollution monitoring data refer to the NSW EPA Website www.epa.nsw.gov.au*

| BH2i | | 2015 | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | | | 2020 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pollutant | Units | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| *C10 - C14 | µg/L | | | <50 | | | | <50 | | | | <50 | | | | <50 | | | | 560 | | | |
| *C15 - C28 | µg/L | | | <100 | | | | <100 | | | | <100 | | | | <100 | | | | 290 | | | |
| *C29 - C36 | µg/L | | | <50 | | | | <50 | | | | <50 | | | | <100 | | | | <100 | | | |
| *C6 - C9 | µg/L | | | <20 | | | | <20 | | | | <20 | | | | <10 | | | | <10 | | | |
| *meta & para-Xylene | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <1 | | | | <2 | | | |
| *Naphthalene | µg/L | | | <5 | | | | <5 | | | | <5 | | | | <1 | | | | <1 | | | |
| *Nitrate | mg/L | <0.01 | 0.01 | <0.01 | 0.06 | - | 0.27 | 0.05 | <0.01 | 0.4 | <0.01 | <0.01 | <0.01 | 0.02 | 0.098 | 0.03 | <0.05 | <0.005 | 0.33 | <0.005 | <0.005 | <0.005 | <0.005 |
| *Nitrite | mg/L | 0.03 | <0.01 | <0.01 | <0.01 | - | 0.02 | <0.01 | <0.01 | 0.06 | <0.01 | 0.02 | <0.01 | <0.005 | 0.015 | <0.005 | <0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| *ortho-Xylene | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <1 | | | | <1 | | | |
| Alkalinity | mg/L | 622 | 386 | 506 | 568 | 623 | 490 | 666 | 885 | 42 | 477 | 547 | 971 | 130 | 100 | 150 | 610 | 620 | 570 | 350 | 650 | 510 | 500 |
| Aluminium | mg/L | | | <0.01 | | | | <0.01 | | | | <0.01 | | | | 0.05 | | | | 0.04 | | | |
| Arsenic | mg/L | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | 0.002 | | | |
| Barium | mg/L | | | 2.82 | | | | 19.5 | | | | 49.7 | | | | 0.061 | | | | 1.6 | | | |
| Benzene | µg/L | | | <1 | | | | <1 | | | | <1 | | | | <1 | | | | <1 | | | |
| Cadmium | mg/L | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | |
| Calcium | mg/L | 112 | 10 | 125 | 107 | 100 | 125 | 275 | 253 | 11 | 125 | 264 | 179 | 48 | 44 | 55 | 31 | 25 | 42 | 85 | 51 | 83 | 85 |
| Chloride | mg/L | 1670 | 75 | 1180 | 958 | 1030 | 1520 | 3440 | 3110 | 31 | 718 | 4350 | 3220 | 12 | 14 | 9 | 780 | 950 | 1200 | 430 | 1500 | 760 | 670 |
| Chromium | mg/L | | | 0.002 | | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | 0.002 | | | |
| Copper | mg/L | | | <0.001 | | | | 0.001 | | | | 0.004 | | | | 0.002 | | | | 0.001 | | | |
| Electrical Conductivity | µS/cm | 301.3 | 310.6 | 3210 | 3730 | 3810 | | 3810 | 3550 | 3651 | 2835 | 3335 | 3273 | 419 | 310.2 | 394.5 | 351 | 4474 | 5083 | 2605 | 5897 | 2125 | 2266 |
| Ethyl Benzene | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <1 | | | | <1 | | | |
| Fluoride | mg/L | | | 0.2 | | | | 0.4 | | | | 0.3 | 0.2 | | | 0.2 | | | | 0.3 | | | |
| Lead | mg/L | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | <0.001 | | | |
| Magnesium | mg/L | 139 | 3 | 108 | 17 | 17 | 124 | 95 | 229 | 5 | 12 | 127 | 213 | 1.3 | 1.5 | 2.8 | 11 | 14 | 17 | 8 | 24 | 13 | 15 |
| Manganese | mg/L | | | 0.083 | | | | 0.078 | | | | 0.156 | | | | 0.099 | | | | 0.11 | | | |
| Mercury | mg/L | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | | <0.0005 | | | | <0.00005 | | | |
| Nitrate + nitrite | mg/L | 0.01 | 0.01 | <0.01 | 0.06 | <0.01 | 0.29 | 0.05 | <0.01 | 0.46 | <0.01 | 0.01 | <0.01 | 0.02 | 0.113 | 0.03 | <0.05 | <0.005 | 0.3 | <0.005 | <0.005 | <0.005 | <0.005 |
| Nitrogen (ammonia) | mg/L | 1.99 | 0.47 | 1.11 | 2.56 | 3.53 | 0.11 | 16.4 | 3.82 | 0.02 | 4.42 | 9.04 | 3.77 | 1.1 | 0.27 | 1.1 | 1.7 | 3.4 | 3.8 | 3.7 | 4.6 | 4.3 | 4.7 |
| pH | | 8.41 | 8.31 | 8.24 | 6.99 | 7.07 | | 7.01 | 7.5 | 7.21 | 8.68 | 7.8 | 7.89 | 7.27 | 8.06 | 8.02 | 8.1 | 7.61 | 7.52 | 6.7 | 7.07 | 7.44 | 6.94 |
| Phenols | µg/L | | | 4.3 | | | | <1 | | | | <1.0 | | | | <0.5 | | | | <0.05 | | | |
| Phosporus | mg/L | | | 0.14 | | | | <0.02 | | | | 0.03 | | | | 0.3 | | | | 0.2 | | | |
| Potassium | mg/L | 23 | 12 | 22 | 18 | 16 | 16 | 84 | 29 | 2 | 15 | 75 | 26 | 4.3 | 4.4 | 5.6 | 18 | 18 | 21 | 11 | 21 | 14 | 16 |
| Redox | mV | 39.6 | 40.3 | 39.3 | -28.5 | -33.8 | | -29.8 | -33.6 | -37.1 | -220.2 | -96.6 | -117.9 | -186 | -99.1 | 167.1 | -199.3 | -158.6 | -204.5 | -220.8 | -203.2 | -192.9 | -173.7 |
| Sodium | mg/L | 1080 | 236 | 812 | 735 | 769 | 943 | 2030 | 1730 | 18 | 525 | 3210 | 1660 | 12 | 15 | 27 | 770 | 950 | 980 | 360 | 1300 | 600 | 710 |
| Standing water level | m AHD | 25.11 | 24.535 | 36.304 | 30.558 | 39.03 | 34.16 | 38.184 | 44.402 | 44.1 | 45.112 | 47.675 | 46.91 | 46.61 | 47.86 | 47.92 | 69.22 | 26.29 | 31.33 | 33.94 | 36.17 | 37.67 | 40.94 |
| Sulphate | mg/L | 34 | 23 | 92 | <10 | 40 | 5 | 13 | <1 | 9 | 90 | <1 | <1 | 21 | 48 | 45 | 9 | 6 | 2 | 68 | 4 | 23 | 19 |
| Toluene | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <1 | | | | <1 | | | |
| Total organic carbon | mg/L | | | 2 | | | | 2 | | | | 4 | | | | 9 | | | | 26 | | | |
| Total Petroleum Hydrocarbons | µg/L | | | <50 | | | | <50 | | | | <50 | | | | <100 | | | | 850 | | | |
| Xylene | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <1 | | | | <2 | | | |
| Zinc | mg/L | | | <0.005 | | | | 0.018 | | | | 0.041 | | | | 0.008 | | | | 0.011 | | | |