# 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**

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| BH18d | | 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 |
| Alkalinity (total) as CaCO3 | mg/L | 465 | 134 | 652 | 49 | 679 | 293 | 468 | 46 | 153 | 47 | 459 | 533 | 540 | 550 | 570 | 920 | 840 | 810 | 850 | 870 | 820 | 770 |
| Aluminium (filtered) | mg/L | | | <0.01 | | | | <0.01 | | | | <0.01 | | | | <0.01 | | | | 0.01 | | | |
| Arsenic (filtered) | mg/L | | | <0.001 | | | | 0.001 | | | | <0.001 | | | | <0.001 | | | | <0.001 | | | |
| Barium (filtered) | mg/L | | | 26 | | | | 15.1 | | | | 5.9 | | | | 2.3 | | | | 1.8 | | | |
| Benzene | µg/L | | | 1 | | | | <1 | | | | <1 | | | | <1 | | | | <1 | | | |
| Cadmium (filtered) | mg/L | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | |
| Calcium (filtered) | mg/L | 404 | 76 | 259 | 18 | 142 | 6 | 235 | 17 | 10 | 13 | 136 | 92 | 76 | 150 | 91 | 310 | 140 | 160 | 170 | 180 | 170 | 190 |
| Chloride | mg/L | 5,330 | 58 | 3,880 | 30 | 3,460 | 89 | 3,570 | 29 | 47 | 29 | 3,520 | 3,720 | 3,200 | 3,500 | 3,400 | 3,200 | 2,600 | 3,400 | 3,500 | 3,200 | 3,400 | 3,600 |
| Chromium (III+VI) (filtered) | mg/L | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | 0.004 | | | |
| Copper (filtered) | mg/L | | | <0.001 | | | | <0.001 | | | | 0.009 | | | | 0.03 | | | | 0.006 | | | |
| EC (field) | uS/cm | 15,820 | 15,800 | 11,590 | 15,850 | 11,800 | 12,050 | 11,180 | 12,720 | 11,983 | 11,961 | 16,706 | 6,853 | 11,010 | 11,125 | 5,418 | 10,929 | 10,311 | 10,322 | 51.26 | 10,890 | 9,866 | 11,424 |
| Ethylbenzene | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <1 | | | | <1 | | | |
| Fluoride | mg/L | | | 0.2 | | | | 0.2 | | 1.3 | 1 | 0.3 | 0.4 | | | 0.3 | | | | 0.4 | | | |
| Lead (filtered) | mg/L | | | <0.001 | | | | <0.001 | | | | <0.001 | | | | 0.003 | | | | <0.001 | | | |
| Magnesium (filtered) | mg/L | 200 | 11 | 109 | 5 | 15 | 2 | 107 | 6 | 2 | 4 | 30 | 18 | 19 | 26 | 26 | 80 | 19 | 21 | 22 | 24 | 25 | 29 |
| Manganese (filtered) | mg/L | | | 0.021 | | | | 0.048 | | | | 0.039 | | | | <0.005 | | | | 0.17 | | | |
| Mercury (filtered) | mg/L | | | <0.0001 | | | | <0.0001 | | | | <0.0001 | | | | 0.00005 | | | | <0.00005 | | | |
| Nitrogen (Total Oxidised) | mg/L | <0.01 | 2.06 | 0.02 | 0.59 | 4.2 | 0.05 | <0.01 | 0.4 | 0.08 | 0.21 | <0.01 | 0.03 | 0.051 | | 0.007 | <0.005 | <0.005 | 0.2 | 0.007 | <0.005 | <0.005 | <0.005 |
| Ammonia | mg/L | 7.26 | 0.06 | 5.71 | <0.01 | 7.55 | 1.4 | 4.77 | 0.03 | 0.04 | 0.04 | 1.58 | 9.28 | 22 | 13 | 13 | 8.2 | 14 | 14 | 15 | 16 | 15 | 15 |
| pH (Field) | - | 6.03 | 6.01 | 7.6 | 6.01 | 7.75 | 7.51 | 6.94 | 7.05 | 7.17 | 7.07 | 8.1 | 7.76 | 7.7 | 7.43 | 7.73 | 7.11 | 7.28 | 7.35 | 5.78 | 6.67 | 6.84 | 7.16 |
| Phenolics Total | µg/L | | | | | | | | | | | <50 | | | | <50 | | | | <50 | | | |
| Phosphorus | mg/L | | | <0.01 | | | | 0.04 | | | | <0.01 | | | | <0.05 | | | | 0.1 | | | |
| Potassium (filtered) | mg/L | 48 | 3 | 68 | 2 | 106 | 9 | 74 | 2 | 4 | 2 | 127 | 131 | 140 | 370 | 150 | 98 | 130 | 130 | 140 | 140 | 120 | 120 |
| Redox Potential (Field) | mV | 98.7 | 100.3 | -14 | -38.7 | -19.4 | -24.7 | -30.2 | -28.25 | -27.72 | -28.7 | -1 | 124.6 | -9 | 49.3 | 8.6 | -122 | -157.9 | -166.5 | -49.3 | -140.2 | -264.0 | 69.3 |
| Sodium (filtered) | mg/L | 3,640 | 72 | 2,010 | 16 | 1,800 | 209 | 2,040 | 19 | 117 | 18 | 2,290 | 2,140 | 2,700 | 5,300 | 2,900 | 2,100 | 1,800 | 2,000 | 2,200 | 2,400 | 2,100 | 1,800 |
| Sulphate | mg/L | <10 | 182 | <1 | 9 | 37 | 17 | 6 | 11 | 30 | 10 | 65 | 16 | 110 | 26 | 15 | <1 | 23 | 25 | 18 | 7 | <1 | 6 |
| Toluene | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <1 | | | | <1 | | | |
| TOC | mg/L | | | <1 | | | | 16 | | | | 22 | | | | 31 | | | | 35 | | | |
| Xylene Total | µg/L | | | <2 | | | | <2 | | | | <2 | | | | | | | | | | | |
| Xylene (m & p) | µg/L | | | <2 | | | | <2 | | | | <2 | | | | <2 | | | | <2 | | | |
| Zinc (filtered) | mg/L | | | 0.012 | | | | 0.016 | | | | 0.032 | | | | 0.041 | | | | 16 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| C10-C14 | µg/L | | | <50 | | | | <50 | | | | <50 | | | | <50 | | | | 54 | | | |
| C10-C16 | mg/L | | | <0.1 | | | | <0.1 | | | | <0.1 | | | | <0.05 | | | | 0.08 | | | |
| C15-C28 | µg/L | | | <100 | | | | <100 | | | | <100 | | | | <100 | | | | 120 | | | |
| C16-C34 | mg/L | | | <0.1 | | | | <0.1 | | | | <0.1 | | | | <0.1 | | | | <0.1 | | | |
| C29-C36 | µg/L | | | <50 | | | | <50 | | | | <50 | | | | <100 | | | | <100 | | | |
| C34-C40 | mg/L | | | <0.1 | | | | <0.1 | | | | <0.1 | | | | <0.1 | | | | <0.1 | | | |
| C6-C10 | mg/L | | | <0.02 | | | | <0.02 | | | | <0.02 | | | | <0.01 | | | | <0.01 | | | |
| C6-C9 | µg/L | | | <20 | | | | <20 | | | | <20 | | | | <10 | | | | <10 | | | |
| F2 minus Naphthalene | mg/L | | | <0.1 | | | | <0.1 | | | | <0.1 | | | | <0.05 | | | | 0.08 | | | |
| C10-C40 (Sum of total) | µg/L | | | <100 | | | | <100 | | | | <100 | | | | | | | | | | | |
| +C10-C36 (Sum of total) | µg/L | | | <50 | | | | <50 | | | | <50 | | | | | | | | | | | |

| BH18d | | 2021 | | | | 2022 | | | | 2023 | | | | 2024 | | | | 2025 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pollutant | Units | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Alkalinity (total) as CaCO3 | mg/L | 820 | 820 | | | | | | | | | | | | | | | | | | |
| Aluminium (filtered) | mg/L | 0.01 | | | | | | | | | | | | | | | | | | | |
| Arsenic (filtered) | mg/L | <0.001 | | | | | | | | | | | | | | | | | | | |
| Barium (filtered) | mg/L | 8.3 | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | <1 | | | | | | | | | | | | | | | | | | | |
| Cadmium (filtered) | mg/L | <0.0001 | | | | | | | | | | | | | | | | | | | |
| Calcium (filtered) | mg/L | 200 | 180 | | | | | | | | | | | | | | | | | | |
| Chloride | mg/L | 3,400 | 3,400 | | | | | | | | | | | | | | | | | | |
| Chromium (III+VI) (filtered) | mg/L | <0.001 | | | | | | | | | | | | | | | | | | | |
| Copper (filtered) | mg/L | <0.001 | | | | | | | | | | | | | | | | | | | |
| EC (field) | uS/cm | 11,274 | 10,889 | | | | | | | | | | | | | | | | | | |
| Ethylbenzene | µg/L | <1 | | | | | | | | | | | | | | | | | | | |
| Fluoride | mg/L | 0.5 | | | | | | | | | | | | | | | | | | | |
| Lead (filtered) | mg/L | <0.001 | | | | | | | | | | | | | | | | | | | |
| Magnesium (filtered) | mg/L | 30 | 28 | | | | | | | | | | | | | | | | | | |
| Manganese (filtered) | mg/L | 0.16 | | | | | | | | | | | | | | | | | | | |
| Mercury (filtered) | mg/L | <0.00005 | | | | | | | | | | | | | | | | | | | |
| Nitrogen (Total Oxidised) | mg/L | 0.006 | | | | | | | | | | | | | | | | | | | |
| Ammonia | mg/L | 16 | 15 | | | | | | | | | | | | | | | | | | |
| pH (Field) | - | 7.26 | 6.88 | | | | | | | | | | | | | | | | | | |
| Phenolics Total | µg/L | <50 | | | | | | | | | | | | | | | | | | | |
| Phosphorus | mg/L | <0.05 | | | | | | | | | | | | | | | | | | | |
| Potassium (filtered) | mg/L | 120 | 130 | | | | | | | | | | | | | | | | | | |
| Redox Potential (Field) | mV | -175.0 | -106.9 | | | | | | | | | | | | | | | | | | |
| Sodium (filtered) | mg/L | 2,200 | 2,300 | | | | | | | | | | | | | | | | | | |
| Sulphate | mg/L | <1 | 2 | | | | | | | | | | | | | | | | | | |
| Toluene | µg/L | <1 | | | | | | | | | | | | | | | | | | | |
| TOC | mg/L | 3 | | | | | | | | | | | | | | | | | | | |
| Xylene Total | µg/L | | | | | | | | | | | | | | | | | | | | |
| Xylene (m & p) | µg/L | <2 | | | | | | | | | | | | | | | | | | | |
| Zinc (filtered) | mg/L | 0.007 | | | | | | | | | | | | | | | | | | | |
| TPH | | | | | | | | | | | | | | | | | | | | | |
| C10-C14 | µg/L | <50 | | | | | | | | | | | | | | | | | | | |
| C10-C16 | mg/L | <0.05 | | | | | | | | | | | | | | | | | | | |
| C15-C28 | µg/L | <100 | | | | | | | | | | | | | | | | | | | |
| C16-C34 | mg/L | <0.1 | | | | | | | | | | | | | | | | | | | |
| C29-C36 | µg/L | <100 | | | | | | | | | | | | | | | | | | | |
| C34-C40 | mg/L | <0.1 | | | | | | | | | | | | | | | | | | | |
| C6-C10 | mg/L | <0.01 | | | | | | | | | | | | | | | | | | | |
| C6-C9 | µg/L | <10 | | | | | | | | | | | | | | | | | | | |
| F2 minus Naphthalene | mg/L | <0.05 | | | | | | | | | | | | | | | | | | | |
| C10-C40 (Sum of total) | µg/L | | | | | | | | | | | | | | | | | | | | |
| +C10-C36 (Sum of total) | µg/L | | | | | | | | | | | | | | | | | | | | |