

**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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| BH13i                        |       | 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      |       |       |        | 54       |    |    |    |
| *C15 - C28                   | µg/L  |       |        | <100    |        |       |        | <100    |        |       |       | <100    |        |       |       | <100     |       |       |        | <100     |    |    |    |
| *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  | 0.03  | 0.27   | 0.4     | 0.19   | -     | <0.01  | 0.08    | 0.27   | 0.3   | 0.18  | 0.14    | 0.18   | 0.34  | 0.3   | 0.47     | 0.41  | 0.32  | 0.39   | 0.39     |    |    |    |
| *Nitrite                     | mg/L  | <0.01 | 0.52   | 0.62    | 0.42   | -     | 0.29   | 0.25    | 0.22   | 0.16  | 0.12  | 0.11    | 0.1    | 0.11  | 0.17  | 0.21     | 0.22  | 0.24  | 0.26   | 0.24     |    |    |    |
| *ortho-Xylene                | µg/L  |       |        | <2      |        |       |        | <2      |        |       |       | <2      |        |       |       | <1       |       |       |        | <1       |    |    |    |
| Alkalinity                   | mg/L  | 1780  | 413    | 480     | 622    | 1030  | 588    | 665     |        |       | 543   | 588     | 537    | 540   | 650   | 600      | 530   | 520   | 510    | 500      |    |    |    |
| Aluminium                    | mg/L  |       |        | 0.05    |        |       |        | 0.06    |        |       |       | 0.08    |        |       |       | 0.24     |       |       |        | 0.33     |    |    |    |
| Arsenic                      | mg/L  |       |        | <0.001  |        |       |        | 0.001   |        |       |       | <0.001  |        |       |       | <0.001   |       |       |        | <0.001   |    |    |    |
| Barium                       | mg/L  |       |        | 0.912   |        |       |        | 0.961   |        |       |       | 0.983   |        |       |       | 0.85     |       |       |        | 0.84     |    |    |    |
| Benzene                      | µg/L  |       |        | 2       |        |       |        | 2       |        |       |       | 2       |        |       |       | <1       |       |       |        | <1       |    |    |    |
| Cadmium                      | mg/L  |       |        | <0.0001 |        |       |        | <0.0001 |        |       |       | <0.0001 |        |       |       | <0.0001  |       |       |        | <0.0001  |    |    |    |
| Calcium                      | mg/L  | 565   | 256    | 308     | 379    | 348   | 386    | 416     | 368    | 341   | 278   | 322     | 376    | 310   | 390   | 390      | 340   | 340   | 370    | 320      |    |    |    |
| Chloride                     | mg/L  | 4580  | 1130   | 1110    | 1010   | 1260  | 1140   | 1150    | 1020   | 1130  | 1130  | 1150    | 1090   | 1200  | 1200  | 1100     | 1100  | 1000  | 6600   | 1300     |    |    |    |
| Chromium                     | mg/L  |       |        | 0.002   |        |       |        | 0.004   |        |       |       | 0.002   |        |       |       | 0.003    |       |       |        | 0.003    |    |    |    |
| Copper                       | mg/L  |       |        | 0.002   |        |       |        | 0.01    |        |       |       | 0.001   |        |       |       | 0.022    |       |       |        | 0.015    |    |    |    |
| Electrical Conductivity      | µS/cm | 13112 | 4375   | 6160    | 6020   | 5710  | 6900   | 6340    | 6040   | 5940  | 5408  | 6426    | 4036   | 4010  | 6132  | 5700     | 5243  | 5535  | 5810   | 5969     |    |    |    |
| Ethyl Benzene                | µg/L  |       |        | <2      |        |       |        | <2      |        |       |       | <2      |        |       |       | <1       |       |       |        | <1       |    |    |    |
| Fluoride                     | mg/L  |       |        | 6.3     |        |       | 0.3    | 0.3     |        |       |       | 0.3     | 0.3    |       |       | 0.3      |       |       |        | 0.2      |    |    |    |
| Lead                         | mg/L  |       |        | 0.008   |        |       |        | 0.013   |        |       |       | 0.003   |        |       |       | 0.01     |       |       |        | 0.006    |    |    |    |
| Magnesium                    | mg/L  | 192   | <1     | <1      | <1     | <1    | <1     | <1      | <1     | <1    | <1    | <1      | <1     | <0.5  | <0.5  | <0.5     | <0.5  | <0.5  | <0.5   | <0.5     |    |    |    |
| Manganese                    | mg/L  |       |        | <0.001  |        |       |        | <0.001  |        |       |       | <0.001  |        |       |       | <0.005   |       |       |        | <0.005   |    |    |    |
| Mercury                      | mg/L  |       |        | <0.0001 |        |       |        | <0.0001 |        |       |       | <0.0001 |        |       |       | <0.00005 |       |       |        | <0.00005 |    |    |    |
| Nitrate + nitrite            | mg/L  | 0.03  | 0.79   | 1.02    | 0.61   | 0.15  | 0.27   | 0.33    | 0.49   | 0.46  | 0.3   | 0.25    | 0.28   | 0.45  | 0.47  | 0.68     | 0.63  | 0.56  | 0.65   | 0.63     |    |    |    |
| Nitrogen (ammonia)           | mg/L  | 8.83  | 5.39   | 9.01    | 8.41   | 3.51  | 5.75   | 9.28    | 8.91   | 8.24  | 8.74  | 8.46    | 8.8    | 2.3   | 5.5   | 5.7      | 7.5   | 5.2   | 7.4    | 6.9      |    |    |    |
| pH                           |       | 6.02  | 11.74  | 12.36   | 11.68  | 12.01 | 11.73  | 12.05   | 11.94  | 11.59 | 11.05 | 12.11   | 11.93  | 12.06 | 11.87 | 11.9     | 11.64 | 11.79 | 11.69  | 11.91    |    |    |    |
| Phenols                      | µg/L  |       |        | <1      |        |       |        | <0.05   |        |       |       | <1.0    |        |       |       | <50      |       |       |        | <0.05    |    |    |    |
| Phosphorus                   | mg/L  |       |        | <0.01   |        |       |        | 0.09    |        |       |       | <0.01   |        |       |       | 0.2      |       |       |        | <0.05    |    |    |    |
| Potassium                    | mg/L  | 81    | 26     | 21      | 24     | 21    | 23     | 23      | 20     | 20    | 26    | 22      | 21     | 25    | 26    | 25       | 23    | 19    | 20     | 22       |    |    |    |
| Redox                        | mV    | 28.9  | -63.1  | -294.9  | -309   | -317  | -317.6 | -331.4  | -319   | -325  | -96.2 | -104.2  | -76    | -91   | -5.4  | -63.9    | -16.8 | -74.9 | -116.8 | -85.6    |    |    |    |
| Sodium                       | mg/L  | 3710  | 704    | 615     | 673    | 648   | 665    | 665     | 638    | 617   | 654   | 610     | 593    | 780   | 870   | 900      | 640   | 610   | 580    | 660      |    |    |    |
| Standing water level         | m AHD | 60.37 | 60.425 | 62.977  | 62.425 | 63.75 | 62.37  | 61.023  | 61.534 | 61.59 | 61.37 | 61.227  | 61.152 | 59.15 | 58.33 | 57.09    | 56.11 | 55.89 | 55.95  | 55.59    |    |    |    |
| Sulphate                     | mg/L  | <10   | 10     | 8       | 6      | 6     | 5      | 2       | 6      | 6     | 7     | 5       | 7      | 8     | 9     | 12       | 8     | 11    | <1     | 9        |    |    |    |
| Toluene                      | µg/L  |       |        | <2      |        |       |        | <2      |        |       |       | <2      |        |       |       | <1       |       |       |        | <1       |    |    |    |
| Total organic carbon         | mg/L  |       |        | 5       |        |       |        | 19      |        |       |       | 6       |        |       |       | 12       |       |       |        | 10       |    |    |    |
| Total Petroleum Hydrocarbons | µg/L  |       |        | 20      |        |       |        | <50     |        |       |       | <50     |        |       |       | <100     |       |       |        | 54       |    |    |    |
| Xylene                       | µg/L  |       |        | <2      |        |       |        | <2      |        |       |       | <2      |        |       |       | <1       |       |       |        | <2       |    |    |    |
| Zinc                         | mg/L  |       |        | 0.006   |        |       |        | 0.025   |        |       |       | <0.005  |        |       |       | 0.086    |       |       |        | 0.022    |    |    |    |