

| Sample Identity | Date       | pH @ 25°C | EC @ 25°C | COD  | Alkalinity   | NH3-N | Chloride | Nitrate | Nitrite | Phosphate | Ca   | As    | Cd    | Cu    | Hg    |
|-----------------|------------|-----------|-----------|------|--------------|-------|----------|---------|---------|-----------|------|-------|-------|-------|-------|
|                 |            |           | µS/cm     | mg/l | g/l as CaCO3 | mg/l  | mg/l     | mg/l    | mg/l    | mg/l      | mg/l | µg/l  | mg/l  | mg/l  | µg/l  |
| BH3S            | 15/01/2020 |           |           |      |              |       |          |         |         |           |      |       |       |       |       |
| BH6S            | 15/01/2020 |           |           |      |              |       |          |         |         |           |      |       | <0.15 | <0.20 | <0.10 |
| BH15S           | 15/01/2020 |           |           |      |              |       |          |         |         |           |      |       | <0.15 | <0.20 |       |
| BH3S            | 05/02/2020 | >12       | 1980      | 77   | 410          | 2.03  | 59.6     | 3.61    | <0.03   | 1.88      | 198  | 19.80 |       |       |       |
| BH4S            | 05/02/2020 | 7.6       | 517       | 129  | 166          | 2.54  | 60.1     | 4.16    | <0.03   | 2.00      | 41.9 | 12.4  |       |       |       |
| BH6S            | 05/02/2020 | 8.2       | 270       | 19   | 89           | <0.05 | 25.22    | 3.92    | <0.03   | <0.03     | 38.4 | 2.70  |       |       |       |
| BH9S            | 05/02/2020 | 7.2       | 437       | 10   | 129          | 2.44  | 53.9     | 3.47    | <0.03   | 2.62      | 45.3 | 54.30 |       |       |       |
| BH9D            | 05/02/2020 | 7.1       | 1070      | 52   | 310          | 3.46  | 89.8     | 3.93    | <0.03   | <0.03     | 175  | 33.70 |       |       |       |
| BH15S           | 05/02/2020 | 8.0       | 282       | 216  | 106          | <0.05 | 21.44    | 3.61    | <0.03   | <0.03     | 39.4 | 0.60  |       |       |       |
| BH15D           | 05/02/2020 | 8.1       | 391       | 40   | 168          | <0.05 | 20.95    | 4.25    | <0.03   | <0.03     | 66.1 | 0.8   |       |       |       |
| BH16S           | 05/02/2020 | 7.9       | 357       | 12   | 158          | <0.05 | 15.86    | 3.95    | <0.03   | <0.03     | 62.7 | 3.4   |       |       |       |
| BH16D           | 05/02/2020 | 7.5       | 403       | <4   | 176          | <0.05 | 20.23    | 3.84    | <0.03   | <0.03     | 61.2 | 0.9   |       |       |       |
| BH17S           | 05/02/2020 | 7.8       | 262       | 163  | 94           | <0.05 | 18.94    | 3.64    | <0.03   | <0.03     | 39.3 | 2     |       |       |       |
| BH18S           | 05/02/2020 | 8.2       | 292       | 98   | 121          | 3.19  | 17.75    | 4.03    | <0.03   | 2.03      | 30.3 | 3     |       |       |       |
| BH19S           | 05/02/2020 | 11.5      | 1460      | <4   | 290          | 0.20  | 36.29    | <0.03   | 5.86    | 1.89      | 114  | 7.6   |       |       |       |
| BH20S           | 05/02/2020 | 9.8       | 724       | <4   | 134          | <0.05 | 69.8     | 3.57    | <0.03   | <0.03     | 52.7 | 18.9  |       |       |       |
| BH25S           | 05/02/2020 | 7.0       | 795       | 137  | 240          | <0.05 | 91.6     | 3.57    | <0.03   | <0.03     | 98.4 | 16.1  |       |       |       |
| BH26S           | 05/02/2020 | 7.2       | 520       | 87   | 200          | <0.05 | 37.65    | 3.49    | <0.03   | <0.03     | 82   | 3.6   |       |       |       |
| BH27S           | 05/02/2020 | 7.8       | 7100      | 35   | 82           | <0.05 | 2170     | 11.03   | <0.03   | <0.03     | 112  | 4.7   |       |       |       |
| BH28S           | 05/02/2020 | 7.4       | 965       | 41   | 149          | <0.05 | 175      | 17.3    | <0.03   | 1.83      | 94.2 | 3     |       |       |       |
| BH29S           | 05/02/2020 | 7.2       | 909       | 83   | 210          | <0.05 | 143      | 5.05    | <0.03   | 1.87      | 66.1 | 11.6  |       |       |       |
| BH30            | 05/02/2020 | 7.7       | 460       | 99   | 134          | 0.02  | 41.25    | 3.68    | <0.03   | <0.03     | 59.1 | 12    |       |       |       |
| GTW3A           | 05/02/2020 | 7.8       | 676       | 14   | 280          | <0.05 | 21.47    | 3.72    | <0.03   | <0.03     | 87.9 | 5.4   |       |       |       |
| P1              | 05/02/2020 | 8.0       | 358       | 72   | 148          | <0.05 | 19.92    | <0.03   | <0.03   | <0.03     | 62   | 0.5   |       |       |       |
| P2              | 05/02/2020 | 8.1       | 366       | 93   | 163          | <0.05 | 24.08    | 3.60    | <0.03   | <0.03     | 64.9 | 0.5   |       |       |       |
| P3              | 05/02/2020 | 8.2       | 470       | 106  | 193          | <0.05 | 20.07    | 3.53    | <0.03   | 1.80      | 81.7 | 0.6   |       |       |       |
| P4              | 05/02/2020 | 8.1       | 467       | 76   | 220          | <0.05 | 21.04    | 3.57    | <0.03   | <0.03     | 88.9 | 0.5   |       |       |       |
| P5              | 05/02/2020 | 8.1       | 440       | 80   | 200          | <0.05 | 19.38    | 3.48    | <0.03   | <0.03     | 82.7 | 0.6   |       |       |       |
| P6              | 05/02/2020 | 7.8       | 390       | 89   | 181          | <0.05 | 19.52    | 3.61    | <0.03   | <0.03     | 75.1 | 0.7   |       |       |       |
| P7              | 05/02/2020 | 7.7       | 372       | 97   | 163          | <0.05 | 43.86    | 3.61    | <0.03   | <0.03     | 64.4 | 0.5   |       |       |       |
| SW1             | 05/02/2020 | 9.1       | 346       | 111  | 94           | <0.05 | 68.00    | 3.66    | <0.03   | <0.03     | 29   | 3.2   |       |       |       |
| SW3             | 05/02/2020 | 7.5       | 330       | 301  | 188          | <0.05 | 55.70    | 4.41    | <0.03   | <0.03     | 77.5 | 4.4   |       |       |       |
| SW4             | 05/02/2020 | 7.5       | 606       | 122  | 220          | <0.05 | 216      | 3.71    | <0.03   | <0.03     | 94.8 | 8     |       |       |       |
| SW5             | 05/02/2020 | 7.5       | 1090      | 108  | 188          | 0.30  | 230      | 4.04    | <0.03   | <0.03     | 155  | <0.15 |       |       |       |
| SW6             | 05/02/2020 | 7.4       | 1180      | 116  | 178          | 0.59  | 253      | 4.41    | <0.03   | <0.03     | 166  | 2.3   |       |       |       |
| SW7             | 05/02/2020 | 7.3       | 1040      | 205  | 200          | <0.05 | 207      | 3.93    | <0.03   | <0.03     | 161  | 2.1   |       |       |       |
| SW8             | 05/02/2020 | 7.2       | 829       | 54   | 158          | <0.05 | 156      | 4.18    | <0.03   | <0.03     | 110  | 1.1   |       |       |       |
| SW9             | 05/02/2020 | 7.2       | 1020      | 47   | 188          | <0.05 | 24.06    | 3.65    | <0.03   | <0.03     | 152  | 2.5   |       |       |       |
| SW11            | 05/02/2020 | 7.4       | 385       | 16   | 106          | <0.05 | 23.44    | 8.74    | 5.34    | <0.03     | 39.9 | 0.4   |       |       |       |
| SW12            | 05/02/2020 | 7.5       | 381       | 18   | 109          | <0.05 | 46.15    | 8.52    | 5.33    | <0.03     | 40.4 | 0.3   |       |       |       |
| SW15            | 05/02/2020 | 7.5       | 488       | 42   | 166          | <0.05 | 204      | 3.27    | <0.03   | <0.03     | 62   | 0.6   |       |       |       |
| L1              | 05/02/2020 | 8.6       | 1400      | 198  | 62           | 1.10  | 304      | 3.60    | <0.03   | <0.03     | 84   | 1.1   |       |       |       |
| L6              | 05/02/2020 | 9.2       | 1210      | 109  | 124          | <0.05 | 130      | 52.2    | <0.03   | <0.03     | 20.6 | 1.2   |       |       |       |
| L7              | 05/02/2020 | >12       | 11300     | 27   | 800          | 4.87  | 2910     | 3.66    | <0.03   | <0.03     | 2020 | 0.5   |       |       |       |
| L8              | 05/02/2020 | >12       | 1300      | 33   | 22           | 0.53  | 520      | 13.94   | <0.03   | <0.03     | 335  | 0.2   |       |       |       |
| L17             | 05/02/2020 | >12       | 3950      | 85   | 850          | 0.57  | 60.4     | 10.31   | 7.87    | <0.03     | 382  | 0.6   |       |       |       |

| Return                                                | Landfill            | Type          | Report | Parameters > assessment levels |            |           | Threshold | C&A Plan | Contingency Action/ Comments                                                                                                                                     |
|-------------------------------------------------------|---------------------|---------------|--------|--------------------------------|------------|-----------|-----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                       |                     |               |        | Sample                         | Date       | Parameter |           |          |                                                                                                                                                                  |
| Surface water monitoring summary for the quarter      | BV7311IE            | Non Hazardous | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Leachate monitoring summary for the quarter           | BV7311IE            |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Borehole monitoring summary for the quarter           | BV7311IE            |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
|                                                       |                     |               |        |                                |            |           |           |          |                                                                                                                                                                  |
|                                                       |                     |               |        |                                |            |           |           |          |                                                                                                                                                                  |
|                                                       |                     |               |        |                                |            |           |           |          |                                                                                                                                                                  |
| Fugitive emissions monitoring summary for the quarter | BV7311IE            |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Energy consumption 2012                               | BV7311IE / BW2692IM |               | A      |                                |            |           |           |          |                                                                                                                                                                  |
| Landfill gas monitoring summary for the month         | BV7311IE / GP3430MH | Hazardous     | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Bio-cell gas monitoring summary for the month         | BV7311IE / GP3430MH |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Fugitive emissions monitoring summary for the quarter | BW2692IM            |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Surface water monitoring summary for the quarter      | BW2692IM / SP3633MK |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Leachate monitoring summary for the quarter           | BW2692IM / SP3633MK |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Borehole monitoring summary for the quarter           | BW2692IM / SP3633MK |               | Q      | BH27S                          | 05/02/2020 | Chloride  | 2170.00   | 250      | Spikes in chloride observed since 2013. Chloride concentration observed in groundwater is higher than concentration in leachate. Emission limit requires review. |
| Landfill gas monitoring summary for the quarter       | BW2692IM / SP3633MK |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Surface water monitoring summary for the quarter      | EPA/AP3292LT        | Closed        | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Landfill gas monitoring summary for the quarter       | EPA/AP3292LT        |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Borehole monitoring summary for the quarter           | EPR/AP3239LT        |               | Q      |                                |            |           |           |          |                                                                                                                                                                  |
| Energy consumption                                    | BV7311IE / BW2692IM | All           | A      |                                |            |           |           |          |                                                                                                                                                                  |



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|        | 15/01/2020    | 05/02/2020    | 20/03/2020    |
|--------|---------------|---------------|---------------|
| Piezos | Depth (m)     | Depth (m)     | Depth (m)     |
| P1     | Overvegetated | Overvegetated | Overvegetated |
| P2     | 0.94          | .88           | 0.81          |
| P3     | Overvegetated | Overvegetated | Overvegetated |
| P4     | Overvegetated | Overvegetated | Overvegetated |
| P5     | 0.92          | 0.88          | 0.96          |
| P6     | Overvegetated | Overvegetated | 0.42          |
| P7     | flooded       | flooded       | flooded       |
| P8     | 0.29          | 0.26          | 0.55          |
| P9     | 0.73          | 0.68          | 0.8           |
| P10    | 0.5           | 0.48          | 0.55          |
| P11    | Overvegetated | Overvegetated | 0.86          |
| P12    | Overvegetated | Overvegetated | 0.83          |
| P13    | 0.34          | 0.31          | 0.3           |
| P14    | 0.77          | 0.72          |               |
| P15    | 0.28          | 0.41          | 0.32          |
| P16    | Overvegetated | Overvegetated |               |
| P17    | Overvegetated | Overvegetated | 0.23          |
| P18    | 0.3           | 0.51          | 0.4           |
| P19    | Overvegetated | Overvegetated | 0.42          |
| P20    | Overvegetated | Overvegetated | 0.02 flooded  |
| P21    | 0.6           | 0.61          | 0.57          |
| P22    | 2.5           | 2.31          | 2.19          |
| P23    | 0.91          | 0.98          | 0.92          |
| P24    | Overvegetated | Overvegetated | Overvegetated |
| P25    |               |               | 1.42          |
| P26    |               |               | 1.87          |
| P27    |               |               | 1.73          |
| P28    |               |               | 1.82          |
| P29    |               |               | 1.71          |
| P30    |               |               | 1.79          |

| G   | Location     | Date Out  | Date In   | (mg/m2/day) | Comments    | pH  | % Fe | % C | Vol (ml) | Insoluble Solids (mg) | SS | Soluble Solids SS (mg) | Total Solids (mg) | No. Days | Funnel Area |      |
|-----|--------------|-----------|-----------|-------------|-------------|-----|------|-----|----------|-----------------------|----|------------------------|-------------------|----------|-------------|------|
| D15 | Weasel Woods | 03-Dec-19 | 17-Jan-20 | 214         |             | 6.7 | 0.19 | 29  | 8800     | 97                    |    | 704                    | 801               | 45       | 0.04        | 0.23 |
| D15 | Weasel Woods | 17-Jan-20 | 07-Feb-20 | 42          |             | 8.1 | 0.00 | 67  | 1400     | 3                     |    | 70                     | 73                | 21       | 0.04        | 0.23 |
| D15 | Weasel Woods | 07-Feb-20 | 03-Mar-20 | 1321        |             | 8.1 | 0.00 | 72  | 9000     | 729                   |    | 2016                   | 2745              | 25       | 0.04        | 0.23 |
| D16 | Moors        | 03-Dec-19 | 17-Jan-20 | NA          | Blown over. | NA  | NA   | NA  | NA       | NA                    |    | NA                     | NA                | 45       | 0.04        | 0.23 |
| D16 | Moors        | 17-Jan-20 | 07-Feb-20 | 76          |             | 6.9 | 0.00 | 75  | 1400     | 10                    |    | 123                    | 133               | 21       | 0.04        | 0.23 |
| D16 | Moors        | 07-Feb-20 | 03-Mar-20 | 29          |             | 6.7 | 0.00 | 100 | 6800     | 7                     |    | 54                     | 61                | 25       | 0.04        | 0.23 |
| D17 | EWS          | 03-Dec-19 | 17-Jan-20 | 276         |             | 6.6 | 0.00 | 76  | 9200     | 386                   |    | 644                    | 1030              | 45       | 0.04        | 0.23 |
| D17 | EWS          | 17-Jan-20 | 07-Feb-20 | 13          |             | 6.0 | 0.00 | 100 | 1800     | 2                     |    | 22                     | 23                | 21       | 0.04        | 0.23 |
| D17 | EWS          | 07-Feb-20 | 03-Mar-20 | 177         |             | 6.2 | 0.00 | 100 | 7200     | 7                     |    | 360                    | 367               | 25       | 0.04        | 0.23 |
| D18 | Kenfig Pool  | 03-Dec-19 | 17-Jan-20 | 159         |             | 6.0 | 0.00 | 0   | 10400    | 10                    |    | 582                    | 593               | 45       | 0.04        | 0.23 |
| D18 | Kenfig Pool  | 17-Jan-20 | 07-Feb-20 | 30          |             | 5.8 | 0.00 | 87  | 1800     | 13                    |    | 40                     | 52                | 21       | 0.04        | 0.23 |
| D18 | Kenfig Pool  | 07-Feb-20 | 03-Mar-20 | 206         |             | 6.8 | 0.00 | 0   | 6900     | 0                     |    | 428                    | 428               | 25       | 0.04        | 0.23 |
| D19 | Borehole     | 03-Dec-19 | 17-Jan-20 | 524         |             | 7.7 | 0.00 | 61  | 11000    | 330                   |    | 1628                   | 1958              | 45       | 0.04        | 0.23 |
| D19 | Borehole     | 17-Jan-20 | 07-Feb-20 | 118         |             | 7.9 | 0.00 | 50  | 1600     | 2                     |    | 205                    | 206               | 21       | 0.04        | 0.23 |
| D19 | Borehole     | 07-Feb-20 | 03-Mar-20 | 305         |             | 6.4 | 0.00 | 100 | 3600     | 7                     |    | 626                    | 634               | 25       | 0.04        | 0.23 |

#### MNHL and MHL Leachate Control Levels

| Leachate Point     | noniacal Nitro | Cl    | As   |
|--------------------|----------------|-------|------|
| Unit               | mg/l           | mg/l  | mg/l |
| New control levels | 70             | 70000 | 3    |

#### MHL Groundwater Control and Compliance Levels

| Parameter  | BH3S (shallow aquifer)  |      |            | BH12 (shallow aquifer)  |      |            | BH 25S (shallow aquifer) |     |            |
|------------|-------------------------|------|------------|-------------------------|------|------------|--------------------------|-----|------------|
|            | CL1                     | CL2  | Compliance | CL1                     | CL2  | Compliance | CL1                      | CL2 | Compliance |
| Cadmium    | -                       | 0.1  |            | -                       | 0.1  |            |                          | 0.1 |            |
| Mercury    | -                       | 0.1  |            | -                       | 0.1  |            |                          | 0.1 |            |
| Chloride   |                         | 100  | 250        | 100                     | 200  |            |                          | 200 | 250        |
| Ammonia    | 8                       | 10   | 12         | 0.44                    | 0.52 |            | 3.5                      | 4   | 4.5        |
| Alkalinity | 2400                    | 2700 | 3000       | 284                     | 335  |            | 500                      | 550 | 600        |
| Parameter  | BH26S (shallow aquifer) |      |            | BH27S (shallow aquifer) |      |            | BH28S (shallow aquifer)  |     |            |
|            | CL1                     | CL2  | Compliance | CL1                     | CL2  | Compliance | CL1                      | CL2 | Compliance |
| Cadmium    |                         | 0.1  |            |                         | 0.1  |            |                          | 0.1 |            |
| Mercury    |                         | 0.1  |            |                         | 0.1  |            |                          | 0.1 |            |
| Chloride   |                         | 200  | 250        |                         | 200  | 250        |                          | 400 | 450        |
| Ammonia    | 1.6                     | 1.8  | 2          | 1.6                     | 1.8  | 2          | 1.6                      | 1.8 | 2          |
| Alkalinity | 350                     | 400  | 450        | 350                     | 400  | 450        | 350                      | 400 | 450        |
| Parameter  | BH29S (shallow aquifer) |      |            |                         |      |            |                          |     |            |
|            | CL1                     | CL2  | Compliance | CL1                     | CL2  | Compliance | CL1                      | CL2 | Compliance |
| Cadmium    |                         | 0.1  |            |                         |      |            |                          |     |            |
| Mercury    |                         | 0.1  |            |                         |      |            |                          |     |            |
| Chloride   |                         | 250  | 300        |                         |      |            |                          |     |            |
| Ammonia    | 1.6                     | 1.8  | 2          |                         |      |            |                          |     |            |
| Alkalinity | 350                     | 400  | 450        |                         |      |            |                          |     |            |

Cadmium, copper and mercury reported as µg/l. Alkalinity reported as mg/l CaCO<sub>3</sub>. Ammonia reported as mg/l.

These Assessment Criteria will also apply to future replacement boreholes for these positions although the situation will be reviewed at the time.

#### MNHL Groundwater Control and Compliance Levels

| Parameter  | BH3 (shallow aquifer)  |      |            | BH4 (shallow aquifer)  |      |            | BH6 (shallow aquifer)  |      |            |
|------------|------------------------|------|------------|------------------------|------|------------|------------------------|------|------------|
|            | CL1                    | CL2  | Compliance | CL1                    | CL2  | Compliance | CL1                    | CL2  | Compliance |
| Cadmium    | -                      | 0.1  |            | -                      | 0.1  |            | -                      | 0.1  |            |
| Mercury    | -                      | 0.1  |            | -                      | 0.1  |            | -                      | 0.1  |            |
| Chloride   |                        | 100  | 250        |                        | 100  | 250        |                        | 100  | 250        |
| Ammonia    | 8                      | 10   | 12         | 2                      | 3    | 4          | 14                     | 16   | 18         |
| Alkalinity | 2400                   | 2700 | 3000       | 650                    | 700  | 750        | 1200                   | 1300 | 1400       |
| Parameter  | BH11 (shallow aquifer) |      |            | BH12 (shallow aquifer) |      |            | BH13 (shallow aquifer) |      |            |
|            | CL1                    | CL2  | Compliance | CL1                    | CL2  | Compliance | CL1                    | CL2  | Compliance |
| Cadmium    | -                      | 0.1  |            | -                      | 0.1  |            | -                      | 0.1  |            |
| Mercury    | -                      | 0.1  |            | -                      | 0.1  |            | -                      | 0.1  |            |
| Chloride   | 100                    | 200  |            | 100                    | 200  |            | 100                    | 200  |            |
| Ammonia    | 0.88                   | 1.1  |            | 0.44                   | 0.52 |            | 1.8                    | 2.1  |            |
| Alkalinity | 556                    | 657  |            | 284                    | 335  |            | 738                    | 872  |            |
| Parameter  | BH14 (shallow aquifer) |      |            | BH30 (shallow aquifer) |      |            |                        |      |            |
|            | CL1                    | CL2  | Compliance | CL1                    | CL2  | Compliance | CL1                    | CL2  | Compliance |
| Cadmium    | -                      | 0.1  |            |                        | 0.1  |            |                        |      |            |
| Mercury    | -                      | 0.1  |            |                        | 0.1  |            |                        |      |            |
| Chloride   | 100                    | 200  |            |                        | 100  | 250        |                        |      |            |
| Ammonia    | 10.9                   | 12.9 |            | 2                      | 3    | 4          |                        |      |            |
| Alkalinity | 178                    | 211  |            | 650                    | 700  | 750        |                        |      |            |

Cadmium, copper and mercury reported as µg/l. Alkalinity reported as mg/l CaCO<sub>3</sub>. Ammonia reported as mg/l.

These Assessment Criteria will also apply to future replacement boreholes for these positions although the situation will be reviewed at the time.

#### Surface Water Assessment Levels

| Parameter  | SW2 and SW4 |             |
|------------|-------------|-------------|
|            | Ass lvi 1   | Ass' lvi 22 |
|            | AL1         | AL2         |
| Cadmium    | 0.1         |             |
| Copper     | 25          | 28          |
| Mercury    | 0.1         |             |
| Chloride   | 200         | 250         |
| Ammonia    | 2.75        | 3           |
| Alkalinity | 350         | 400         |

Cadmium, copper and mercury reported as µg/l. Alkalinity reported as mg/l CaCO<sub>3</sub>. Ammonia reported as mg/l.

#### Methane Compliance Limits

| Perimeter gas position | Compliance Limit |
|------------------------|------------------|
| GA7                    | 2                |
| GA16                   | 3.6              |

#### Carbon Dioxide Assessment Levels

| Perimeter gas position | Assessment level |
|------------------------|------------------|
| GA7                    | 3.5              |





|    | Landfill | Lab analysis                                                                                         | Surface water samples                    | Quarterly Groundwater samples                                                                           | Annual Groundwater Samples                                                            | Monthly levels                                                       | Leachate chemistry  | Gas                                                |
|----|----------|------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------|----------------------------------------------------|
| Q1 | MNHL     | Indicator suite                                                                                      | SW1 – SW15                               | BH3S, BH4S, BH6S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A                                               |                                                                                       | Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater | L1, L6, L7, L8, L17 | GA1, GA2, GA7 – GA12,W1 – W16                      |
|    | MHL      |                                                                                                      |                                          | BH25S, BH26S, BH27S, BH28S, BH29S,                                                                      |                                                                                       |                                                                      |                     |                                                    |
|    | MCL      |                                                                                                      | Collection Ponds 1 – 6 on surface of MCL | BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,                                                     |                                                                                       |                                                                      |                     | GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S, |
| Q2 | MNHL     | Indicator suite/ Characterisation suite alternated every year. <b>2015 is characterisation suite</b> | SW1 – SW15                               | BH1, BH2, BH3S, BH4S, BH6S, BH10S, BH11S, BH12S, BH13S, BH14S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A, | BH2D, BH3D, BH4D, BH6D, BH17D, BH18D, BH19D, BH20D, BH10D, BH11D, BH12D, BH13D, BH14D | Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater | L1, L6, L7, L8, L17 | GA1, GA2, GA7 – GA12,W1 – W16                      |
|    | MHL      |                                                                                                      |                                          | BH25S, BH26S, BH27S, BH28S, BH29S,                                                                      |                                                                                       |                                                                      |                     |                                                    |
|    | MCL      |                                                                                                      | Collection Ponds 1 – 6 on surface of MCL | BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,                                                     |                                                                                       |                                                                      |                     | GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S, |
| Q3 | MNHL     | Indicator suite                                                                                      | SW1 – SW15                               | BH3S, BH4S, BH6S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A                                               |                                                                                       | Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater | L1, L6, L7, L8, L17 | GA1, GA2, GA7 – GA12,W1 – W16                      |
|    | MHL      |                                                                                                      |                                          | BH25S, BH26S, BH27S, BH28S, BH29S,                                                                      |                                                                                       |                                                                      |                     |                                                    |
|    | MCL      |                                                                                                      | Collection Ponds 1 – 6 on surface of MCL | BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,                                                     |                                                                                       |                                                                      |                     | GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S, |
| Q4 | MNHL     | Indicator suite / Characterisation suite alternated every year. <b>2015 is Indicator suite</b>       | SW1 – SW15                               | BH1, BH2, BH3S, BH4S, BH6S, BH10S, BH11S, BH12S, BH13S, BH14S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A, |                                                                                       | Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater | L1, L6, L7, L8, L17 | GA1, GA2, GA7 – GA12,W1 – W16                      |
|    | MHL      |                                                                                                      |                                          | BH25S, BH26S, BH27S, BH28S, BH29S,                                                                      |                                                                                       |                                                                      |                     |                                                    |
|    | MCL      |                                                                                                      | Collection Ponds 1 – 6 on surface of MCL | BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,                                                     |                                                                                       |                                                                      |                     | GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S, |

|          |                                                                                                                                                 | Indicator Suite                                                                                                                                                                  | Characterisation suite*                                                                                                                                                                                                                                                                                              |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                                                                                                                                 | Quarterly<br>(Q1, Q2, Q3, Q4)                                                                                                                                                    | Annually<br>(alternated each year between Q2 and Q4)                                                                                                                                                                                                                                                                 |
| Analysis |                                                                                                                                                 | pH, Electrical Conductivity, alkalinity, Calcium, Chloride, Chemical Oxygen Demand, Total Organic Carbon, Ammoniacal Nitrogen, Nitrate, Nitrite, Phosphorous, Phosphate, Arsenic | pH, Electrical Conductivity, alkalinity, Calcium, Chloride, Chemical Oxygen Demand, Total Organic Carbon, Ammoniacal Nitrogen, Nitrate, Nitrite, Phosphorous, Phosphate, Arsenic , Sodium, Potassium, Magnesium, Sulphate, Boron, Total Chromium, Copper, Iron, Lead, Vanadium, Zinc, Cadmium, Mercury, VOC and SVOC |
|          | *Other parameters may be added depending upon any changes to the types of waste landfilled and review of results from preceding indicator suite |                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                      |