

# Schedule 5 - Notification

TIR0148 01/04/2020

## Part A

|                                                                                                   |                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Permit Number                                                                                     | VP3935AT                                                                                                                                                   |
| Name of Operator                                                                                  | Enovert (South) Ltd                                                                                                                                        |
| Location of Installation                                                                          | Tir John Landfill, Wern Terrace, Off Fabian Way, Swansea, SA1 8PA                                                                                          |
| Time and date of the detection                                                                    | March 2020                                                                                                                                                 |
| (b) Notification requirements for the breach of a limit (within 24 hours unless otherwise agreed) |                                                                                                                                                            |
| Emission point reference/ source                                                                  | Phase 2 LEW Leachate Wells                                                                                                                                 |
| Parameter(s)                                                                                      | Leachate Level above Cell Base                                                                                                                             |
| Limit                                                                                             | >1m                                                                                                                                                        |
| Measured value and uncertainty                                                                    | <b>See Table 1 &amp; 2 Below</b>                                                                                                                           |
| Date and time of monitoring                                                                       |                                                                                                                                                            |
| Measures taken, or intended to be taken, to stop the emission                                     | The LEW Leachate Monitoring Points will continue to be monitored and results review, in accordance with Table 3.1 of Environmental Permit Number VP3935AT. |

## Part B to be supplied as soon as practicable

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| Any more accurate information on the matters for notification under Part A.                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident                                                                       | <p>Some of the Final Capping work has been undertaken in the Phase2 area, therefore it should help minimise the amount of rainfall infiltration into the waste mass.</p> <p>We are currently investigating LEW14 which shows high levels and have found the dip meter sond comes to rest on a 'ledge' giving a false reading every time and we are exploring ways to avoid this in the future.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission | <p>In the previous SC5 it was highlighted that within the last year (straddling 2018-2019 period), several leachate monitoring points in the Phase 2 area, demonstrate a repetitiveness in results i.e. the leachate levels only show relatively minor fluctuations and these same leachate monitoring points consistently breaching the compliance limit.</p> <p>A collated dataset of leachate levels in the Phase2 area for Q1, Q2, Q3 and Q4 have been submitted to NRW, this should provide an overview of leachate level trends for 2019, to help exemplify the minor fluctuation point.</p> <p>It may also highlight that the reduction in overall leachate levels is a long-term target and any changes in leachate levels in the short-term will be small or subtle. An example was provided in SC5 TIR0119, that demonstrated throughout the month of May, leachate levels in the boreholes that have consistently shown non-conformance, have only fluctuated by centimetres.</p> <p>Significant leachate level reduction will only be achieved through continual infrastructure improvements and prolonged pumping of the wells.</p> |

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| The dates of any unauthorised emissions from the installation in the preceding 24 months. | See previous notifications. |
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|-------|----------------------------|
| Name* | Elizabeth Forrest          |
| Post  | Environmental Data Analyst |
| Date  | 01/04/2020                 |

\* authorised to sign on behalf of City & County of Swansea / Enovert (South) Ltd

| Sample Point | Date       | Leachate Level (m) | Date       | Leachate Level (m) |
|--------------|------------|--------------------|------------|--------------------|
| LEW05A       | 10/03/2020 | 1.22               | 31/03/2020 | 1.22               |
| LEW06        |            | 3.39               |            | 3.4                |
| LEW07        |            | 3.19               |            | 3.15               |
| LEW08        |            | 3.55               |            | 3.25               |
| LEW09a       |            | 9.33               |            | 5.25               |
| LEW09b       |            | 17.7               |            | 14.25              |
| LEW10a       |            | 3.07               |            | 3.08               |
| LEW11A       |            | 3.26               |            | 3.27               |
| LEW12a       |            | 6.5                |            | 6.47               |
| LEW13a       |            | 4.71               |            | 3.9                |
| LEW14        |            | 10.76              |            | 11.46              |
| LEW14a       |            | 9.88               |            | 9.88               |
| LEW15        |            | 3.21               |            |                    |
| LEW16        |            | 2.2                |            | 6.28               |
| LEW20        |            | 2.47               |            | 1.97               |
| LEW21        |            | 6.42               |            | 7.45               |
| LEW22        |            | 4.3                |            | 3.65               |
| LEW23        |            | 2.14               |            | 5.14               |
| LEW24        |            | 5.73               |            | 5.73               |
| LEW25        |            | 2.65               |            | 2                  |
| LEW26        |            | 4.01               |            | 3.5                |
| LEW27        |            | 2.34               |            | 2.29               |
| LEW28        |            | 2.82               |            | 2.8                |
| LEW29        |            | 7.64               |            | 5.5                |
| LEW30        |            | 6.28               |            | 8.11               |
| LEW31        |            | 8.88               |            | 8.89               |
| LEW32        |            | 6.17               |            | 6.02               |
| LEW33        |            | 1.67               |            | 1.68               |

Table 1: Breach of Compliance Limit for Leachate Boreholes Phase 2 area March 2020