

Schedule 5 - Notification

TIR0221 12/10/2022

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	Q3 2022																																																																
(b) Notification requirements for the breach of a limit (within 24 hours unless otherwise agreed)																																																																	
Emission point reference/ source	Ammoniacal-N as N mg/l: <table><tr><th rowspan="2">ID</th><th rowspan="2">Date</th><th colspan="2">Ammoniacal-N (mg/l)</th></tr><tr><th>Result</th><th>Limit</th></tr><tr><td>GDW07</td><td>23/08/2022</td><td>44</td><td>15</td></tr><tr><td>GDW16</td><td>23/08/2022</td><td>5.2</td><td>4</td></tr><tr><td>GDW18</td><td>23/08/2022</td><td>15</td><td>5</td></tr><tr><td>GDW24(D)</td><td>28/08/2022</td><td>90</td><td>85</td></tr><tr><td>GDW24(S)</td><td>28/08/2022</td><td>85</td><td>75</td></tr></table>			ID	Date	Ammoniacal-N (mg/l)		Result	Limit	GDW07	23/08/2022	44	15	GDW16	23/08/2022	5.2	4	GDW18	23/08/2022	15	5	GDW24(D)	28/08/2022	90	85	GDW24(S)	28/08/2022	85	75																																				
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Measures taken, or intended to be taken, to stop the emission	Not applicable as there is no indication of any emission from the site occurring.																																																																

Part B to be supplied as soon as practicable

Any more accurate information on the matters for notification under Part A.	We switched to a new accredited laboratory in January 2021 and the permit limits set for Orthophosphate are lower than the laboratory can reach using accredited analytical methods, therefore many of the results are less than the limit of detection. Historical breaches of Orthophosphate have primarily occurred in the boreholes on the Northern perimeter of the Tir-John site. We are planning to review the limits set on orthophosphate at the next permit variation application.
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	The ammonia breach at GDW16 is slightly unusual but has precedent, with the last breach being June 2017 however the breach is minor especially when the laboratory limits of uncertainty is taken into consideration. The ammonia trends at GDW18 and GDW07 are discussed at length in the 2021 Annual Report and 2018 HRA Review, and chloride remains low, indicating that this is unlikely to be leachate seepage and more likely attributed to the recharge from waters originating in the Crymlyn Bog. The ammonia breaches at GDW24(S) and GDW24(D) are minor and fall within the laboratory limits of uncertainty so this is not a breach when this is taken into account. The UK has had record-breaking high temperatures this summer and is in a drought period which will have inevitably led to the waters becoming more concentrated and stagnant, which is the likely cause for the slightly more unusual exceedances this quarter.
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Not applicable as the results do not indicate a pollution incident. If this was the case, we would expect to see increases across a whole range of parameters.
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	To summarise, there is no evidence that any pollution has been caused by the landfill, and all evidence points towards these limit exceedances having been caused by natural background variation or analytical interference.
The dates of any unauthorised emissions from the installation in the preceding 24 months.	See previous notifications.
Name*	Elizabeth Forrest
Post	Environmental Data Analyst
Date	12/10/2022

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