



LLANDDULAS LANDFILL SITE (OPERATIONAL)

ANNUAL ENVIRONMENTAL REPORTING

31 January 2022

**FCC Environment
3 Sidings Court
White Rose Way
Doncaster
DN4 5NU**

Introduction

This report provides the additional information required to be reported to Natural Resources Wales in accordance with condition 4.2.1 of PPC permit BU0800IZ, variation no CP3332LG for Llanddulas landfill site.

Condition 4.2.1 (a) and (b) – Annual monitoring data review

This will be provided as a separate report to be submitted by the 28th February 2022.

Condition 4.2.1c – Energy consumption

Table S5.3: Performance parameters			
Parameter	Frequency of assessment	Annual Total	Unit
Energy used	Annually	351,038.5	kWh

Condition 4.2.1d – Water consumption

Table S5.3: Performance parameters			
Parameter	Frequency of assessment	Annual Total	Unit
Potable water use	Annually	1389	Cubic Meters
Non potable water use	Annually	1080	Cubic Meters

Condition 4.2.1e – Annual production/treatment

Table S5.2: Annual Production/Treatment	
Leachate:	Cubic metres/year
Disposed of off site	0
Disposed of to any on site effluent treatment plant	17,627
Re-circulated into the waste mass	
Surface water and/or groundwater:	Cubic metres/year
Disposed of off site	0
Disposed of to any on site effluent treatment plant	0
Landfill gas:	Normalised cubic metres/year
Combustion in flares	609,570Nm ³ /year
Combustion in gas engines	5,017,776Nm ³ /year
Other methods of gas utilisation.	0

Condition 4.2.1f – Contamination/decontamination

There were no contamination/decontamination events during 2021.

Condition 4.2.1g – Topographical survey

To be attached via email to this report

Condition 4.2.1h – Volumetric difference between topographical surveys

24,053m³ - Ops re-tipped waste flanks to 1 in 3

Condition 4.2.1i - Assessment of settlement behaviour

Settlement monitoring points have been established on the restored areas of site to ensure settlement behaviour of the landfill site is recorded. During time of survey several locations were unable to be accessed due to tipping on the areas. The detailed table is attached via email with this report.

Condition 4.2.1j - Calculation of remaining capacity

18,254m³

Condition 4.2.1k – Compliance testing

As per Condition 2.8 of the Permit Variation, FCC can confirm that all wastes accepted for disposal under said condition have been characterized and monitored in accordance with Schedule 10 of the Environmental Permitting (England & Wales) Regulations 2007. In addition, soils testing have been carried out on spot samples of incoming consignments of restoration soils in line with the Waste Acceptance criteria of the FCC internal site management system.