



**Cyfoeth
Naturiol**
Cymru
**Natural
Resources**
Wales

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Gwynedd Council

**Ffridd Rasmus Landfill Areas 1 & 3
Morfa Road
Harlech
Gwynedd
LL46 2UW**

Variation number

EPR/GP3330BY/V006

Permit number

EPR/GP3330BY

Ffridd Rasmus Landfill Areas 1 & 3

Permit number EPR/GP3330BY

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

The purpose of this variation is to include a micro turbine and the utilisation of the landfill gas as a directly associated activity to the landfill.

The schedules specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit

Description	Date	Comments
Application GP3330BY	Received 08/11/2004	
Request to extend determination	Requested 24/05/2005	Response 06/06/2005
Response to Schedule 4 Notice	Requested 04/07/2005	Response 10/08/2005
Response to request for information	Requested 04/07/2005	Response 21/07/2005
Revised Surface water management plan	Requested 10/08/2005	Plan 09/08/2005
Request to extend determination	Requested 30/09/2005	Response 04/10/2005
Permit GP3330BY determined	31/10/2005	
Variation notice QP3134LY issued (variation & consolidation)	14/03/2007	
Application EPR/GP3330BY/V003	Duly made 22/07/2011	Application for increase in annual throughput to 49,000 tonnes
Additional information received	16/08/2011	Confirmation of landfill stability and management system update
Variation determined EPR/GP3330BY/V003	18/08/2011	Varied permit issued
Agency variation determined EPR/GP3330BY/V004	21/03/2013	Agency variation to implement the changes introduced by IED
Variation Application EPR/GP3330BY/V005 received	01/12/2014	Variation application to place landfill into closure and aftercare
Request for further information	13/03/2014	Request for 6 yearly Hydrogeological Risk Assessment Review
Schedule 5 Notice	26/10/2015	Request for further information relating to Groundwater Compliance Limits
Response to Schedule 5 Notice	26/11/2015	
Variation Application EPR/GP3330BY/V005 issued		Consolidated permit issued to incorporate closure and aftercare requirements
Variation application EPR/GP3330BY/V006 received	30/11/2016	Variation to include a micro turbine and the utilisation of landfill gas as a directly associated activity to the landfill
Schedule 5 Notice	26/01/2017	Request for further information relating to the Air Quality Screening Assessment

Response to Schedule 5 02/02/2017
Notice

Variation 13/03/2017
EPR/GP3330BY/V006
issued

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2016

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number
EPR/GP3330BY

issued to:
Gwynedd Council (“the operator”)

whose principal office is

**Gwynedd Council
Municipal Services
Cibyn Industrial Estate
Caernarfon
LL55 2BD**

to operate a regulated facility at

**Ffridd Rasus Landfill Areas 1 & 3
Morfa Road
Harlech
Gwynedd
LL46 2UW**

to the extent set out in the schedules.

The notice shall take effect from 13th March 2017

Signed

Date

	13th March 2017
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Victoria Seller
Authorised on behalf of Natural Resources Wales

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator:

Table S1.1, and now reads as follows:

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity
S5.2 A1 (a) The Disposal of waste in a landfill	Landfill for non-hazardous waste (D5 - Specially engineered landfill). Landfill is closed and not accepting waste.	Management and Monitoring of emissions of closed landfill (including leachate and landfill gas)
Directly Associated Activity		
Leachate Management	Storage of leachate	Leachate arising from the Permitted landfill
Flaring of landfill gas	Flaring of landfill gas in an appliance for disposal	Landfill gas arising from the landfill
Water discharges to controlled waters	Discharge of site drainage from Area 1.	Drainage from hardstanding in Area 1 to point of entry to controlled waters.
Fuel storage	Storage of fuel	Fuel for operation of plant and equipment required to operate the landfill.
Gas utilisation	Utilisation of landfill gas for energy recovery	Landfill gas arising from the landfill

Table S1.2, and now reads as follows:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1, 2.2, 2.3, 2.4, 2.5, 2.7, 2.8, 2.9, and 2.11 of Part B of the Landfill Application Form excluding the answers to the following questions: 2.1.5, 2.2.16, 2.2.17, 2.2.46, 2.2.47, 2.2.49, 2.2.50, 2.2.53 and 2.2.57.	08/11/2004
Pulveriser Application	The responses to all questions in Part B of the Pulveriser Application Form	08/11/2004
Response to Schedule 4 Notice Dated 04/07/2005	All parts of letter and enclosures	10/08/2005
Response to letter requesting further information dated 04/07/2005	All parts of letter and enclosures excluding revised drawings and revised surface water management plan.	21/07/2005
Revised Surface Water Management Plan	All parts of letter and enclosures.	Letter dated 10/08/2005
Letter containing proposals meeting the requirements of improvement condition 1.4.1.1 (original permit) - dated 10/08/2006	All parts including plan (Figure 1)	Received 11/08/2006
Variation application EPR/GP3330BY/V003	Response to form C2, questions 1b, 2b and 5c: 28587N202 technical note and 28587N202 Annex A Non-Technical Summary	22/07/2011
	Email about stability and management systems.	16/08/2011
Closure report	All	01/12/2014
Hydrogeological Risk Assessment Review	All	04/06/2015
Schedule 5 Response	All	26/10/2015
Variation application EPR/GP3330BY/V006	Technical note, specifying that only one of the landfill gas flare and landfill gas micro turbine will be used at any one time	30/11/2016

Table S3.2, and now reads as follows:

Table S3.2 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Landfill gas flare	Gas utilisation plant	Oxides of Nitrogen	150 mg/m ³	Hourly mean	Annual	As per LFTGN 05 'Guidance for monitoring enclosed landfill gas flares' unless otherwise agreed in writing with NRW
		CO	50 mg/m ³			
		Total VOCs	10 mg/m ³			
Landfill gas micro turbine engine	Gas utilisation plant	Oxides of Nitrogen	500 mg/m ³	Hourly mean	Annual	As per LFTGN 08 'Guidance for monitoring landfill gas engine emissions'
		CO	1400 mg/m ³			
		Total VOCs	1000 mg/m ³			

Table S4.1, and now reads as follows:

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Leachate levels As required by condition 3.5.1	LCP1, LCP2, LCP3, LCP4/2, and LCP4/B	Every 12 months	1 January
Emissions to air Parameters as required by condition 3.5.1	Landfill gas flare Landfill gas micro turbine engine	Every 12 months	1 January
Emissions to water Parameters as required by condition 3.5.1	SW1, SW2, SW3	Every 12 months	1 January
Groundwater Parameters as required by condition 3.5.1	BH1, BH15, BH18A, BH18B, BH19A, BH19B, BH19C, BH20A, BH20B, BH21A, BH21B, BH23, BH24, BH27-BH36 and NRA3 BH1, BH15, BH18A, BH18B, BH19A, BH19B, BH19C, BH20A, BH20B, BH21A, BH21B, BH23, BH24, BH27-BH36 and NRA3	Every 12 months	1 January
Landfill gas surface emissions Parameters as required by condition 3.5.1	Permanently capped zone	Every 12 months	1 January
Landfill gas lateral migration Parameters as required by condition 3.5.1	BHG01 - BHG04	Every 12 months	1 January
Other Landfill gas monitoring Parameters as required by condition 3.5.1	In waste monitoring boreholes Landfill surface Input to LFG utilisation compound Landfill gas flare	Every 12 months	1 January
Other leachate monitoring Parameters as required by condition 3.5.1	LCP1, LCP2, LCP3, LCP4/2, and LCP4/B	Every 12 months	1 January
Hazardous substance screen	LCP1, LCP2, LCP3, LCP4/2, and LCP4/B	Every 12 months	1 January
Annual review of HRA as required by condition 4.2.1 (b)		Every 12 months	1 January

Schedule 3 – conditions to be added

None

