

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Gwynedd Council

Cilgwyn Leachate Treatment Plant
Cilgwyn Landfill Site
Cilgwyn
Carmel
Pen Y Groes
Gwynedd
LL54 7SF

Permit number
EPR/PP3539NV

Cilgwyn Leachate Treatment Plant

Permit number EPR/PP3539NV

Introductory note

This introductory note does not form a part of the permit

The main features of the installation are as follows.

The Cilgwyn Leachate Treatment Plant (LTP) is located at NGR SH 249941, 353632 on the slopes of a former slate quarry at the closed Cilgwyn landfill site in Gwynedd. The closest residential area is Cilgwyn, located approximately 0.4km to the northwest. The site is also bounded by a combination of slate scree, disused slate quarries, deep water bodies and scrub land. The installation is operated by Gwynedd Council.

The purpose of the installation is to treat discharge waters (leachate), from the closed Cilgwyn Landfill. The leachate is non-hazardous and only leachate draining from Cilgwyn landfill will be treated at the LTP.

The LTP is comprised of a SAF (Submerged Aerated Filter) system. This removes ammoniacal nitrogen through nitrification in a biological treatment process where naturally occurring bacteria (known as nitrifiers) convert ammoniacal nitrogen into nitrites then nitrates. The LTP has been designed to treat the base flow of leachate from the landfill, which is approximately 800m³/day. Any excess leachate above this quantity will continue to be drained from an existing adit which exits the landfill to the south. The whole process is automated and designed to operate continuously. Telemetry alarms are provided for remote monitoring.

After passing through the LTP, the treated leachate (base flow), combines with clean surface water from the landfill and any excess leachate from the adit before being discharged to a tributary of the Afon Llyfni. There are no other point source emissions from the installation.

There are seven Special Areas of Conservation (SACs) within 10km of the installation.

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

Status log of the permit		
Description	Date	Comments
Application EPR/PP3539NV/A0001	Duly made 26/03/13	Application for a biological leachate treatment plant
Schedule 5 Request for Additional Information	28/06/13	
Additional information received	11/07/13	Clarification on MCERTS status, monitoring arrangements and comparison of expected plant performance against BAT benchmarks.
Permit determined	12/09/13	Permit issued to Gwynedd Council

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/PP3539NV

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010


Gwynedd Council (“the operator”),
of

Gwynedd Waste Treatment Service
Siambrau Banc Barclays
5-7 Stryd Bangor
Caernarfon
Gwynedd
LL55 1AT

to operate an installation at

Cilgwyn Leachate Treatment Plant
Cilgwyn Landfill Site
Cilgwyn
Carmel
Pen Y Groes
Gwynedd
LL54 7SF

to the extent authorised by and subject to the conditions of this permit.

Name	Date
	12/09/2013

Eirian Macdonald, Principal Permitting Team Leader
Authorised on behalf of Natural Resources Wales

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities;
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales; and
- (b) if notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- 2.3.2 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

- 2.3.3 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.2; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by Natural Resources Wales.
- 2.4.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales within 14 days of completion of each improvement.

2.5 Pre-operational conditions

- 2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits; and
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour; and
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

- 3.4.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration; and
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1; and
 - (b) process monitoring specified in table S3.2.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 unless otherwise agreed in writing by Natural Resources Wales.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by Natural Resources Wales, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to Natural Resources Wales, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to Natural Resources Wales using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately:
- (i) inform Natural Resources Wales;
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident; and
 - (iii) take the measures necessary to prevent further possible incidents or accidents.

- (b) in the event of a breach of any permit condition the operator must immediately:
 - (i) inform Natural Resources Wales; and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time.
 - (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 [(a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit,] shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) Natural Resources Wales shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 Natural Resources Wales shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “without delay”, in which case it may be provided by telephone.

Schedule 1 - Operations

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 and waste types
S5.4 A1 (a) (i)	<p>Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC concerning urban waste-water treatment – (i) biological treatment;</p> <p>D8 - Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12</p> <p>D6 – Release into a water body except seas / oceans</p>	<p>Operation of a biological leachate treatment plant with a treatment capacity of 800m³/day.</p> <p>From receipt of untreated leachate to discharge of treated leachate to a tributary of the Afon Llyfni.</p> <p>The leachate treatment plant shall only treat leachate originating from Cilgwyn Landfill Site.</p> <p>Waste types as specified in Table 2.2</p>
Directly Associated Activity		
Chemical Dosing	<p>Use of sodium hydroxide to supplement influent alkalinity</p> <p>(Only if required)</p>	<p>Includes sodium hydroxide receipt and storage, and chemical dosing system.</p> <p>(To be installed and operated only if required)</p>

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	<p>Environmental Permit Application Report (AMEC Report Ref 25262/r492i2 dated 22nd March 2013) and the following appendices:</p> <p>Appendix F “Environmental Risk Assessment”;</p> <p>Appendix I “List of Equipment”</p> <p>Appendix O “Management Structure and TCM”</p> <p>Appendix Q “Drive Schedule”</p> <p>Appendix R “Accident Management Plan”</p>	26/03/13
Schedule 5 Notice Response	<p>Response to question 1 confirming MCERTS status.</p> <p>Response to question 2 confirming monitoring frequency.</p> <p>Response to question 3 confirming monitoring reference periods.</p> <p>Response to question 5 confirming pH meter locations</p>	11/07/13

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	The Operator shall submit a copy of the installation's Environment Management System (EMS) to Natural Resources Wales and make available for inspection all documents and procedures which form part of the EMS. The EMS shall be developed in line with Part 1 of "How to comply with your Environmental Permit" (version 6 – June 2013), and the additional requirements set out in Section 2.3 of IPPC S5.03 "Technical guidance for the treatment of hazardous and non-hazardous landfill leachate" guidance document.	31/03/14

Table S1.4 Pre-operational measures for future development

Reference	Operation	Pre-operational measures
1	Chemical Dosing to supplement influent alkalinity	<p>The operator shall submit for approval a written report describing the chemical dosing regime to be adopted for the purposes of supplementing influent alkalinity should it become required.</p> <p>The report shall state the proposed date on which dosing will commence and shall provide a comparison of the finalised chemical dosing system against the original design criteria described in the permit application report (AMEC report ref 25262/r492i2 dated 22 March 2013). The report shall also evaluate the proposed chemical dosing regime in terms of its effect on the overall performance of the leachate treatment plant and impact on final effluent quality.</p> <p>The report shall be submitted 28 days before the commencement of chemical dosing.</p>

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
Sodium Hydroxide	Mercury Free

Table S2.2 Permitted waste types and quantities for Biological Leachate Treatment Plant

Maximum quantity	The maximum quantity of waste accepted at the site shall not exceed 292,000 m ³ per year.
Waste code	Description
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 07	Landfill leachate
19 07 03	Landfill leachate other than those mentioned in 19 07 02

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to tributary of the River Llyfni (NGR SH 250100, 353651)	Biochemical Oxygen Demand (BOD)		40 mg/l	Spot sample	Once per week ^[2]	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
	Ammoniacal Nitrogen		50 mg/l	Spot sample	Once per week ^[2]	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
	Total Suspended Solids	Leachate Treatment Plant combined with excess untreated leachate and surface water from Cilgwyn Landfill	60 mg/l	Spot sample	Once per week ^[2]	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
	pH ^[1]		6-9	Spot sample	Once per week ^[2]	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer

^[1] The requirements for pH monitoring apply from the date on which chemical dosing commences.

^[2] The weekly samples required in tables S3.1 and S3.2 shall be collected on the same day.

Table S3.2 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
LTP Splitter Tank	Leachate Feed temperature	continuous	Standard temperature sensor	-
LTP influent leachate line	pH ^[1]	continuous	MCERTS approved	-
Leachate treatment plant discharge line	Total daily volume of treated leachate (m ³)	Continuous	MCERTS self-monitoring of effluent flow scheme	24-hour total
	Biochemical Oxygen Demand (BOD)	once per week ^{[3] [4]}	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	
	Ammoniacal Nitrogen	continuous once per week ^{[3] [4]}	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	
	Total Suspended Solids	once per week ^{[3] [4]}	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	
	pH ^[1]	continuous	MCERTS approved	
Excess untreated leachate from the Cilgwyn adit ^[2]	Total daily volume of discharge (m ³)	continuous	V-notch weir & datalogger	

^[1] The requirements for pH monitoring apply from the date on which chemical dosing commences.

^[2] All untreated leachate flows up to 800m³/day are drawn from the adit prior to the v-notch weir and routed to the leachate treatment plant. Therefore the v-notch weir records volumes arising in excess of 800m³/day.

^[3] BOD, Ammoniacal Nitrogen and Total Suspended Solids process monitoring shall be undertaken once per week for the first 12-months of operation via spot samples.

^[4] The weekly samples required in tables S3.1 and S3.2 shall be collected on the same day.

Schedule 4 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to water Parameters as required by condition 3.5.1	W1	Every 6 months	1 October, 1 April

Table S4.2: Annual production/treatment

Parameter	Units
Treated leachate	m ³

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Sodium Hydroxide usage	Annual	m ³

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Water and Land	Form Water 1 or other form as agreed in writing by Natural Resources Wales	12/09/13
Other performance indicators	Form Performance 1 or other form as agreed in writing by Natural Resources Wales	12/09/13
Waste subject to condition 4.2.5	Waste tonnage return form from the Environment Agency website or other form as agreed in writing by Natural Resources Wales.	n/a

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	EPR/PP3539NV
Name of operator	Gwynedd Council
Location of Facility	Cilgwyn Leachate Treatment Plant, Cilgwyn Landfill Site, Cilgwyn, Carmel, Pen Y Groes, Gwynedd, LL54 7SF.
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

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	
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	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Gwynedd Council

Schedule 6 - Interpretation

“*accident*” means an accident that may result in pollution.

“*application*” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“*authorised officer*” means any person authorised by Natural Resources Wales under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“*disposal*”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“*EP Regulations*” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“*emissions of substances not controlled by emission limits*” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit..

“*groundwater*” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“*hazardous property*” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“*Industrial Emissions Directive*” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“*MCERTS*” means the Environment Agency’s Monitoring Certification Scheme.

“*quarter*” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“*recovery*” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“*Waste code*” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“*Waste Framework Directive*” or “*WFD*” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

“*year*” means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 - Site plan

