

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Mr Daniel Jones

Brynrorin Farm Poultry Unit
Brynrorin Farm
Abermule
Montgomery
Powys
SY15 6JJ

Permit number
EPR/AB3191CV

Brynrorin Farm Poultry Unit

Permit number EPR/AB3191CV

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Brynrorin Farm Poultry Unit is situated approximately 2 km north west of the village of Abermule in the County of Powys. It is approximately centred on National Grid Reference SO 14258 95606.

The installation is located adjacent to ponds that are known to support populations of Great Crested Newts (GCNs). Measures taken by the operator to protect and sustain the GCN population and habitat include:

- Development of a GCN conservation scheme;
- Implementation of a biosecurity risk assessment; and
- Ongoing monitoring and surveillance of the GCN population.

The installation is operated by My Daniel Jones and is permitted to house a maximum of 48,000 birds for the purposes of egg production. Birds are brought to the site at the point of lay and are removed approximately one year later on an all out basis. Birds are grown in two poultry houses (House 1 and House 2) which have capacities of 16,000 and 32,000 bird places respectively. Birds are allowed to range by means of pop-holes at the base of the sides of the houses.

The houses are sited on concrete bases which are covered with a layer of wood shavings which is maintained in a dry, friable condition through the regulation of drinking water supply and temperature and humidity.

Ventilation is provided by high-velocity, roof ridge-mounted fans which are controlled centrally through an automated system. The automated ventilation system is used to maintain the optimum atmosphere for bird welfare and to minimise ammonia and odour release.

Feed is delivered in covered vehicles and stored in enclosed galvanised steel silos. Birds which die during the production cycle are recorded and removed from houses on a daily basis. Carcasses are stored in sealed, vermin proof containers prior to removal under the fallen stock scheme.

Litter and manure from House 1 is removed at the end of the flock cycle. House 2 is fitted with manure belts which are operated two times per week to remove litter and manure. All litter and manure is transported off-site in sealed containers once it has been removed from the houses. The floor and walls of the houses are cleaned using high pressure water jets and wash water is diverted via the site's drainage system to underground dirty water tanks. Wash water is removed off-site via vacuum tanker.

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/NP3038WF/A001 | Duly made 09/10/14 | Application for intensive poultry egg-laying installation. |
| Additional information requested | 18/11/14 | Web access to odour modelling files requested. |
| Additional information received | 18/11/14 | Web access to odour modelling files received. |
| Additional information requested | 04/02/15 | Additional information in relation to total number of bird places, BAT assessment of House 1 design, odour modelling, ammonia modelling, odour management plan, odour risk assessment, technical standards, site plans, review schedule, emergency plan, water usage, ecology assessment (great crested newts) and pests and vermin requested. |
| Additional information received | 11/02/15 | Clarification on methodologies used in odour modelling and ammonia modelling assessments received. |
| Additional information received | 08/03/15 | Revised odour modelling report received to reflect reduction in number of bird places applied for to 48,000 and confirmation that ventilation in existing house (House 1) will be upgraded to high velocity roof fans. |
| Additional information received | 11/03/15 | Ecology impact report (in relation to great crested newts), revised review schedule, revised odour modelling files, confirmation that water consumption from borehole is below the abstraction licence threshold of 20m ³ per day received. |
| Additional information received | 13/03/15 | Revised application form Part B3 confirming reduction in number of bird places applied for from 80,000 to 48,000. |
| Additional information received | 13/03/15 | Revised emergency plan, fugitive emissions plan, noise management plan, odour management plan, odour risk assessment, site plans, non-technical summary, site condition report and technical standards received. |

Status log of the permit

| Description | Date | Comments |
|----------------------------------|-------------|--|
| Additional information received | 01/04/15 | Noise impact assessment, additional great crested newt impact assessment, and confirmation that pests and vermin will be controlled through contract with specialist contractor received. |
| Additional information received | 07/04/15 | BAT assessment of House 1 design received. |
| Additional information received | 08/05/15 | Additional information on great crested newt impact assessment received. |
| Additional information requested | 12/05/15 | Further noise impact assessment, further information / clarification in relation to odour management plan, noise management plan, and further assessment of the impact on great crested newts requested. |
| Additional information received | 10/06/15 | Second noise impact assessment report, and revised odour management plan and noise management plan received. |
| Additional information requested | 06/08/15 | Noise modelling assessment requested (to include impact of noise from House 2). |
| Additional information received | 04/09/15 | Noise modelling assessment report (incorporating noise sources from House 2) received. |
| Additional information requested | 27/09/15 | Clarification of calculations used in noise modelling assessment report requested. |
| Additional information requested | 30/10/15 | Further great crested newt impact assessment and revised site plans requested. |
| Additional information received | 09/11/15 | Revised noise and vibration risk assessment, noise management plan, odour management plan and emergency plan received. |
| Additional information received | 10/11/15 | Further great crested newt impact assessment received. |
| Additional information received | 12/11/15 | Clarification of calculations used in noise modelling report received. |
| Additional information received | 13/11/15 | Revised site plans in line with great crested newt impact assessment report received. |
| Additional information requested | 11/12/15 | Additional information in relation to the odour management plan, noise management plan and emergency plan requested. |
| Additional information received | 14/12/15 | Revised emergency plan, noise management plan and odour management plan received. |

Status log of the permit

| Description | Date | Comments |
|-----------------------------------|-------------|---|
| Additional information requested | 13/01/16 | Revision of site plans to include location of poultry houses and great crested newt monitoring locations requested. |
| Additional information received | 19/01/16 | Revised site plans, great crested newt monitoring plan, and revised non-technical summary received. |
| Additional information requested | 08/02/16 | Revision of site plans to include location of poultry houses and capacity of dirty water tanks requested. |
| Additional information received | 08/02/16 | Revised site plans and capacity of dirty water tanks received. |
| Additional information requested | 10/02/16 | Revision of site layout plan to include location of soakaway and emissions to air points requested. |
| Additional information received | 11/02/16 | Revised site layout plan received. |
| Permit determined EPR/AB3191CV | 16/05/16 | Permit issued to Mr Daniel Jones |

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/AB3191CV

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

Mr Daniel Jones (“the operator”),

of

**Bynrorin Farm
Abermule
Montgomery
Powys
SY15 6JJ**

to operate an installation at

**Bynrorin Farm Poultry Unit
Bynrorin Farm
Abermule
Montgomery
Powys
SY15 6JJ**

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

Signed

Date

| | |
|---|---------------------------|
|  | 16 th May 2016 |
|---|---------------------------|

Eirian Macdonald

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 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.

1.2 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; and

- (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”).

2.2 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.
- (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 The operator shall maintain and implement a system to record the number of animal places and animal movements.
- 2.3.4 The operator shall maintain and implement a system to record the quantities of solid manure or slurry exported from the installation, as defined on the site plan in schedule 7. The record shall include as a minimum:
- The date of export from site
 - The quantity exported
 - Details of the receiving site

2.4 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 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, S3.2 and S3.3.
- 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;
 - (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 Monitoring

- 3.3.1 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 S3.2; and
 - (b) great crested newts specified in table S3.3.
- 3.3.2 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.

3.4 Odour

- 3.4.1 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.

3.5 Noise and vibration

- 3.5.1 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.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by Natural Resources Wales, submit to Natural Resources Wales for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests; and
 - (b) implement the pests management plan, from the date of approval, 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.

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.

4.3 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 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.
- 4.3.3 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.
- 4.3.4 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 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 | Limits of specified activity |
|---|---|--|
| Section 6.9 A(1)(a)(i) Rearing of poultry or pigs intensively in an installation with more than: (i) 40,000 places of poultry | The rearing of poultry in a facility with a capacity for 48,000 layer places. | From receipt of birds, raw materials and fuels onto the site to removal of birds and associated wastes from site |
| Directly Associated Activity | | |
| Three 10,000 litre dirty water tanks | Storage of dirty water from washing of poultry houses | Temporary storage of wash down water |

Table S1.2 Operating techniques

| Description | Parts | Date Received |
|--|--|---------------|
| Application EPR/NP3038WF/A001 | Responses to Part B3 section 3 of the application form and referenced supporting documentation. | 09/10/14 |
| Response to Schedule 5 Notice dated 30/01/15 | Revised 'Appendix 5: Technical Standards (version 2, March 2015)' Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament and of the Council on industrial emissions for Intensive Farming installations. | 13/03/15 |
| Additional information received | Revised 'Fugitive Emissions at Brynrorin Farm' (version 2, March 2015) | 31/03/15 |
| Response to Schedule 5 Notice dated 30/01/15 | Email from Agent confirming that pests and vermin will be controlled through a contract with a pest controller. | 01/04/15 |
| Response to Schedule 5 Notice dated 30/01/15 | Document 'Brynrorin Farm existing Poultry House – Housing/Management Review – 05/04/2015' (April 2015) | 07/04/15 |
| Additional information received | Revised 'Odour Management Plan (version 5, December 2015)' | 14/12/15 |
| Additional information received | Revised 'Noise Management Plan (version 5, December 2015)' | 14/12/15 |
| Additional information received | Revised 'Emergency Action Plan (version 4, December 2015) | 14/12/15 |
| Additional information received | Email from agent stating that manure and litter from the poultry houses will not be spread within the installation boundary | 19/01/16 |

Table S1.3 Pre-operational measures

| Reference | Pre-operational measures |
|-----------|---|
| PO1 | A minimum of 10 days before the commencement of the activities listed in Table S1.1 of this schedule, the Operator shall submit written confirmation to Natural Resources Wales that high velocity, ridge mounted fans have been installed and commissioned in poultry House 1. |

Table S1.3 Pre-operational measures

| Reference | Pre-operational measures |
|------------------|--|
| PO2 | <p>A minimum of three calendar months before the commencement of the activities listed in Table S1.1 of this schedule, the Operator shall submit a written report for approval to Natural Resources Wales that describes a conservation plan for the great crested newt which identifies dedicated compensation for the species. This plan shall:</p> <ul style="list-style-type: none">(i) identify all ponds and terrestrial habitats required by the species for breeding, foraging, sheltering, hibernation and dispersal purposes; and(ii) contain a programme of works for implementation of all elements of the conservation plan. |
| PO3 | <p>A minimum of three calendar months before the commencement of the activities listed in Table S1.1 of this schedule, the Operator shall submit a written report for approval to Natural Resources Wales that describes a habitat management plan for the compensation scheme referred to in pre-operational condition PO3.</p> |
| PO4 | <p>A minimum of three calendar months before the commencement of the activities listed in Table S1.1 of this schedule, the Operator shall complete a biosecurity risk assessment and submit a written report for approval to Natural Resources Wales that describes this risk assessment.</p> |
| PO5 | <p>A minimum of 10 working days before the commencement of the activities listed in Table S1.1 of this schedule, the Operator shall submit to Natural Resources Wales copies of the necessary legal agreements or other approved documentation with appropriate Third Parties to ensure the delivery and long term sustainability of the proposed mitigation and compensation measures identified within the compensation scheme referred to pre-operational condition PO3.</p> |
| PO6 | <p>The activities listed in Table S1.1 shall not be commenced without providing NRW with 10 working days notice in writing that the measures detailed in pre-operational conditions PO1, PO2, PO3, PO4 and PO5 have been completed.</p> |

Schedule 2 - waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels | |
|------------------------------------|---------------|
| Raw materials and fuel description | Specification |
| --- | --- |

Schedule 3 – emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

| Emission point ref. & location | Parameter | Source | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|--|-----------|----------------------|------------------------|------------------|----------------------|-------------------------------|
| Roof fan outlets on Houses 1 and 2 shown on the site layout plan in schedule 7 | -- | Poultry house1 and 2 | --- | --- | --- | --- |
| Exhaust from generator as shown on site layout plan in schedule 7 | | Generator | | | | |
| A5 - Vent from oil tank as shown on the site layout plan in schedule 7 | --- | Diesel Tank | ---- | --- | --- | --- |

Table S3.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

| Emission point ref. & location | Parameter | Source | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method |
|--|-----------|---|--------------------|------------------|----------------------|-------------------------------|
| Outlet from clean water drains discharging to a settlement area via field drain as shown on the site layout plan in schedule 7 | None set | Uncontaminated rainwater draining from the roofs of poultry houses 1 and 2 and clean, uncontaminated water from the yard surface. | None set | --- | --- | --- |

Table S3.3 Great crested newt monitoring requirements

| Location or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|--|--|--|--|----------------------|
| Ponds shown as points GCN1, GCN2, GCN3 and GCN4 on 'great crested newt monitoring' plan in Schedule 7. | <p>For points GCN1, GCN2, GCN3 and GCN4 as shown on plan 'great crested newt monitoring' in Schedule 7, monitoring shall comprise the following:</p> <ul style="list-style-type: none"> (i) Date and time of survey, and time taken to complete survey; (ii) Presence and number of individual Great Crested Newts; (iii) Assessment of condition of each monitoring point against Habitat Suitability Index criteria; (iv) Record of environmental conditions (air and water temperature, rain, wind, clarity and turbidity of water, vegetation and topography); and (v) Presence of any adverse factors (fish, ducks and other fowl, invasive non-native species). | Three surveys per year, with at least two of the three surveys taking place between mid-April and mid-May. | Great Crested Newt Mitigation Guidelines (English Nature, 2001) and Oldham, R.S., Keeble, J., Swan, M.J.S. and M. Jeffcote (2000), Evaluating the suitability of habitat for the Great Crested Newt (<i>Triturus cristatus</i>), <i>Herpetological Journal</i> , 10 94, pp. 134-155. | --- |

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 |
|--|---|-------------------------|----------------------|
| Great crested newt parameters as required by condition 3.6.1 | GCN1, GCN2, GCN3 and GCN4 | Every 12 months | 1 November |

Table S4.4 Reporting forms

| Media/parameter | Reporting format | Date of form |
|------------------------|--|---------------------|
| Great crested newts | Form GCN 1 or other form as agreed in writing by Natural Resources Wales | 16/06/2016 |

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 | |
| Name of operator | |
| Location of Facility | |
| Time and date of the detection | |

| | |
|--|--|
| (a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment | |
| To be notified Immediately | |
| 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 permit condition | |
| To be notified immediately | |
| 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) 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: | |
|--|--|
| To be notified immediately | |
| 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 the operator

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.

“*background concentration*” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

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.

“*emissions to land*” includes emissions to groundwater.

“*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 or background concentration 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.

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

“*Manure and slurry*” have the following meaning:

- Manures may be either slurries or solid manures.
- Slurries consist of excreta produced by livestock whilst in a yard or building mixed with rainwater and wash water and, in some cases, waste bedding and feed. Slurries can be pumped or discharged by gravity.
- Slurry includes duck effluent, seepage from manure and wash water.
- Solid manures include farmyard manure (FYM) and comprise material from straw-based housing systems, excreta with lots of straw/sawdust/woodchips in it, or solids from mechanical separators.
- Most poultry systems produce solid manure (litter).
- Solid manure can generally be stacked.

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

“*Pests*” means Birds, Vermin and Insects.

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

“*SGN How to comply – Intensive Farming*” The EPR Sector Guidance Note 6.09 for intensive pig and poultry farmers, Version 4 published October 2014.

“*year*” means calendar year ending 31 December

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.

Site layout plan (Not to scale and for reference only)



