



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

## **Permit with introductory note**

The Environmental Permitting (England & Wales) Regulations 2016

---

Ystum Colwyn Farms Limited

Ystum Colwyn Farm Poultry Unit  
Ystum Colwyn Farm  
Meifod  
Welshpool  
Powys  
SY22 6XT

Permit number  
EPR/AB3391CD

# **Ystum Colwyn Farm Poultry Unit**

## **Permit number EPR/AB3391CD**

### **Introductory note**

#### **This introductory note does not form a part of the permit**

The main features of the permit are as follows.

Ystum Colwyn Farm Poultry Unit is situated approximately 4.4 kilometres North East from the village of Meifod in Powys. It is approximately centred on National Grid Reference 319175, 316498.

The installation is operated by Ystum Colwyn Farms Limited and will house a maximum of 340,000 broiler chickens. The birds will be brought to the site at approximately one day old and removed at approximately forty-nine days old.

The birds will be delivered and removed on an “All In, All Out” basis.

The birds will be housed in six buildings each of which will be constructed to the latest BAT standards. Buildings 3,4 5 and 6 will be equipped with three Heat Exchangers (MultiHeat Heaters) to control odour emissions.

After the birds are removed the litter will be removed and spread on agricultural land outside the permit boundary. The buildings will then be cleaned, disinfected and dried prior to the next re-stocking of birds. All wash waters will be collected and disposed of appropriately.

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

| <b>Status log of the permit</b>                     |                         |   |
|---|-------------------------|---|
| <b>Description</b>                                  | <b>Date</b>             | <b>Comments</b>   |
| Application PAN-000441 received                     | 20/06/2016              | Application for 100,000 broiler places installation permit. |
| Application PAN-000441                              | Duly made<br>15/08/16   |   |
| Permit EPR/AB3391CD determined                      | 12/12/2016              | Permit issued   |
| Variation application received<br>EPR/AB3391CD/V002 | Duly made<br>28/03/2017 |   |
| Additional information requested                    | 21/06/2017              | Site plan   |
| Additional information received                     | 07/07/2017              | Site plan   |
| Additional information received                     | 14/07/2017              | Updated ammonia modelling                                   |
| Additional information requested                    | 27/11/2017              | Odour treatment   |
| Additional information received                     | 14/02/2018              | Information on air emissions scrubbers provided             |

| <b>Status log of the permit</b>                        |   |   |
|--|---|---|
| <b>Description</b>                                     | <b>Date</b>                               | <b>Comments</b>                                   |
| Permit variation<br>EPR/AB3391CD/V002<br>determined    | 02/05/2018                                | Varied and consolidated permit issued.            |
| Variation application<br>received<br>EPR/AB3391CD/V003 | 03/10/2018<br><br>Duly Made<br>22/10/2018 | Application to remove pre-operational conditions. |
| Additional information<br>requested                    | 26/10/2018                                | Request for odour modelling files                 |
| Additional information<br>received                     | 09/11/2018                                | Odour modelling files received                    |
| Additional information<br>received                     | 21/12/2018                                | Information on Heat Exchangers                    |
| Additional information<br>received                     | 23/10/2019                                | Site Plan   |
| Permit variation<br>EPR/AB3391CD/V003<br>determined    | 25/11/2019                                | Varied and consolidated permit issued.            |

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

**EPR/AB3391CD**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/AB3391CD/V003 authorising,

**Ystum Colwyn Farms Limited** ("the operator"),

Whose registered office is

**Glanafon Farm**

**Meifod**

**Welshpool**

**Powys**

**SY22 6XT**

company registration number **05662695**

to operate an installation at

**Ystum Colwyn Farm Poultry Unit**

**Ystum Colwyn Farm**

**Meifod**

**Welshpool**

**Powys**

**SY22 6XT**

to the extent authorised by and subject to the conditions of this permit as set out in Appendix 1 and in Appendix 2.

Signed

Date

|                    |                   |
|--------------------|-------------------|
| <b>Holly Noble</b> | <b>25/11/2019</b> |
|--------------------|-------------------|

Authorised on behalf of Natural Resources Wales

# APPENDIX 1

## Sector Specific Conditions

### Introductory note

**This introductory note does not form a part of the Condition set**

The conditions set out below are incorporated into this permit.

End of introductory note.

## 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.

### 1.2 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**

See Appendix 2.

## **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 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 The operator shall maintain and implement a system to record the number of animal places and animal movements.
- 2.3.3 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 the site
  - the quantity exported
  - details of the receiving site

- 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.
- 2.3.6 The operator shall ensure that a diet formulation and a nutritional strategy is used that minimises as far as is practicable the amount of Phosphorus and Nitrogen excreted.
- 2.3.7 Any raw materials or fuels listed in appendix 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.8 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in appendix 2 table S2.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.9 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

## **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 tables S3.2, S3.3 and S3.4.

### **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.
- 3.2.4 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.

### **3.3 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;
  - (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;
  - (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:
- (a) emissions specified in tables S3.1, S3.2, S3.3 and S3.4.
- 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.

## **3.6 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 and annoyance from pests;
  - (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;
  - (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 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 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.
- 4.3.3 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**

See Appendix 2

## **Schedule 2 Waste types, raw materials and fuels**

See Appendix 2

## Schedule 3

### Emissions and Monitoring

**Table S3.1 BAT associated emission levels and monitoring requirements** <sup>Note 1</sup>

| Emission point ref. & location | Parameter                                      | Source       | Limit (incl. unit)                                 | Reference period | Monitoring frequency | Monitoring standard or method  |
|--------------------------------|--|--------------|--|------------------|----------------------|--|
| Weaners                        | Nitrogen (N)                                   | Excreted     | 4.0 kg N /animal place                             | Per year         | Annually             | Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or<br>Estimation by using manure analysis for total nitrogen and total phosphorus content |
|                                | Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) | Excreted     | 2.2 kg P <sub>2</sub> O <sub>5</sub> /animal place | Per year         | Annually             | As above   |
|                                | Ammonia (as NH <sub>3</sub> )                  | Animal house | 0.53 kgNH <sub>3</sub> /animal place               | Per year         | Annually             | Estimation using emission factors  |
| Fattening Pigs                 | Nitrogen (N)                                   | Excreted     | 13.0 kg N /animal place                            | Per year         | Annually             | Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or<br>Estimation by using manure analysis for total nitrogen and total phosphorus content |
|                                | Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) | Excreted     | 5.4 Kg P <sub>2</sub> O <sub>5</sub> /animal place | Per year         | Annually             | As above   |

**Table S3.1 BAT associated emission levels and monitoring requirements** Note 1

| Emission point ref. & location                           | Parameter                                      | Source       | Limit (incl. unit)                                  | Reference period | Monitoring frequency | Monitoring standard or method  |
|--|--|--------------|---|------------------|----------------------|--|
|  | Ammonia (as NH <sub>3</sub> )                  | Animal house | 2.6 kg NH <sub>3</sub> /animal place                | Per year         | Annually             | Estimation using emission factors  |
| Sows (including suckling piglets)                        | Nitrogen (N)                                   | Excreted     | 30.0 kg N /animal place                             | Per year         | Annually             | Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or<br>Estimation by using manure analysis for total nitrogen and total phosphorus content |
|  | Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) | Excreted     | 15 kg P <sub>2</sub> O <sub>5</sub> /animal place   | Per year         | Annually             | As above   |
| Mating and gestating sows                                | Ammonia (as NH <sub>3</sub> )                  | Animal house | 2.7 kg NH <sub>3</sub> /animal place                | Per year         | Annually             | Estimated using excretion factors  |
| Farrowing sows (including suckling piglets) with crates. | Ammonia (as NH <sub>3</sub> )                  | Animal house | 5.6 kg NH <sub>3</sub> /animal place                | Per year         | Annually             | Estimated using excretion factors  |
| Laying hens  | Nitrogen (N)                                   | Excreted     | 0.8 kg N /animal place                              | Per year         | Annually             | Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or<br>Estimation by using manure analysis for total nitrogen and total phosphorus content |
|  | Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) | Excreted     | 0.45 kg/P <sub>2</sub> O <sub>5</sub> /animal place | Per year         | Annually             | As above   |

**Table S3.1 BAT associated emission levels and monitoring requirements** Note 1

| Emission point ref. & location   | Parameter                                      | Source       | Limit (incl. unit)                                  | Reference period | Monitoring frequency | Monitoring standard or method  |
|----------------------------------|--|--------------|---|------------------|----------------------|--|
| Laying hens in Caged housing     | Ammonia (as NH <sub>3</sub> )                  | Animal house | 0.08 kg NH <sub>3</sub> /animal place               | Per year         | Annually             | Estimation by using emission factors   |
| Laying hens in Non caged housing | Ammonia (as NH <sub>3</sub> )                  | Animal house | 0.13 kg NH <sub>3</sub> /animal place               | Per year         | Annually             | Estimation by using emission factors   |
| Broilers                         | Nitrogen (N)                                   | Excreted     | 0.6 kg N /animal place                              | Per year         | Annually             | Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or<br>Estimation by using manure analysis for total nitrogen and total phosphorus content |
|                                  | Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) | Excreted     | 0.25 kg P <sub>2</sub> O <sub>5</sub> /animal place | Per year         | Annually             | As above   |
|                                  | Ammonia (as NH <sub>3</sub> )                  | Animal house | 0.08 kg NH <sub>3</sub> /animal place               | Per year         | Annually             | Estimation by using emission factors   |
| Ducks                            | Nitrogen (N)                                   | Excreted     | 0.8 kg N /animal place                              | Per year         | Annually             | Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or<br>Estimation by using manure analysis for total nitrogen and total phosphorus content |

**Table S3.1 BAT associated emission levels and monitoring requirements** Note 1

| Emission point ref. & location | Parameter                                      | Source   | Limit (incl. unit)                                 | Reference period | Monitoring frequency | Monitoring standard or method  |
|--------------------------------|--|----------|--|------------------|----------------------|--|
| Turkeys                        | Nitrogen (N)                                   | Excreted | 2.3 kg N /animal place                             | Per year         | Annually             | Calculation by using a mass balance of nitrogen and phosphorus based on the feed intake, dietary content of crude protein, total phosphorus and animal performance or<br>Estimation by using manure analysis for total nitrogen and total phosphorus content |
|                                | Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) | Excreted | 1.0 kg P <sub>2</sub> O <sub>5</sub> /animal place | Per Year         | Annually             | As above   |

Note 1. There are no BAT emission factors specified for pullets.

**Table S3.2 – Point source emissions to air emissions limits and monitoring requirements** - see Appendix 2.

**Table S3.3 – Point source emissions to water (other than sewer) – emission limits and monitoring** – see Appendix 2.

**Table S3.4 – Point source emissions to land – emission limits and monitoring** – see Appendix 2

## **Schedule 4**

### **Reporting**

See Appendix 2

## 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 within 24 hours  |  |
| 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 within 24 hours                                     |  |
| 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 within 24 hours                                  |  |
|---|--|
| 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.  |  |

|                  |  |
|------------------|--|
| <b>Name*</b>     |  |
| <b>Post</b>      |  |
| <b>Signature</b> |  |
| <b>Date</b>      |  |

\* 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.

*“BAT”* means “best available techniques” as detailed in the Commission Implementing Decision (EU) 2017/302 of 15 February 2017.

*“building”* means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

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

*“emission factors”* are figures which have been agreed in writing with Natural Resources Wales and can be used in specific calculations.

*“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..*

*“excretion factors”* are figures which have been agreed in writing with Natural Resources Wales and can be used in specific calculations.

*“EP Regulations”* means The Environmental Permitting (England and Wales) Regulations SI 2016 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.

*“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 muck 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.

*“Manure management plan”* means the requirements described in Section 2.3 of SGN 6.09 How to Comply – Intensive Farming.

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

*“SGN How to comply – Intensive Farming”* The EPR Sector Guidance Note 6.09 for intensive pig and

poultry farmers, version 2 published January 2010.

“year” means calendar year ending 31 December.

## **Schedule 7 – Site plan** – see Appendix 2

# APPENDIX 2

## Site Specific Conditions

### Introductory note

**This introductory note does not form a part of the Condition set**

The conditions set out below are incorporated into this permit.

End of introductory note.

## 2 Operations

### 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.

### 2.4 Pre-operational conditions

- 2.4.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

## 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) Rearing of poultry or pigs intensively in an installation with more than 40,000 places for poultry. | The rearing of poultry in a broiler facility.  | To house a maximum capacity of 340,000 birds. From receipt of birds, raw materials and fuels onto the site, to removal of birds and associated wastes from site. |
| Directly Associated Activity  |  |  |
| Biomass Boilers   | Operation of two Biomass Boilers with a capacity of 1138.5kWth each, for site heating and hot water requirements, burning biomass fuel not comprising waste or animal carcasses. | From receipt of raw materials and fuels, to release of combustion products to air and associated wastes removed from site.                                       |
| Heat Exchangers   | Recovery of heat   | Three Heat exchangers (on sheds 3,4,5 & 6) to be in constant operation to mitigate the impacts of odour emissions.   |

| <b>Table S1.1 activities</b>                               |  |  |
|--|--|--|
| <b>Activity listed in Schedule 1 of the EP Regulations</b> | <b>Description of specified activity</b>               | <b>Limits of specified activity</b>  |
| Three dirty water tanks.                                   | Storage of dirty water from washing of poultry houses. | Temporary storage of wash down water in underground tanks.                 |
| Fuel storage   | Storage of fuel oil for standby generator.             | Temporary storage of fuel for use.   |
| Chemical storage   | Storage of chemicals for use on site.                  | Temporary storage of chemicals necessary for operation of the installation |

| <b>Table S1.2 Operating techniques</b> |  |                      |
|--|--|----------------------|
| <b>Description</b>                     | <b>Parts</b>   | <b>Date Received</b> |
| Application PAN-000441                 | Responses to Part B3 section 3 of the application form and referenced supporting documentation.  | 20/06/16             |
|  | 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.                      |                      |
| Application EPR/AB3391CD/V002          | Part B2 and B3 of the application and all referenced supporting documents.   | 28/03/17             |
| Application EPR/AB3391CD/V002          | Odour Management plan<br>Noise Management Plan   | 28/03/17             |
| Application EPR/AB3391CD/V003          | Responses to Part C2 and C3 section 3 of the application form and all referenced supporting documents.<br><br>Odour Management Plan, Noise Management Plan, Environmental Statement, Environmental Management System | 03/10/2018           |
| Application EPR/AB3391CD/V003          | Proposed Heat Exchangers (MultiHeat Heaters) on sheds 3,4,5 and 6  | 21/12/2018           |

| <b>Table S1.3 Pre-operational measures</b> |   |
|--|---|
| <b>Reference</b>                           | <b>Pre-operational measures</b>   |
| PO3  | The operator will install the Heat Exchangers (MultiHeat Heaters) as detailed in the information submitted to Natural Resources Wales on 21 December 2018 prior to the operation of poultry houses 3,4,5 and 6. |

## Schedule 2 - Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels |   |
|------------------------------------|---|
| Raw materials and fuel description | Specification   |
| Fuel for biomass boiler units      | Biomass fuel comprising only virgin timber, straw, miscanthus or a combination of these. Not to include any waste material. |

| Table S2.2 Permitted waste types and quantities |             |
|---|-------------|
| Maximum Quantity of none                        |             |
| Waste Code                                      | Description |
| None set  | None set    |

## Schedule 3 – Emissions and Monitoring

| Table S3.2 Point source emissions to air – emission limits and monitoring requirements                   |           |  |                    |                  |                      |                               |
|--|-----------|--|--------------------|------------------|----------------------|-------------------------------|
| Emission point ref. & location   | Parameter | Source                                   | Limit (incl. unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| High velocity roof fans outlets on poultry houses 1 to 6 as shown on the site layout/ plan in schedule 7 | None Set  | Poultry houses 1 to 6.                   | None Set           | None Set         | None Set             | None Set                      |
| Heat Exchangers as shown on the site layout plan in schedule 7   | Odour     | Heat Exchangers at poultry houses 3 to 6 | None Set           | None Set         | None Set             | None Set                      |
| Gable end fan outlets on building as shown on the site plan in schedule 7                                | None Set  | Poultry houses 1 to 6                    | None Set           | None Set         | None Set             | None Set                      |
| Exhaust from the generator as shown on the site layout plan in schedule 7                                | None Set  | Generator                                | None Set           | None Set         | None Set             | None Set                      |
| Vent from fuel tank as shown on the site layout plan in schedule 7                                       | None Set  | Diesel Tank                              | None Set           | None Set         | None Set             | None Set                      |
| Emissions from biomass boilers as shown on the site layout plan in Schedule 7                            | None set  | Biomass Boilers                          | None set           | None Set         | None Set             | None Set                      |

**Table S3.3 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements**

| <b>Emission point ref. &amp; location</b>   | <b>Parameter</b> | <b>Source</b>  | <b>Limit (incl. unit)</b> | <b>Reference Period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
|---|------------------|--|---------------------------|-------------------------|-----------------------------|--------------------------------------|
| Outlet from clean water drains discharging to River Vyrnwy as shown on the site drainage plan in schedule 7 | None set         | Clean, uncontaminated rainwater draining from the roofs of poultry houses and clean yard area. | None set                  | None set                | None set                    | None set                             |

**Table S3.4 Point Source emissions to land – emission limits and monitoring requirements**

| <b>Emission point ref. &amp; location</b> | <b>Parameter</b> | <b>Source</b> | <b>Limit (incl. unit)</b> | <b>Reference Period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
|---|------------------|---------------|---------------------------|-------------------------|-----------------------------|--------------------------------------|
| None                                      | None set         | None set      | None set                  | None set                | None set                    | None set                             |

## 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 |
| As detailed in Table S3.1 and as applicable to your operation | As detailed in Table S3.1 and as applicable to your operation | Annually         | 1 January     |

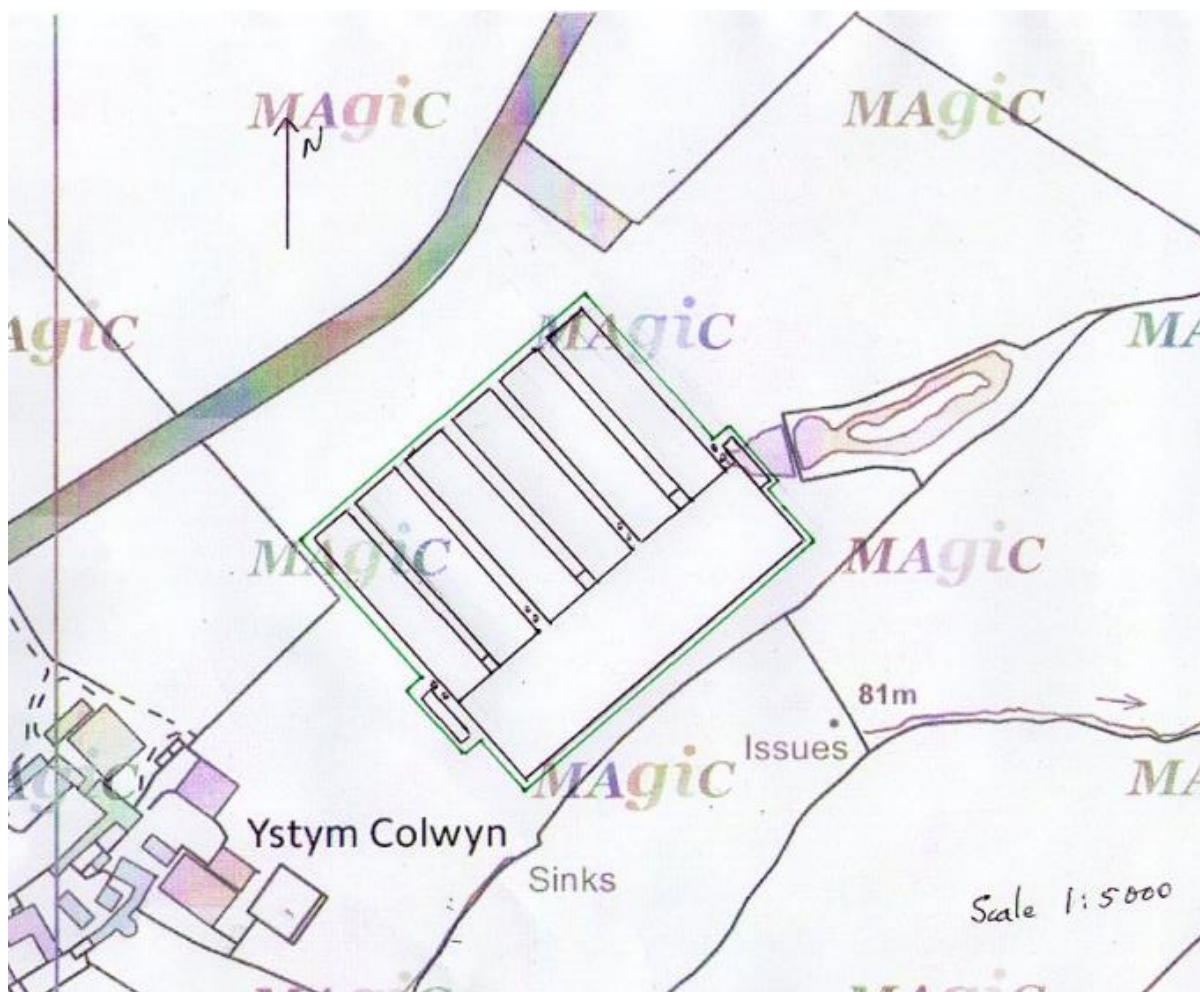
| Table S4.2: Annual production/treatment |       |
|---|-------|
| Parameter                               | Units |
| Live birds removed from site            | Birds |

| Table S4.3 Performance parameters |                         |   |
|-----------------------------------|-------------------------|---|
| Parameter                         | Frequency of assessment | Units   |
| Ammonia                           | Annually                | kg NH <sub>3</sub> /animal place/year                       |
| Total Nitrogen excreted           | Annually                | kg N excreted/animal place/year                             |
| Total Phosphorus excreted         | Annually                | kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year |

| Table S4.4 Reporting forms  |  |              |
|---|--|--------------|
| Media/parameter   | Reporting format   | Date of form |
| kg N excreted/animal place/year<br>and<br>kg P <sub>2</sub> O <sub>5</sub> excreted/animal place/year | Form N&P Excretion 1 or other form as agreed in writing by Natural Resources Wales | 02/05/18     |
| kg NH <sub>3</sub> /animal place/year   | Form Air 1 or other form as agreed in writing by Natural Resources Wales           | 02/05/18     |

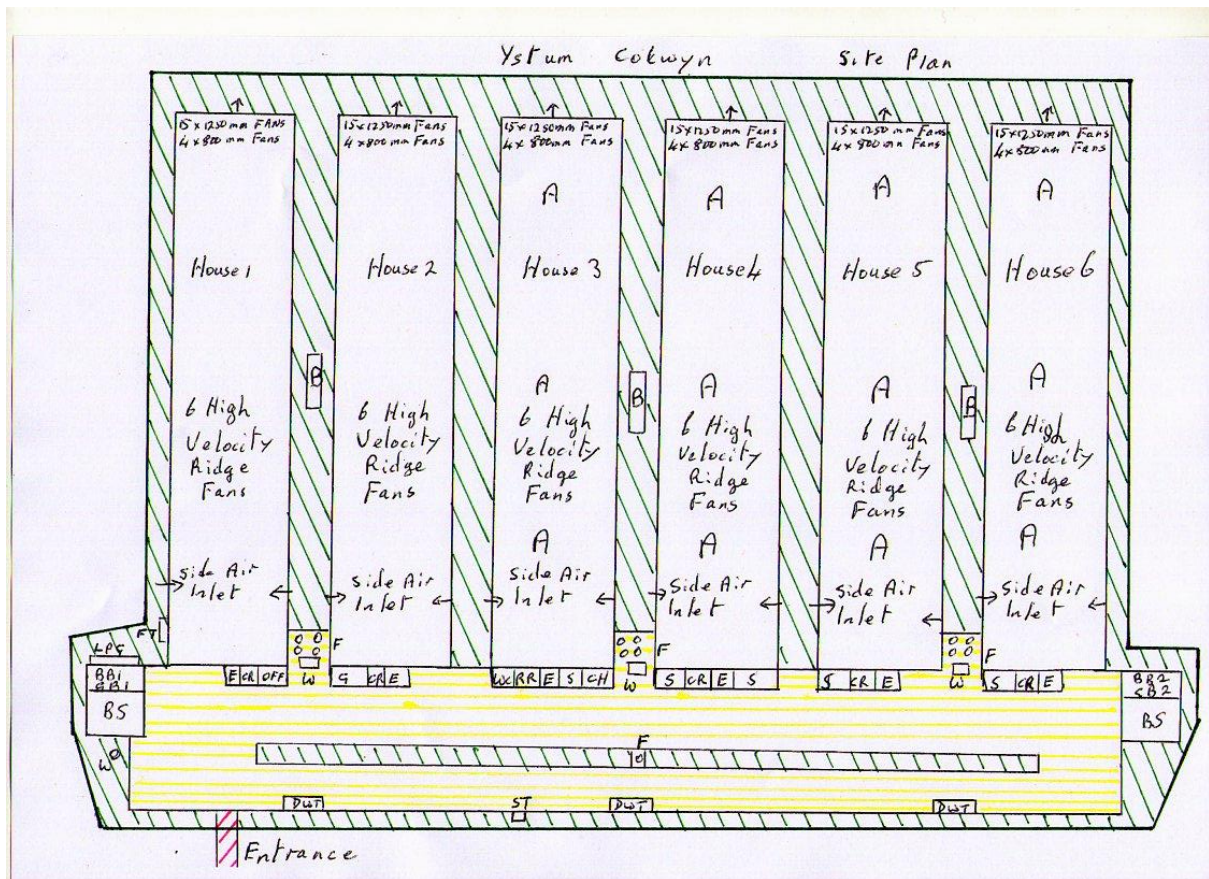
## Schedule 7 - Site plan

Site plan



© Crown Copyright and database right 2019. Ordnance Survey licence number 100019741.

Site layout plan (not to scale):

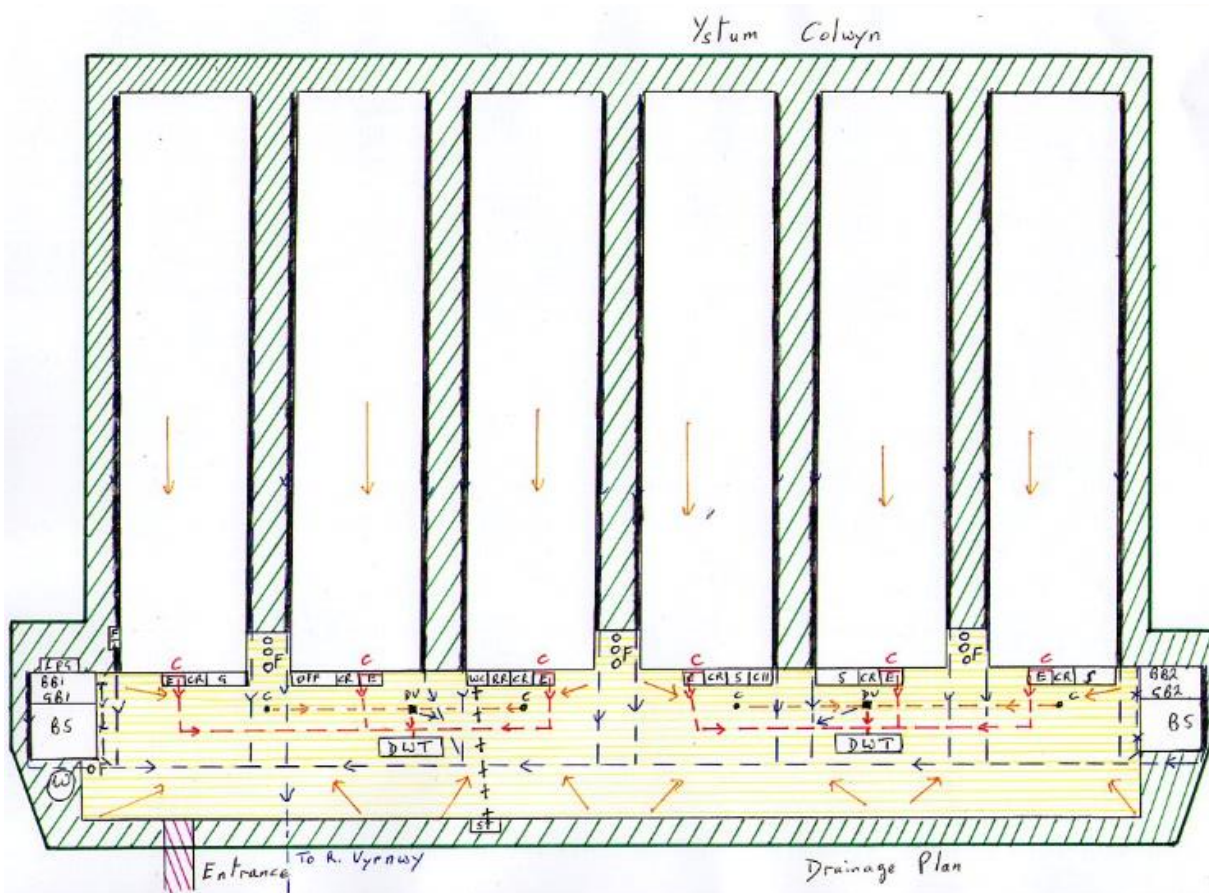


Site Plan Legend

|  |          |
|--|----------|
| Concrete Yard                              |          |
| Impermeable Hardcore                       |          |
| Grass Area                                 |          |
| Dirty Water Tank (3)                       | DWT      |
| Bunded Generator                           | G        |
| Bunded Fuel Tank (integral with generator) | G        |
| Office                                     | OFF      |
| Washroom                                   | WC       |
| Septic Tank                                | ST       |
| Rest Room                                  | RR       |
| Site Boundary                              |          |
| Feed Bins                                  | o F      |
| Wheat Blending Shed                        | W        |
| Control Room                               | CR       |
| Biomass Boiler                             | BB1, BB2 |
| Biomass Storage                            | BS       |
| LPG Boiler                                 | GB1, GB2 |
| LPG Gas                                    | LPG      |
| Chemical Store                             | CH       |
| General Store                              | S        |
| House Entry                                | E        |
| Clean Water Storage Tank                   | W        |
| Multi-heat points, 3 per house 3, 4, 5, 6  | A        |
| Ground source heat pod                     | B        |

All feed bins are collision damage protected  
 All oil and LPG tanks are collision protected  
 All houses have under floor heating (1-6)

Site drainage plan (not to scale):



Drainage Plan Legend

|   |          |
|---|----------|
| New Concrete Yard                       |          |
| Impermeable Hardcore                    |          |
| Grass Area                              |          |
| French Drain                            |          |
| Dirty Water Tank (2)                    | DWT      |
| Septic Tank                             | ST       |
| Bunded Generator                        | G        |
| Bunded Fuel Tank                        | FT       |
| Office                                  | OFF      |
| Washing facility                        | WC       |
| Rest Room                               | RR       |
| Site Boundary                           |          |
| Feed Bins                               | o F      |
| Control Room                            | CR       |
| Biomass Boiler                          | BB1, BB2 |
| Biomass Storage                         | BS       |
| LPG Boiler                              | GB1, GB2 |
| LPG Gas                                 | LPG      |
| Chemical Store                          | CH       |
| Store                                   | S        |
| Bird exit doors                         | E        |
| Clean Water Storage Tank                | W        |
| Clean water drains                      |          |
| Down spout and guttering (BB buildings) |          |
| Dirty Water drains                      |          |
| Foul water drain                        |          |
| Drains used for clean and dirty water   |          |
| Flow direction                          |          |
| Diverter Valve                          | DV       |
| Dirty water drain                       | C        |
| Yard water drain                        | C        |

All feed bins are collision damage protected  
All oil tanks are collision protected

END OF PERMIT