

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

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**2 Agriculture Limited**

**Llay Feed Mill  
Miners Road  
Llay Industrial Estate  
Llay  
Wrexham  
LL12 0PJ**

Permit number

**EPR/AP3337HF**

# **Llay Feed Mill**

## **Permit number EPR/AP3337HF**

### **Introductory note**

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

The main features of the permit are as follows.

2 Agriculture Limited operate an animal feed manufacturing Installation at Llay, Wrexham. The Installation is situated within in an industrial estate and is centred on National Grid Reference SJ 3280 5650. The plant operates 24 hours per day, seven days per week for 52 weeks during the year with stops in production to enable maintenance and cleaning. Grain materials are processed into approximately 44 different product lines including extruded, pelleted product, heat treated meal, 'crumb' and a mix of whole wheat and pellets. Activities related to the manufacture of products include weighbridge reception of raw materials, handling and storage of raw materials and intermediates, grinding, blending, mixing, pressing, heat treatment, conditioning, cooling, fats coating, final product storage and despatch. All finished product is despatched in the form of bulk material.

Raw materials used in process activities are principally cereals for example wheat and barley, which are delivered in bulk using HGVs. Depending on product specifications, certain wheat fractions are treated with acid to eliminate specific micro-organisms following which the wheat is stored in dedicated bins until it is required to be mixed with pellets. The remaining balance of cereals is ground to the required size prior to being mixed with supplements and medicinal feed additives. The mixture is then conditioned with steam to improve workability and eliminate bacteria before being passed to either one of two available press lines used to extrude pellets or to a heat treatment line used to generate non-pelleted product or meal. Pellets are then cooled and the majority subsequently fat coated. This product stream is used as chicken food. Pelleted products destined as chick feed are crushed and then fat coated. Finished product is then stored in silos prior to being loaded to bulk delivery vehicles via an automated system.

The Installation has on-site facilities for the handling and storage of wastes. A single boiler unit (with a rated thermal input of 3.5 MW) fired on natural gas is used to raise steam. The exhaust gases are emitted via a 23 m high stack.

Emissions to air from the Installation are principally associated with dust or particulate from the handling and processing of raw materials, intermediates and products, and from the combustion gases from the boiler unit. The site discharges uncontaminated surface water to surface water and process effluents to sewer.

The Operator is a participant in the Climate Change Agreement made under the aegis of the UK Agricultural Supply Trade Association.

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 EPR/RP3835SY/A001	Duly made 22/04/2005	

Additional information received	12/10/2005	
Permit determined EPR/RP3835SY	13/04/2006	
Application EPR/AP3337HF/T001	Duly made 02/03/2011	
Transfer determined EPR/AP3337HF	08/03/2011	Permit transferred in full
Variation application EPR/AP3337HF/V002	Duly made 03/12/2014	Admin variation to update Company name and address
Variation application EPR/AP3337HF/V002	22/12/2014	Variation issued to 2 Agriculture Limited
Variation application EPR/AP3337HF/V003 PAN-001472	11/04/2017	
Application returned EPR/AP3337HF/V003 PAN-001472	05/05/2017	Application incomplete
Variation application EPR/AP3337HF/V004 PAN-001908	30/08/2017	
Application returned EPR/AP3337HF/V004 PAN-001908	06/10/2017	
Variation application EPR/AP3337HF/V005	Duly made 22/12/2017	Variation to add extrusion plan and extend site boundary
Additional information received	22/03/2018	Information received in response to Schedule 5 notice dated 27/02/2018
Additional information received	04/05/2018	Information received in response to Schedule 5 notice dated 03/04/2018
Additional information received	28/06/2018	Information received in response to Schedule 5 notice dated 24/05/2018
Variation issued EPR/AP3337HF/V005	15/08/2018	Varied and consolidated permit issued
Regulation 61 Notice sent to the Operator	24/04/2020	Issue of a Notice under Regulation 61(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit following the publication of the revised Best Available Techniques (BAT) Reference Document (BRef) for the Food, Drink and Milk Industries.
Regulation 61 Notice response	13/11/2020	Response received from the operator.
NRW Initiated variation determined EPR/AP3337HF/V006	21/01/2022	Varied permit issued to Operator.

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

**Permit number**  
**EPR/AP3337HF**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/AP3337HF/V006 authorising

**2 Agriculture Limited** (“the operator”),  
whose registered office is

**Fairview Mill**  
**Ingliston**  
**Newbridge**  
**Midlothian**  
**EH28 8NB**

company registration number **SC156515**  
to operate an installation at

**Llay Feed Mill**  
**Miners Road**  
**Llay Industrial Estate**  
**Llay**  
**Wrexham**  
**LL12 0PJ**

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

Signed	Date
<b><i>Holly Noble</i></b>	<b><i>21/01/2022</i></b>

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.

### 1.2 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 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.
- 2.3.4 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.

## **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 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 in schedule 3 to this permit:
  - (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
- 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 and the environmental 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, S3.2 and S3.3 unless otherwise agreed in writing by Natural Resources Wales.

## **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;
  - (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 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 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.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, Natural Resources Wales shall be notified within one month of:
  - (a) a decision by the Secretary of State not to re-certify the agreement;
  - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
  - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## **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 “immediately” or “without delay” in which case it may be provided by telephone.

# Schedule 1 - Operations

**Table S1.1 activities**

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR1	S6.8 A1(d)(ii) – Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed intended for the production of food of feed (where the weight of the finished product excludes packaging) – (ii) only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day	Animal feed manufacture	From transfer of raw material and storage, through storage, grinding, weighing, mixing, pelleting, steam conditioning, cooling, spray application of oils, to transfer to finished product storage.  Maximum capacity limited to the agreed figure provided in response to part (b) of Improvement Condition 10.
<b>Directly Associated Activity</b>			
AR2	Directly associated activity	Storage and handling of raw materials	From receipt of raw materials, through storage to transfer to the processing units
AR3	Directly associated activity	Storage and despatch of products	From transfer of finished product from the process units, through to storage and despatch from the installation
AR4	Directly associated activity	Steam generation in an appliance with rated thermal input of 3.5 MW	Raising of steam using natural gas (non-interruptible supply) for intermediate product conditioning
AR5	Directly associated activity	Vehicle washing	Washing of internal areas of Heavy Goods Vehicles used for raw material delivery and product export

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in pages 23-61 of the application	22/04/2005
Additional information	Responses to Request for information dated 23/09/2005	12/10/2005
Operating Techniques	2.0 Operating Procedures, 3.0 Regulated Facility Infrastructure, 4.0 Emissions Control, 5.0 Accident Management	04/05/2018
Environmental Risk Assessment (v2)	Methods to manage risk	04/05/2018

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Response to regulation 61(1) Notice – request for information dated 24/04/2020 detailing how the Operator will comply with the BAT conclusions for The Food, Drink and Milk Industries under Directive 2010/75/EU of the European Parliament and of the Council	All	13/11/2020
Further information received via E-mail	All	24/09/2021 and 04/10/2021

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
1	The operator shall develop a written Site Closure Plan with regard to the requirements set out in Section 2.11 of the Sector Guidance Note IPPC S6.10 , August 2003. Upon completion of the plan a summary of the document shall be submitted in writing.	Completed
2	<p>The Operator shall assess the options for improvement of secondary containment for the storage of bulk liquids, have regard to Section 2.2.5 of Sector Guidance Note IPPC S6.10, August 2003. Particular attention shall be paid to the following areas:</p> <ul style="list-style-type: none"> <li>• Detergents used for vehicle washing</li> <li>• Diesel fuel</li> </ul> <p>On completion of the options assessment, the Operator shall submit a report summarising the options identified together with a timetable for implementing any identified improvements.</p>	Superseded by IC 5
3	The Operator is required to produce a written Odour Management Plan (OMP) in line with Horizontal Guidance Note H4 Odour Management, for approval by Natural Resources Wales within the period specified.	Within three months
4	The operator shall update the written Site Closure Plan previously produced for IC1, to include the area of land added in variation V005. Upon completion of the plan it shall be submitted in writing to Natural Resources Wales.	Within three months
5	The Operator shall assess the options for improvement of secondary containment for the storage of all bulk liquids with regard to all relevant guidance. On completion of the options assessment, the Operator shall submit a report to Natural Resources Wales summarising the options identified together with a timetable for implementing any identified improvements.	Within three months

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
IC6	<p>The Operator shall complete and submit for approval in writing by Natural Resources Wales:</p> <ul style="list-style-type: none"> <li>• A baseline report containing information necessary to determine the current state of soil and groundwater contamination;</li> <li>or</li> <li>• Provide a summary report referring to information previously submitted where you are satisfied that such information represents the current state of soil and groundwater contamination;</li> </ul> <p>so as to enable a quantified comparison to be made with the state of soil and groundwater contamination upon definitive cessation of activity.</p>	4 June 2023 or otherwise agreed in writing with Natural Resources Wales
IC7	<p>The Operator shall submit to Natural Resources Wales an updated written procedure(s) describing how they intend to meet the following BAT requirements in accordance with requirements specified within:</p> <ul style="list-style-type: none"> <li>• BAT Conclusions for Animal Feed within the Food, Drink and Milk Industries BRef Document (EU 2019) – Table 2 - Indicative Environmental Performance Levels for Specific Energy Consumption</li> </ul>	4 June 2023 or otherwise agreed in writing with Natural Resources Wales
IC8	<p>The Operator shall submit to Natural Resources Wales an updated written procedure(s) describing how they intend to meet the following BAT requirements in accordance with requirements specified within:</p> <ul style="list-style-type: none"> <li>• BAT Conclusion 2 of the Food, Drink and Milk Industries BRef Document (EU 2019) – In order to increase the resource efficiency and to reduce emissions, BAT is to establish, maintain and regularly review an inventory of water, energy and raw materials consumption as well as of waste water and waste gas inventory as part of the environmental management system that incorporates all of the specified features</li> </ul>	4 June 2023 or otherwise agreed in writing with Natural Resources Wales
IC9	<p>As part of the ongoing investigative work regarding noise impact and noise reduction measures. The Operator shall review the proposed noise reduction measures in line with the BAT requirements. The Operator shall submit to Natural Resources Wales an updated written procedure(s) describing how they intend to meet the following BAT requirements in accordance with requirements specified within:</p> <ul style="list-style-type: none"> <li>• BAT Conclusion 14 of the Food, Drink and Milk Industries BRef Document (EU 2019) – In order to prevent or, where that is not practicable, to reduce noise emissions, BAT is to use one or a combination of the techniques given.</li> </ul>	4 June 2023 or otherwise agreed in writing with Natural Resources Wales

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
IC10	<p>(a) The Operator shall submit to NRW the maximum capacity of the installation that was used in the most recent risk assessment submitted to NRW.</p> <p>(b) The Operator shall submit to NRW for approval the maximum capacity of the installation at the current time.</p> <p>(c) If the maximum capacity of the installation has increased from the time of the last submitted risk assessment and the current time, the Operator shall review and update the risk assessment to account for the current maximum capacity. The risk assessment shall be submitted to NRW for review.</p> <p>Notes:  The capacity is to be taken and presented using the same units from the relevant sub-section of Section 6.8, Part 2, Schedule 1 of the Environmental Permitting Regulations 2016 (as from time to time amended).  Capacity is to be taken as the maximum possible capacity of the installation, not the maximum actual production.  The risk assessment should follow the methodology set out in The Environmental Risk Assessment (EPR-H1). You may use a methodology other than EPR-H1 however the methodology must address the same issues as in EPR-H1 to an equivalent level of detail.</p>	<p>(a) and (b)  Within 6 months of permit variation issue</p> <p>(c) Within 9 months of permit variation issue (if applicable)</p>

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

**Table S2.1 Raw materials and fuels**

Raw materials and fuel description	Specification
None specified	-



## Schedule 3(a) – Emissions and monitoring effective until 3 December 2023

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

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on emissions plan in Schedule 7]	Boiler stack	No parameters set	No limit set	-	-	-
A2 [Point A2 on emissions plan in schedule 7]	Boiler Hot Well Tank Vent	No parameters set	No limit set	-	-	-
A3 [Point A3 on emissions plan in schedule 7]	Fats Storage Tank 1 Breather Vent	No parameters set	No limit set	-	-	-
A4 [Point A4 on emissions plan in Schedule 7]	Fats Storage Tank 2 Breather Vent	No parameters set	No limit set	-	-	-
A5 [Point A5 on emissions plan in Schedule 7]	Fats Storage Tank 3 Breather Vent	No parameters set	No limit set	-	-	-
A6 [Point A6 on emissions plan in Schedule 7]	Diesel Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A7 [Point A7 on emissions plan in Schedule 7]	Diesel Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A8 [Point A8 on emissions plan in Schedule 7]	Soya Bulk Storage Tank 1 Breather Vent	No parameters set	No limit set	-	-	-
A9 [Point A9 on emissions plan in Schedule 7]	Soya Bulk Storage Tank 2 Breather Vent	No parameters set	No limit set	-	-	-

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

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A10 [Point A10 on emissions plan in Schedule 7]	Biocide Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A11 [Point A11 on emissions plan in Schedule 7]	Liquid Lysine Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A12 [Point A12 on emissions plan in Schedule 7]	Process Building Exhaust via Cyclones and Wet Scrubber	Total Particulates	20 mg/m <sup>3</sup> over a minimum 1 hour period	Periodic	Annual	BS EN 13284-1
A13 [Point A13 on emissions plan in Schedule 7]	Diesel Jet Wash Exhaust	No parameters set	No limit set	-	-	-
A14 [Point A14 on emissions plan in Schedule 7]	Extruder Plant Grinder via Cyclone	Total Particulates	20 mg/m <sup>3</sup> over a minimum 1 hour period	Periodic	Annual	BS EN 13284-1
A15 [Point A15 on emissions plan in Schedule 7]	Extruder Plant Cooler via Cyclone	Total Particulates	20 mg/m <sup>3</sup> over a minimum 1 hour period	Periodic	Annual	BS EN 13284-1
A16 [Point A16 on emissions plan in Schedule 7]	Extruder Plant Cooler via Cyclone	Total Particulates	20 mg/m <sup>3</sup> over a minimum 1 hour period	Periodic	Annual	BS EN 13284-1

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

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
W1 on site plan in schedule 7 emission to Singret Brook	Roof water and surface water runoff	Clean uncontaminated rainfall only	No limit set	-	-	-
W4 on site plan in schedule 7 emission to Singret Brook	Roof water and surface water runoff via interceptor	Clean uncontaminated rainfall only	No limit set	-	-	-
W5 on site plan in schedule 7 emission to Singret Brook	Surface water runoff from car park	Clean uncontaminated rainfall only	No limit set	-	-	-

**Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements**

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
W2 on site plan in schedule 7 emission to Gresford waste Water Treatment Plant via foul sewer	Scrubber effluent, boiler blowdown and surface water	No parameters set	No limit set	-	-	-
W3 on site plan in schedule 7 emission to Gresford waste Water Treatment Plant via foul sewer	Vehicle washing	No parameters set	No limit set	-	-	-

## Schedule 3(b) – Emissions and monitoring effective from 4 December 2023

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

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on emissions plan in Schedule 7]	Boiler stack	No parameters set	No limit set	-	-	-
A2 [Point A2 on emissions plan in schedule 7]	Boiler Hot Well Tank Vent	No parameters set	No limit set	-	-	-
A3 [Point A3 on emissions plan in schedule 7]	Fats Storage Tank 1 Breather Vent	No parameters set	No limit set	-	-	-
A4 [Point A4 on emissions plan in Schedule 7]	Fats Storage Tank 2 Breather Vent	No parameters set	No limit set	-	-	-
A5 [Point A5 on emissions plan in Schedule 7]	Fats Storage Tank 3 Breather Vent	No parameters set	No limit set	-	-	-
A6 [Point A6 on emissions plan in Schedule 7]	Diesel Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A7 [Point A7 on emissions plan in Schedule 7]	Diesel Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A8 [Point A8 on emissions plan in Schedule 7]	Soya Bulk Storage Tank 1 Breather Vent	No parameters set	No limit set	-	-	-
A9 [Point A9 on emissions plan in Schedule 7]	Soya Bulk Storage Tank 2 Breather Vent	No parameters set	No limit set	-	-	-

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

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A10 [Point A10 on emissions plan in Schedule 7]	Biocide Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A11 [Point A11 on emissions plan in Schedule 7]	Liquid Lysine Bulk Storage Tank Breather Vent	No parameters set	No limit set	-	-	-
A12 [Point A12 on emissions plan in Schedule 7]	Process Building Exhaust via Cyclones and Wet Scrubber	Particulate matter	20 mg/Nm <sup>3</sup> Note 1	Periodic	Annual	BS EN 13284-1
A13 [Point A13 on emissions plan in Schedule 7]	Diesel Jet Wash Exhaust	No parameters set	No limit set	-	-	-
A14 [Point A14 on emissions plan in Schedule 7]	Extruder Plant Grinder via Cyclone	Particulate matter	10 mg/Nm <sup>3</sup> Note 1	Periodic	Annual	BS EN 13284-1
A15 [Point A15 on emissions plan in Schedule 7]	Extruder Plant Cooler via Cyclone	Particulate matter	20 mg/Nm <sup>3</sup> Note 1	Periodic	Annual	BS EN 13284-1
A16 [Point A16 on emissions plan in Schedule 7]	Extruder Plant Cooler via Cyclone	Particulate matter	20 mg/Nm <sup>3</sup> Note 1	Periodic	Annual	BS EN 13284-1

Note 1: Emission limit value expressed as mass of emitted substances per volume of waste gas under the following conditions: dry gas at a temperature of 273.15 K and a pressure of 101.3 kPa without correction for oxygen content.

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

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
W1 on site plan in schedule 7 emission to Singret Brook	Roof water and surface water runoff	Clean uncontaminated rainfall only	No limit set	-	-	-
W4 on site plan in schedule 7 emission to Singret Brook	Roof water and surface water runoff via interceptor	Clean uncontaminated rainfall only	No limit set	-	-	-
W5 on site plan in schedule 7 emission to Singret Brook	Surface water runoff from car park	Clean uncontaminated rainfall only	No limit set	-	-	-

**Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements**

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
W2 on site plan in schedule 7 emission to Gresford waste Water Treatment Plant via foul sewer	Scrubber effluent, boiler blowdown and surface water	No parameters set	No limit set	-	-	-
W3 on site plan in schedule 7 emission to Gresford waste Water Treatment Plant via foul sewer	Vehicle washing	No parameters set	No limit set	-	-	-

## Schedule 4(a) – Reporting effective until 3 December 2023

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 air Parameters as required by condition 3.5.1	A12, A14, A15, A16	Every 12 months	1 January

**Table S4.2: Annual production/treatment**

Parameter	Units
Production of animal feed – Pelleted	tonnes
Production of animal feed – Meal	tonnes
Production of animal feed – Crumb	tonnes
Production of animal feed – Whole wheat loaded with pellets	tonnes
Total product production	tonnes

**Table S4.3 Performance parameters**

Parameter	Frequency of assessment	Units
Water usage	Annually	m <sup>3</sup>
Energy usage	Annually	MWh
Waste disposal and/or recovery	Annually	tonnes

**Table S4.4 Reporting forms**

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	15/08/18
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	15/08/18
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	15/08/18
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	15/08/18

## Schedule 4(b) – Reporting effective from 4 December 2023

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 air Parameters as required by condition 3.5.1	A12, A14, A15, A16	Every 12 months	1 January

**Table S4.2: Annual production/treatment**

Parameter	Units
Production of animal feed – Pelleted	tonnes
Production of animal feed – Meal	tonnes
Production of animal feed – Crumb	tonnes
Production of animal feed – Whole wheat loaded with pellets	tonnes
Total product production	tonnes

**Table S4.3 Performance parameters**

Parameter	Frequency of assessment	Units
Water usage	Annually	m <sup>3</sup>
Energy usage	Annually	MWh
Waste disposal and/or recovery	Annually	tonnes

**Table S4.4 Reporting forms**

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	04/12/23
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	15/08/18
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	15/08/18
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	15/08/18



# 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/AP3337HF
Name of operator	
Location of Facility	
Time and date of the detection	

<b>(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment</b>	
<b>To be notified within 24 hours of detection</b>	
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>(b) Notification requirements for the breach of a permit condition</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
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

<b>(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:</b>	
<b>To be notified within 24 hours of detection</b>	
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.

*“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.

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

*“combined heat and power” or “CHP” or “Cogeneration”* means the simultaneous generation in one process of thermal energy and electrical or mechanical energy

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

*“EP Regulations”* means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 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.

*“first put into operation”* means that the plant must have been fired with its design fuel up to its full load. This can be, but does not have to be, during commissioning.

*“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 in Annex III of the Waste Framework Directive

*“hazardous waste”* has the meaning given in the Hazardous Waste (Wales) Regulations 2005 (as amended)

*“hazardous substance”* means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008

*“impermeable surface”* means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface

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

*“limited operating hours MCP”* means an MCP that meets the requirements of paragraph 8 of Part 2 of Schedule 25A of the EP Regulations

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

*“Medium Combustion Plant” or “MCP”* means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

*“Medium Combustion Plant Directive” or “MCPD”* means Directive 2015/2193/EU of the European Parliament and of the Council of the limitation of emissions of certain pollutants into the air from medium combustion plants.

*“Natural gas”* means naturally occurring methane with no more than 20 % by volume of inert or other constituents

*“operating hours”* means the time, expressed in hours, during which a combustion plant is operating and discharging emissions into the air, excluding start-up and shut-down periods

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

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

*“residue”* means the solid waste generated by the waste treatment activity and is not directly related to the type of waste treated in the plant

*“sealed drainage system”* in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquids will run off the surface otherwise than via the system
- all liquids entering the system are collected in a sealed sump, except where liquids may be lawfully discharged

*“specified generator” or “SG”* means has the meaning given in paragraph 2(1) of Schedule 25B of the EP Regulations

*“Waste code”* means the six digit code referable to a type of waste in accordance with the list of wastes

*“Waste Treatment BAT Conclusions”* means the BAT Conclusions for the Waste Treatment sector published as a Commission Implementing Decision EU 2018/1447 in the Official Journal of the EU on 17 August 2018

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

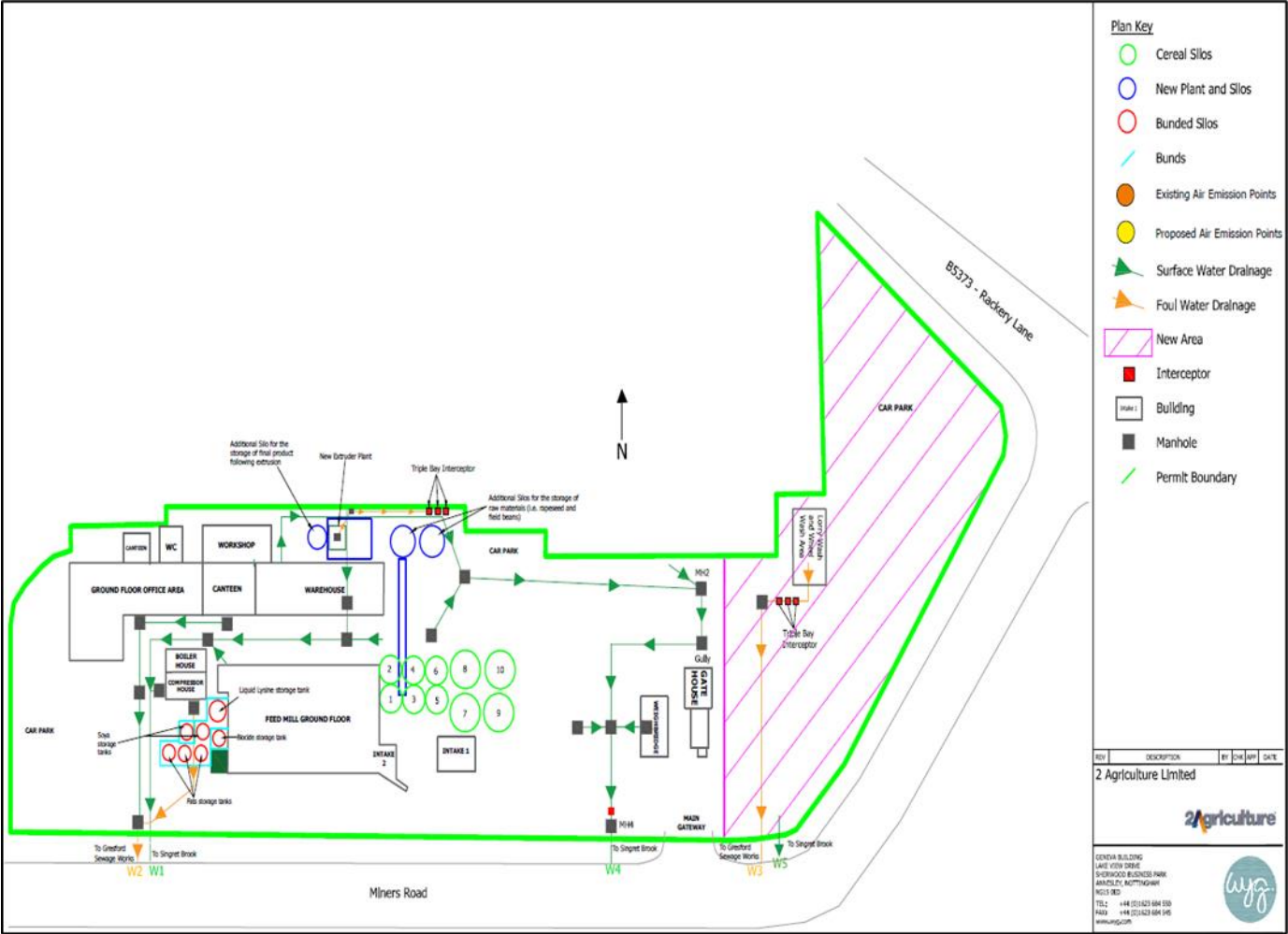
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

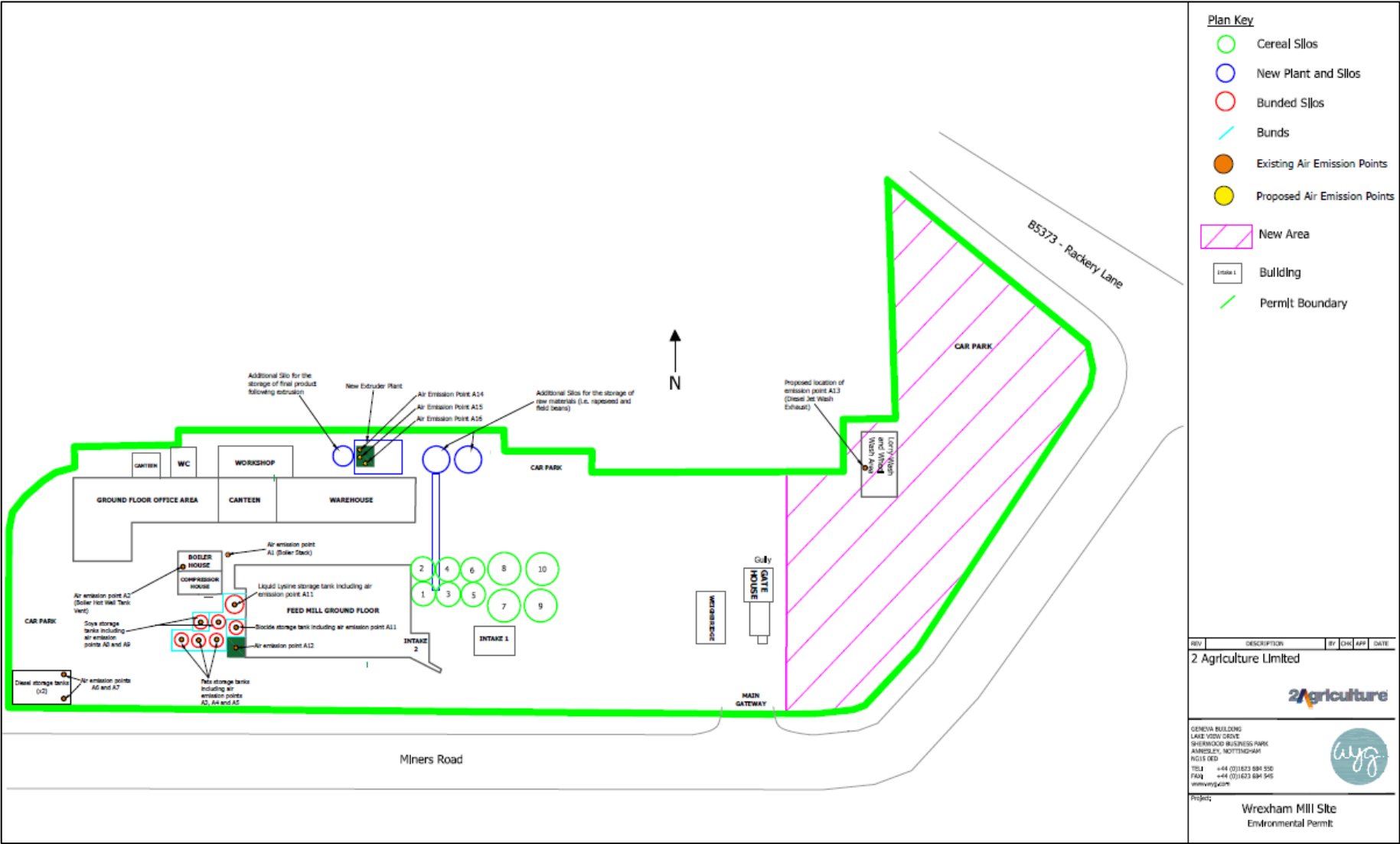
- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273 K, at a pressure of 101.3 kPa and with an oxygen content of:  
3 % for all other processes
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273 K and at a pressure of 101.3 kPa, with no correction for water vapour content

Schedule 7 - Site plan

Site plan



Emissions plan



END OF PERMIT