

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2016**

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GLW Feeds Limited

Shepshed Animal Feed Mill

Lindum Mill

Ashby Road

Shepshed

Loughborough

Leicestershire

LE12 9BS

**Variation application number**

EPR/GP3133TW/V005

**Permit number**

EPR/GP3133TW

# Shepshed Animal Feed Mill

## Permit number EPR/GP3133TW

### Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This consolidated permit has been issued following a full review against the best available techniques (BAT) conclusions for the Food, Drink and Milk Industries published on 4 December 2019 in the official journal of the European Union.

We have implemented the requirements of the Medium Combustion Plant Directive and incorporated post-dated requirements for 2030.

It also incorporates changes made to the permit as part of a variation application made by the operator (V004) at the same time as the sector permit review, the scope of which is to reflect the multi-operator status of the installation (inclusion of the adjacent new DAA – Shepshed Mill CHP Plant), inclusion of two new raw material storage tanks and their associated vent emission points (A47 & A48), together with the re-orientation of the emission point for Cooler 3 (A3) from a horizontal discharge (via a 90 degree bend) to vertical discharge (through a jet cap).

The schedules specify the changes made to the permit.

We consider that in reaching our decision to vary the permit we have taken into account all relevant considerations and legal requirements. We are satisfied that the permit will ensure that a high level of protection is provided for the environment and human health and that the activities will not give rise to any significant pollution of the environment or harm to human health.

The main features of the permit are as follows.

Shepshed Animal Feed Mill manufactures compound animal feed products as nuts, rolls, pellets, crumbs and mashes/meals (approximately 500 products) for farm animals (including cattle, sheep, pigs and poultry).

Bulk raw materials (such as barley, wheat, soya and rapeseed) and smaller quantities of mineral additives are used in the batch manufacturing process. Bulk materials are weighed and ground to a uniform grist size before transfer to the mixing stage where pre-weighed supplements, liquids and medicinal feed additives are used for prophylactic and therapeutic treatment. Selected mixes are conditioned through the addition of steam (including to eliminate bacteria present) before being further processed, including being pressed to produce nuts, pellets or rolls. The hot product is passed through a counter flow air cooler to reduce its temperature causing it to harden prior to storage in silos, before being automatically loaded to bulk vehicles for delivery to customers. The majority of product is coated with a small quantity of vegetable fat to produce the finished product for farm animals.

The production capacity is 1,250 tonnes per day. The installation operates 24 hours per day, for 6+ days per week, 52 weeks a year with individual lines only being stopped to facilitate maintenance and cleaning.

The Environmental Permit is for the main listed activity falling under Section 6.8 Part A(1)(d)(ii) of the Environmental Permitting Regulations: *Treatment and processing of only vegetable raw materials, for the*

*intended production of animal feed, at a plant with a finished product capacity greater than 300 tonnes per day.*

The main emissions to air arise from the four product coolers (A1 to A4) and two grinders (A45 & A46). Relevant release points to air that are abated by a combination of dust separation units, cyclones and bag filters.

Additional emission points also serve the installation; mainly to enable safe operations, such as tank breathing and dust relief vents.

Steam is generated through a 2.5 MWth gas fired boiler. Compressors generate compressed air for process use.

The site also imports heat and power from the adjacent Shepshed Feed Mill CHP Plant, operated by Black Brook CHP Ltd, and so forms part of a multi-operator installation.

The main emissions to water arise from effluent generated on site, including boiler water and from the vehicle cleaning wash. The site also accepts blowdown and spent water softener from the adjacent CHP site. These effluents are discharged to Shepshed Sewage Treatment Works, via the foul sewer, under a Trade Effluent Consent issued by Severn Trent Water.

Uncontaminated site drainage is discharged to Oxley Gutter that leads to Black Brook and the River Soar. There is an interceptor (3-stage weir) protecting the vehicle refuelling point to prevent discharge of small quantities of oils to storm water. There are no soakaways and no releases to groundwater.

This part of the permitted site is centred at NGR SK 48759 18417 and is located in Shepshed, Loughborough. The immediate surrounding area is predominately commercial, with the closest residential receptors located at Nook Farm, approx. 75 metres to the North of the Installation. The M1 motorway lies to the East and the town of Shepshed, where most of the local residential receptors are located, is approx. 200m to the West.

There are a number of designated conservation sites within 2 km of the Installation including 10 Local Wildlife Sites, 2 Local Nature Reserves and 3 Ancient Woodlands. The closest statutory designations are Newhurst Quarry and Ives Head Sites of Special Scientific Interest.

The Operator has an Environmental Management System in place, based on the ISO14001 Standard. The Operator also participates in an Underlying Climate Change Agreement for the Agricultural Supply Sector, Agreement Identifier: AIC/T00058 v2, TU Identifier AIC/T00058, dated 10th May 2018.

The status log of a 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 received FP3934ST	Duly Made 01/04/05	
Additional information received	18/08/05	
Permit determined FP3934ST	21/10/05	Original permit issued to BOCM Pauls Limited.
Variation notice AP3531LG issued	19/09/06	Full transfer of permit to GLW Feeds Limited.
Variation notice AP3531LG not legally correct	--	--
Transfer determined EPR/GP3133TW/T001 (full transfer of permit FP3934ST)	13/04/10	Full transfer of permit complete.
Variation application EPR/GP3133TW/V002	Duly made 29/07/14	Application to vary the permit to replace the coal fired boiler with a gas boiler and divert boiler discharge to foul sewer.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Variation determined EPR/GP3133TW	14/10/14	Varied permit issued.
Application EPR/GP3133TW/V005	Duly made 15/11/19	Variation to upgrade equipment on site such as replacement grinders, new mixer, and noise attenuation.
Variation determined EPR/GP3133TW	15/09/20	Varied permit issued.
Variation application EPR/GP3133TW/V004	Duly made 16/07/21	Application to reflect multi-operator installation status of site and make minor operational changes.
Variation determined	11/01/2022 as part of V005	Changes introduced by V004 have been incorporated and consolidated within the permit issued under V005 to align with sector permit review.
Application EPR/GP3133TW/V005 (variation and consolidation)	Regulation 61 Notice response received 23/07/21	Environment Agency initiated variation and consolidation following the Food, Drink and Milk Industries sector permit review.
Request for further information dated 15/10/2021	Response received 21/10/21	Further information on Regulation 61 Notice response regarding noise management and sewer discharge arrangements.
Variation determined and consolidation issued EPR/GP3133TW (Billing ref: KP3408ML)	11/01/2022	Varied and consolidated permit issued in modern format

<b>Other Part A installation permits relating to this installation</b>		
<b>Operator</b>	<b>Permit number</b>	<b>Date of issue</b>
Black Brook CHP Ltd	EPR/YP3003MQ	29/09/21

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

### Permit number

EPR/GP3133TW

### Issued to

**GLW Feeds Limited** (“the operator”)

whose registered office is

**Lindum Mill  
Ashby Road  
Shepshed  
Loughborough  
Leicestershire  
LE12 9BS**

company registration number **00506275**

to operate a regulated facility at

**Shepshed Animal Feed Mill  
Lindum Mill  
Shepshed  
Loughborough  
Leicestershire  
LE12 9BS**

to the extent set out in the schedules.

The notice shall take effect from 11/01/2022

Name	Date
Philip Lamb	11/01/2022

Authorised on behalf of the Environment Agency

## **Schedule 1**

Only the following conditions have been varied as a result of an application made by the operator (V004):

- Condition 1.5.1 has been added to reflect the multi-operator installation status of the site.
- Condition 2.1.1 has been amended to reflect the multi-operator installation status of the site.
- Condition 4.4.2 has been amended to reflect the multi-operator installation status of the site.
- Table S1.1, as referenced in conditions 2.1.2 and 3.1.4 has been updated to reflect the inclusion of a Directly Associated Activity (AR3) for the import of heat and power from the adjacent installation.
- Table S3.1, as referenced in conditions 3.1.1, 3.5.1 and 3.5.4, has been updated to reflect the addition of two new liquid raw material bulk storage tank breathing vents (A14 & A48).

All other conditions have been varied by the consolidated permit (V005) as a result of an Environment Agency initiated variation.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/GP3133TW**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/GP3133TW/V005 authorising,

**GLW Feeds Limited** (“the operator”),

whose registered office is

**Lindum Mill  
Ashby Road  
Shepshed  
Loughborough  
Leicestershire  
LE12 9BS**

company registration number **00506275**

to operate an installation at

**Shepshed Animal Feed Mill  
Lindum Mill  
Shepshed  
Loughborough  
Leicestershire  
LE12 9BS**

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

Name	Date
Philip Lamb	11/01/2022

Authorised on behalf of the Environment Agency

# 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.



## **1.5 Multiple operator installations**

- 1.5.1 Where the operator notifies the Environment Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operator(s) of the installation of the same information.

## **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 a black hatched line on the site plan at schedule 7 to this permit, which is adjacent to the area edged in a green solid line on the site plan, which represents the site of the other operator of the installation; and together represents the extent of the installation covered by this permit.

### **2.3 Operating techniques**

- 2.3.1 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 the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency 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 the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency 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.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1: AR2; the first monitoring measurements shall be carried out within four months of 01/01/2030, or of the date when the MCP is first put into operation, whichever is later.

#### **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 the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency 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 the Environment Agency.
- 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 the Environment Agency, 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.

#### **3.4 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 the Environment Agency, 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 the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency 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 the Environment Agency.

## **3.5 Monitoring**

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, 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 the Environment Agency.

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 the Environment Agency.

## **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 the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

# **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 the Environment Agency, 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 the Environment Agency.

## 4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) 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 the Environment Agency, 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 the Environment Agency, 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 In the event:

- (a) 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 the Environment Agency,
  - (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) of a breach of any permit condition the operator must immediately —
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

- (c) 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 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.4 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) the Environment Agency 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.

4.3.5 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.3.6 Where the operator has entered into a climate change agreement with the Government, the Environment Agency 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 "without delay", in which case it may be provided by telephone.

# Schedule 1 – Operations

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
AR1	Section 6.8 Part A(1)(d)(ii)	Treatment and processing of only vegetable raw materials, intended for the production of food or feed, at a plant with a finished product production capacity greater than 300 tonnes per day.	From receipt of raw materials through to storage and dispatch of final product.  Total plant production capacity is limited to 1,250 tonnes per day.
<b>Directly Associated Activity</b>			
AR2	On site utilities	Operation of site systems for the supply of utilities and services such as electricity, steam, hot water, and compressed air, including Medium combustion plant: 2.5 MWth gas fired boiler.	Site utility and services systems; combustion units
AR3	Import heat and power	Import of heat and power from Shepshed Feed Mill CHP Plant (3 <sup>rd</sup> party operated)	Utilisation on site of the heat and power supplied.
AR4	Vehicle washing	Provision of vehicle washing facilities	From operation of vehicle wash facilities to discharge of wash waters to sewer
AR5	Storage and use of chemicals	Storage and use of chemicals for on site use.	From receipt of chemicals to disposal of waste arising.
AR6	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Improvement Programme submissions	Response to IP6 titled Site closure Plan	19/12/06
Regulation 61 Notice responses and supporting information	All parts, including revised Odour Management Plan	Received 23/07/21

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IP8	The operator shall submit, for approval by the Environment Agency, a report setting out progress to achieving the Best Available Techniques Associated Emission Levels (BAT-AELs) where BAT is currently not achieved but will be achieved before 4 December 2023 (emission points A2 & A3). The report shall include, but not be limited to, the following:	11/01/2023

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	1) Current performance against the BAT-AELs. 2) Methodology for reaching the BAT-AELs. 3) Associated targets /timelines for reaching compliance by 4 December 2023. 4) Any alterations to the initial plan (in progress reports). The report shall address the BAT Conclusions for Food, Drink and Milk industries with respect to the following: <ul style="list-style-type: none"> <li>• BAT 17 Table 4 (compliance with BAT-AELs for channelled dust emissions to air from grinding in compound feed manufacture)</li> </ul> Refer to BAT Conclusions for a full description of the BAT requirement.	
IP9	The operator shall submit, for approval by the Environment Agency, a report demonstrating compliance against BAT17 Table 4 for channelled dust emissions to air from cooling for emission points A2 & A3.	By 04/12/2023
IP10	The Operator shall submit a written report to the Environment Agency of monitoring carried out to determine the size distribution of particulate matter in the exhaust gas emissions to air from emission points A1, A2, A3, A4, A45 & A46 identifying the fractions within the PM10 and PM2.5 ranges. The monitoring shall be carried out under representative operating conditions and shall be in accordance with EN ISO 23210 unless otherwise agreed with the Environment Agency.	01/06/2024
IP11	The operator shall review and update the H1 risk assessment for particulate emissions to air at the capacity levels stated within table S1.1 of this permit. The H1 shall be submitted to the Environment Agency for review.	11/01/2022

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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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## Schedule 3 – Emissions and monitoring

Emission point ref. & location on site plan in Schedule 7	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Cooler 1 via a cyclone filter/DSU	Particulate matter	20 mg/Nm <sup>3</sup>	Periodic	Annually	EN 13284-1
A2	Cooler 2 via a cyclone filter/DSU	Particulate matter	20 mg/Nm <sup>3</sup> [Note 1]	Periodic	Annually	EN 13284-1
A3	Cooler 3 via a cyclone filter/DSU	Particulate matter	20 mg/Nm <sup>3</sup> [Note 1]	Periodic	Annually	EN 13284-1
A4	Cooler 4 via a cyclone filter/DSU	Particulate matter	20 mg/Nm <sup>3</sup>	Periodic	Annually	EN 13284-1
A8, A9 & A10	Dust units	No parameters set	No limit set	--	--	--
A11 & A12	Intake dust vents	No parameters set	No limit set	--	--	--
A13	Drying cycle vent	No parameters set	No limit set	--	--	--
A14	2.5 MWth gas fired boiler	Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	250 mg/m <sup>3</sup> [Note 2]	Periodic	Every three years [Note 3]	EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years [Note 3]	EN 15058
A15	Central vacuum exhaust	No parameters set	No limit set	--	--	--
A16, A17, A18, A19, A20, A21, A22 & A23	Tank breathing vents	No parameters set	No limit set	--	--	--
A27	Returns bin vent	No parameters set	No limit set	--	--	--
A34	Hot well tank vent	No parameters set	No limit set	--	--	--
A40, A41 & A44	Tank breathing vents	No parameters set	No limit set	--	--	--

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location on site plan in Schedule 7</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>
A45	Grinder 1 via a bag filter	Particulate matter	10 mg/Nm <sup>3</sup>	Periodic	Annually	EN 13284-1
A46	Grinder 2 via a bag filter	Particulate matter	10 mg/Nm <sup>3</sup>	Periodic	Annually	EN 13284-1
A47 & A48	Tank breathing vents	No parameters set	No limit set	--	--	--
<p>Note 1: The limits shall only apply upon completion of IP8 &amp; IP9, and at the latest by 04/12/2023.</p> <p>Note 2: The limits shall only apply from 01/01/2030 (unless the boiler is replaced).</p> <p>Note 3: The monitoring requirements shall only apply from 01/01/2030 (unless the boiler is replaced).</p>						

<b>Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<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 Oxley Gutter, via Severn Trent Storm Sewer	Clean and uncontaminated site drainage via an interceptor	No parameters set	No limit set	--	--	--

<b>Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements</b>						
<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 Shepshed Sewage Treatment Works via Severn Trent Water Foul Sewer	Boiler blowdown & vehicle washings generated on site, and blowdown/water softener from Shedshed Feed Mill CHP.	No parameters set	No limit set	--	--	--

## Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source emissions to air	A1, A2, A3, A4, A45, A46	Every 12 months	1 January
Parameters as required by condition 3.5.1	A14	First monitoring undertaken in accordance with Condition 3.1.4 to be reported within 3 months, and then every 3 years thereafter.	From first monitoring requirements in accordance with Condition 3.1.4

Parameter	Units
Compound feed	Tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	Tonnes
Specific water consumption (yearly average)	Annually	m <sup>3</sup> /tonne
Energy usage	Annually	MWh
Specific energy consumption (yearly average)	Annually	MWh/tonne
Waste disposal and/or recovery	Annually	Tonnes

Parameter	Reporting form	Form version number and date
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

# 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	

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

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the breach of permit conditions not related to limits</b>	
<b>To be notified within 24 hours of detection</b>	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

<b>(d) Notification requirements for the detection of any significant adverse environmental effect</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.	

Name*	
Post	
Signature	
Date	

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

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

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

“authorised officer” means any person authorised by the Environment Agency 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.

“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 limit.

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

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“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. An “existing medium combustion plant” is combustion plant operating before 20 December 2018.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Pests” means Birds, Vermin and Insects.

“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.

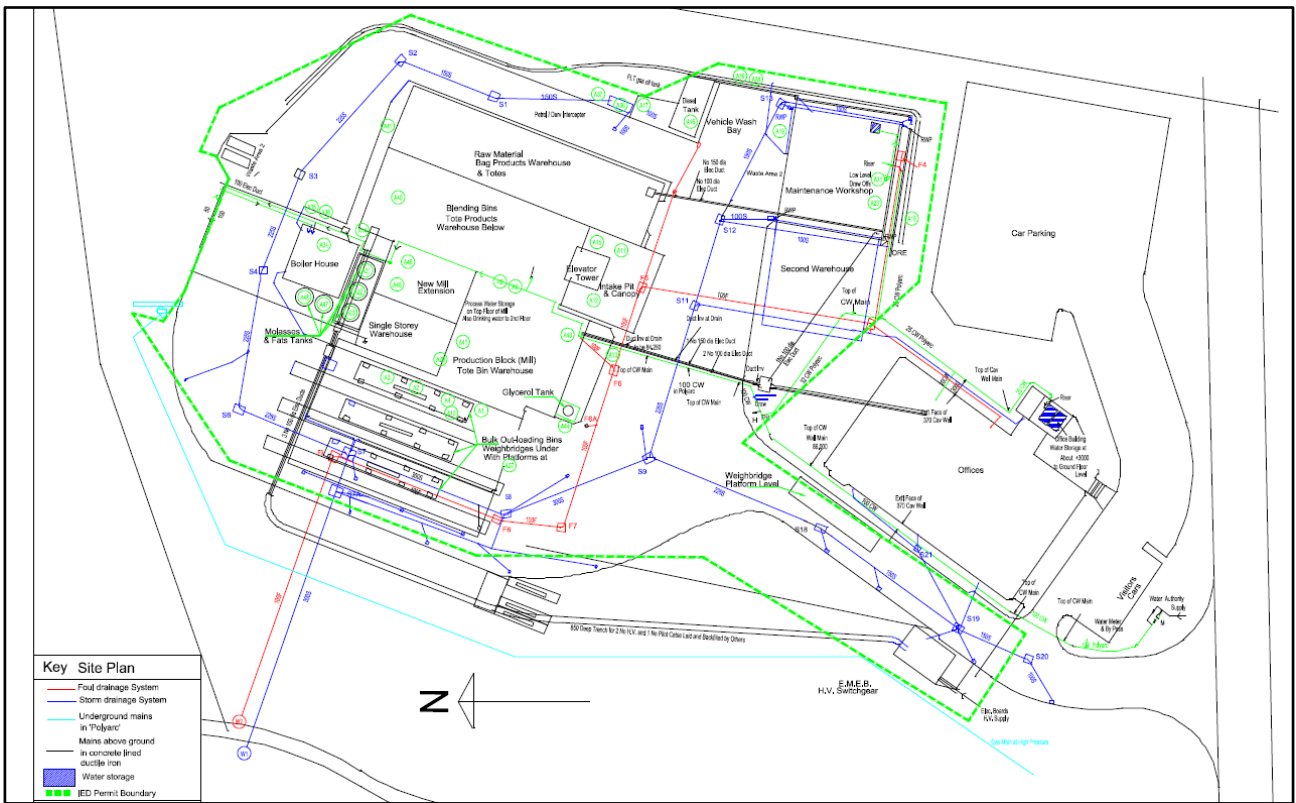
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

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





# Emission point plan



END OF PERMIT

## Emissions to Air Reporting Form

**Permit number:** EPR/GP3133TW

**Operator:** GLW Feeds Limited

**Facility name:** Shepshed Animal Feed Mill

**Emissions to Air Reporting Form: version 1, 08/03/2021**

Reporting of emissions to air for the period from [DD/MM/YY] to [DD/MM/YY]

<b>Emission point</b>	<b>Substance / parameter</b>	<b>Emission Limit Value</b>	<b>Reference period</b>	<b>Test method <sup>1</sup></b>	<b>Result <sup>2</sup></b>	<b>Sample dates and times <sup>3</sup></b>	<b>Uncertainty <sup>4</sup></b>
A1	Particulate matter	20 mg/Nm <sup>3</sup>	Periodic				
A2	Particulate matter	20 mg/Nm <sup>3</sup> [Note 1]	Periodic				
A3	Particulate matter	20 mg/Nm <sup>3</sup> [Note 1]	Periodic				
A4	Particulate matter	20 mg/Nm <sup>3</sup>	Periodic				
A14	Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	250 mg/m <sup>3</sup> [Notes 2&3]	Periodic				
A14	Carbon monoxide	No limit set [Note 3]	Periodic				
A45	Particulate matter	10 mg/Nm <sup>3</sup>	Periodic				
A46	Particulate matter	10 mg/Nm <sup>3</sup>	Periodic				

Note 1: The limits shall only apply upon completion of IP8 & IP9, and at the latest by 04/12/2023.

Note 2: The limits shall only apply from 01/01/2030 (unless the boiler is replaced).

Note 3: The monitoring requirements shall only apply from 01/01/2030 (unless the boiler is replaced).

**Signed:**     *[Name]*

**Date:**       *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- <sup>1</sup> Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- <sup>2</sup> Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- <sup>3</sup> For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- <sup>4</sup> Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

## Water Usage Reporting Form

**Permit number:** EPR/GP3133TW

**Operator:** GLW Feeds Limited

**Facility name:** Shepshed Animal Feed Mill

**Water Usage Reporting Form: version 1, 08/03/2021**

Reporting of water usage for the year [YYYY]

<b>Water source</b>	<b>Water usage (m<sup>3</sup>)</b>	<b>Specific water usage (m<sup>3</sup>/tonne of product) <sup>2</sup></b>
Mains water	<i>[insert annual usage in m<sup>3</sup> where mains water is used]</i>	N/A
Other – <i>[specify other water source where applicable. Add extra rows where needed]</i>	<i>[insert annual usage in m<sup>3</sup> where applicable]</i>	N/A
Total water usage	<i>[insert total annual water usage in m<sup>3</sup>]</i>	<i>[insert total water use per tonne of product produced m<sup>3</sup>/t]</i>

**Operator's comments**

**Signed:** [Name]

**Date:** [DD/MM/YY]

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your annual water usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

## Energy Usage Reporting Form

**Permit number:** EPR/GP3133TW

**Operator:** GLW Feeds Limited

**Facility name:** Shepshed Animal Feed Mill

**Energy Usage Reporting Form: version 1, 08/03/2021**

Reporting of energy usage for the year [YYYY]

Energy source	Energy consumption / production (MWh)	Specific energy consumption (MWh/tonne of product) <sup>2</sup>
Electricity imported as delivered - source [specify source, e.g. supplied from the national grid]	<i>[insert annual consumption in MWh where electricity is imported]</i>	N/A
Electricity imported as primary energy 1 – conversion factor of [specify conversion factor used to convert electricity delivered to primary energy]	<i>[insert annual consumption in MWh where electricity is imported]</i>	N/A
Natural gas	<i>[insert annual consumption in MWh where natural gas is used]</i>	N/A
Gas oil – conversion factor of [specify conversion factor used to convert tonnes to MWh]	<i>[insert annual consumption in MWh where gas oil is used]</i>	N/A
Imported heat	<i>[insert annual consumption in MWh where heat is imported]</i>	N/A
Total	<i>[insert total energy use in MWh]</i>	<i>[insert total energy use per tonne of product MWh/tonne of product]</i>

<b>Operator's comments</b>
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**Signed:** *[Name]*

**Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report your annual energy usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

<sup>1</sup> Multiply delivered electricity by 2.4 to convert to primary energy where the electricity is supplied from the national grid. If the electricity is supplied from another source, specify the conversion factor used. Add additional rows as needed if electricity is imported from multiple sources.

<sup>2</sup> Divide energy consumption by an appropriate unit of raw material processed or product output.



## Other Performance Parameters Reporting Form

**Permit number:** EPR/GP3133TW

**Operator:** GLW Feeds Limited

**Facility name:** Shepshed Animal Feed Mill

**Other Performance Parameters Reporting Form: version 1, 08/03/2021**

Reporting of other performance parameters for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Parameter	Units
Compound feed production	tonnes
Waste sent for reuse/recovery (specify route)	tonnes
Waste sent for disposal (specify route)	tonnes

<b>Operator's comments</b>

**Signed:** *[Name]*

**Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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**Guidance for use:** Use this form to report the performance parameters (other than water and energy) required by your permit. Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. The parameters to report and units to be used can be found in the 'Performance parameters' table in schedule 4 of your permit. Add additional rows as necessary.