

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

ForFarmers UK Limited
Penrith Animal Feed Mill
Penrith Industrial Estate
Mardale Road
Penrith
Cumbria
CA11 9EH

Variation application number

EPR/FP3630CL/V005

Permit number

EPR/FP3630CL

Penrith Animal Feed Mill

Permit number EPR/FP3630CL

Introductory note

This introductory note does not form a part of the notice

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

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

The schedules specify the changes made to the permit.

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.

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.

The installation is located within Penrith Industrial Estate and is centred at National Grid Reference NY 50573 29617, and manufactures compound animal feeds which are suitable for consumption without further processing. The products manufactured are based upon core formulations of cereals (such as wheat and barley), soya, rapeseed and sugar beet, plus specific additives, such as mineral supplements.

The key stages of the processing are weighing, grinding, mixing, conditioning, pressing, cooling and coating. The required feed materials, additives and minerals are weighed prior to grinding to a uniform grist size. The ground material is then transferred to the mixing stage of the process. Following this, the mix is conditioned through addition of steam and molasses. After conditioning, the hot mix is extruded through dies to produce pellets, nuts and rolls. The hot products are passed through a cooler causing them to harden. The majority of the pellets are subsequently coated in fat to complete the finished product.

The finished product is stored in 24 fixed 18 tonne bins and/or 400 1 tonne tote bins prior to being automatically loaded to bulk vehicles for delivery to customers.

The Environmental Permit is for the main listed activity Section 6.8 Part A(1) (d) (ii): 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. Production capacity is 660 tonne per day, with manufacturing carried out 24 hours per day, 7 days per week.

The main emissions to air arise from the production process; primarily particulates from grinding and cooling, and products of combustion from the 1.8 MWth natural gas fired boiler.

The main emissions to water are the discharge of surface water run off to Myers Beck, and the discharge of vehicle wash, boiler blowdown and compressor condensate to sewer via an interceptor for further treatment at Penrith Wastewater Treatment Works.

Myers Beck Local Wildlife Site and River Eden SAC, SPA and SSSI are within 2km of the Installation.

The installation operates under a documented Environmental Management System, which is certified as conforming to ISO 14001, and includes an Energy Management System which is ISO 50001 certificated.

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

Status log of the permit		
Description	Date	Comments
Application EPR/FP3630CL/A001	Duly made 11/01/2012	Application for a feed mill.
Permit determined	09/03/2012	Permit issued to BOCM Pauls Limited.
Notified of change of company name	09/02/2016	Name changed to ForFarmers UK Limited.
Variation issued EPR/FP3630CL/V002	25/02/2016	Varied permit issued to ForFarmers UK Limited.
Application EPR/FP3630CL/V003 (variation and consolidation)	Duly made 08/07/2016	Application to vary and update the permit to modern conditions.
Variation determined EPR/FP3630CL/V003	12/08/2016	Varied and consolidated permit issued in modern condition format.
Notified of change of registered office address	Duly made 28/04/2017	Registered office address changed to Horizon House, Fred Castle Way, Rougham Industrial Estate, Rougham, Bury St. Edmunds, IP30 9ND.
Variation issued EPR/FP3630CL/V004	09/05/2017	Varied permit issued to ForFarmers UK Limited.
Application EPR/FP3630CL/V005 (variation and consolidation)	Regulation 61 Notice response received 21/04/21	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Variation determined and consolidation issued EPR/FP3630CL	09/12/2021	Varied and consolidated permit issued in modern format.

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/FP3630CL

Issued to

ForFarmers UK Limited (“the operator”)

whose registered office is

**Horizon House
Fred Castle Way
Rougham Industrial Estate
Rougham
Bury St. Edmunds
IP30 9ND**

company registration number **00062904**

to operate a regulated facility at

**Penrith Animal Feed Mill
Penrith Industrial Estate
Mardale Road
Penrith
Cumbria
CA11 9EH**

to the extent set out in the schedules.

The notice shall take effect from 09/12/2021

Name	Date
Samantha Haddock	10/12/2021

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit 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/FP3630CL

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3630CL/V005 authorising,

ForFarmers UK Limited (“the operator”),

whose registered office is

**Horizon House
Fred Castle Way
Rougham Industrial Estate
Rougham
Bury St. Edmunds
IP30 9ND**

company registration number **00062904**

to operate an installation at

**Penrith Animal Feed Mill
Penrith Industrial Estate
Mardale Road
Penrith
Cumbria
CA11 9EH**

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

Name	Date
Samantha Haddock	10/12/2021

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.

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 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 after 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 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 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.

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) 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.

4.3.6 The Environment Agency 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, 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 "immediately", 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	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 dispatch of final product. Production capacity is limited to 660 tonnes per day.
Directly Associated Activity			
AR2	Steam supply	Ancillary natural gas fired boiler with a thermal input of 1.8MW.	Burning of natural gas to produce steam for the production process.
AR3	Storage and use of chemicals and oils	Storage and use of chemicals and oils for use at the installation.	From receipt of chemicals and oils and to use on site.
AR4	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.
AR5	Surface water drainage	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to Myers Beck.
AR6	Vehicle cleaning	Provision of vehicle cleaning facilities including rainwater collection.	From collection of rainwater to operation of vehicle cleaning facility and discharge of wash waters to sewer.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/FP3630CL/A001	Sections 3, 4, 5, 7 and 9 of the application document	14/12/11
Variation application EPR/FP3630CL/V003	The following sections of the application supporting information: Odour risk assessment and management. Noise and Vibration risk assessment and management. All of 'EA Variation additional info Jul 16'.	Duly made 08/07/16
Regulation 61 (1) Notice – Responses to questions	All parts and all supporting information. Including Odour Management Plan.	Received 21/04/21

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>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. The report shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> 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). <p>The report shall address the BAT Conclusions for Food, Drink and Milk industries with respect to the following:</p> <ul style="list-style-type: none"> • BAT 17 Table 4 (compliance with BAT-AELs for channelled dust emissions to air from grinding in compound feed manufacture) <p>Refer to BAT Conclusions for a full description of the BAT requirement.</p>	Progress report at 12 months from date of permit issue 09/12/22
IC2	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 grinding for emission points A18 and A19.	4/12/2023
IC3	<p>The Operator shall submit a report, for approval in writing by the Environment Agency, demonstrating the ability to comply with BAT 5 for monitoring of particulates from the grinder emissions points (A18 and A19) in accordance with the MCERTS standard.</p> <p>The report shall include, but not be limited to, the installation of the sampling ports and platforms to enable particulate monitoring in accordance with table S3.1.</p>	4/06/2023
IC4	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, A18 and A19, 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.	31/12/2023 or other date as agreed in writing with the Environment Agency
IC5	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.	09/12/2022 or other date as agreed in writing with the Environment Agency

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

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
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 exhaust ventilation system with cyclone separator	Particulate matter	20 mg/m ³	Average over sampling period	Annually	EN 13284-1
A2	Cooler 2 exhaust ventilation system with cyclone separator	Particulate matter	20 mg/m ³	Average over sampling period	Annually	EN 13284-1
A3	Cooler 3 exhaust ventilation system with cyclone separator	Particulate matter	20 mg/m ³	Average over sampling period	Annually	EN 13284-1
A4, A5, A7 - A13, A15 – A16 and A24	Raw material and fuels tank vents	No parameters set	No limit set	--	--	--
A6	Boiler plant exhaust	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³ [NOTE 1]	Periodic	Every three years [NOTE 2]	EN 14792
		Carbon Monoxide	No limit set [NOTE 1]	Periodic	Every three years [NOTE 2]	EN 15058
A14	Boiler house vent	No parameters set	No limit set	--	--	--
A18	Grinder 2 fan exhaust with bag filter system	Particulate matter	10 mg/m ³ [NOTE 3]	Average over sampling period	Annually [NOTE 4]	EN 13284-1
A29	Grinder 2 explosion vent	No parameters set	No limit set	--	--	--
A19	Grinder 1 fan exhaust with bag filter system	Particulate matter	10 mg/m ³ [NOTE 3]	Average over sampling period	Annually [NOTE 4]	EN 13284-1

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location on site plan in Schedule 7	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A30	Grinder 1 explosion vent	No parameters set	No limit set	--	--	--
A20	Pre-grinder Bin 2 explosion vent	No parameters set	No limit set	--	--	--
A21	Pre-grinder Bin 1 explosion vent	No parameters set	No limit set	--	--	--
A22	Intake elevator E1 explosion vent	No parameters set	No limit set	--	--	--
A23	Intake elevator E2 explosion vent	No parameters set	No limit set	--	--	--
A26	Vacuum system exhaust outlet	No parameters set	No limit set	--	--	--
A27	Returns bin 2	No parameters set	No limit set	--	--	--
<p>Note 1: The limit shall apply from 01/01/2030, unless the boiler is replaced.</p> <p>Note 2: The monitoring requirements shall apply from 01/01/2030 in accordance with condition 3.1.4, unless otherwise advised by the Environment Agency.</p> <p>Note 3: The limits shall only apply upon completion of IC1 & IC2, and at the latest by 04/12/2023.</p> <p>Note 4: The monitoring requirements shall only apply upon completion of IC3, and at the latest by 04/12/2023.</p>						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to Myers Beck	Uncontaminated site run-off comprising rainwater from building and yard surfaces	No parameters set	No limit set	--	--	--

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

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan in schedule 7 emission to Penrith Wastewater Treatment Works, via an interceptor	Vehicle wash, boiler blowdown and compressor condensate	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 Parameters as required by condition 3.5.1	A1, A2, A3, A18, A19.	Every 12 months	1 January
	A6	Every 3 years, with first return submitted within 12 months of monitoring.	From 1 st monitoring in accordance with Condition 3.1.4

Parameter	Units
Compound feed	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Specific water consumption (yearly average)	Annually	m ³ /tonne of products
Energy usage	Annually	MWh
Specific energy consumption (yearly average)	Annually	MWh/tonne of products
Waste	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, 09/12/2021
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 09/12/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 09/12/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 09/12/2021

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	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

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

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

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
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.	

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

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of 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 a Regulation 61 notice 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 or background concentration limit.

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

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

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

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.

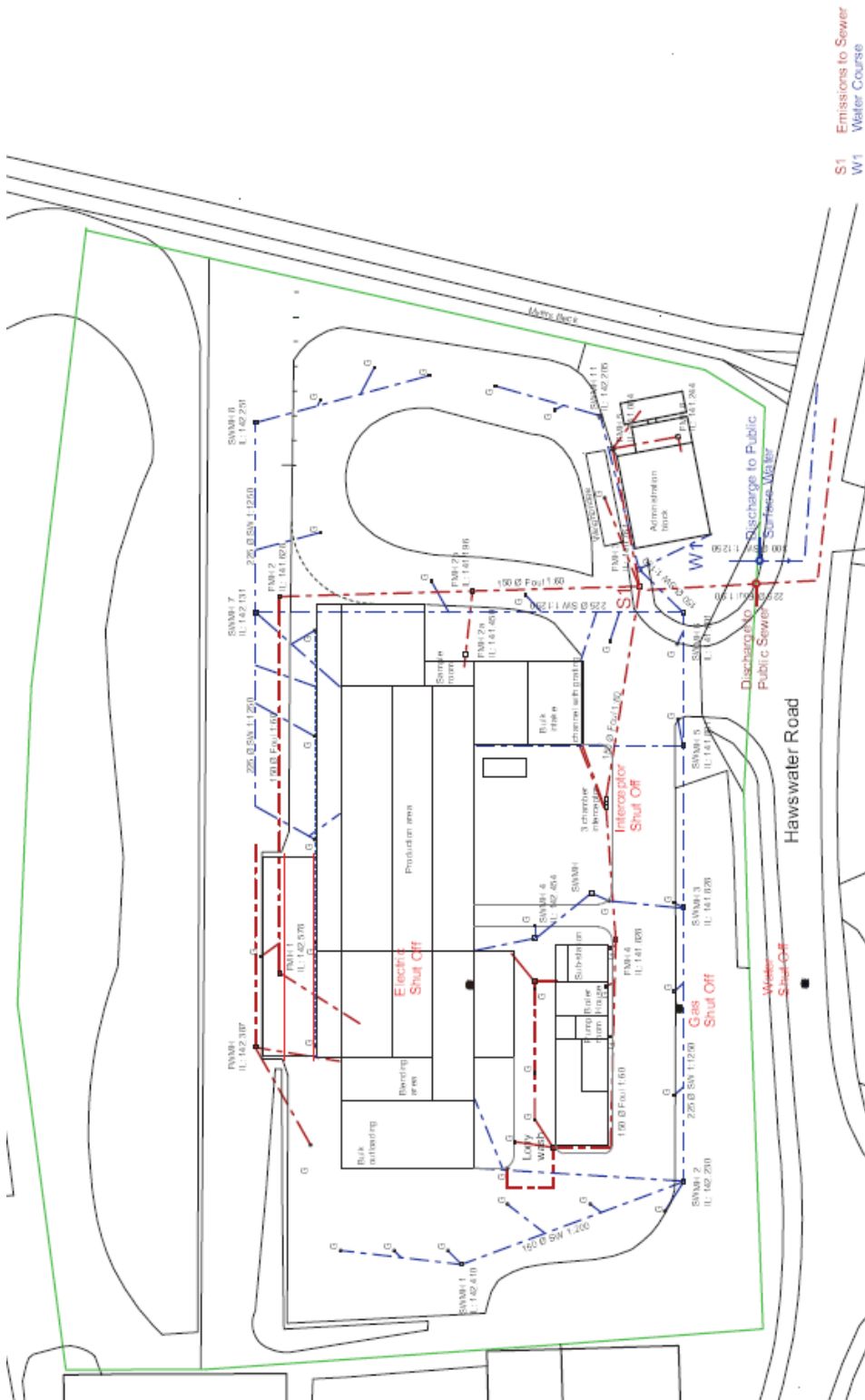
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

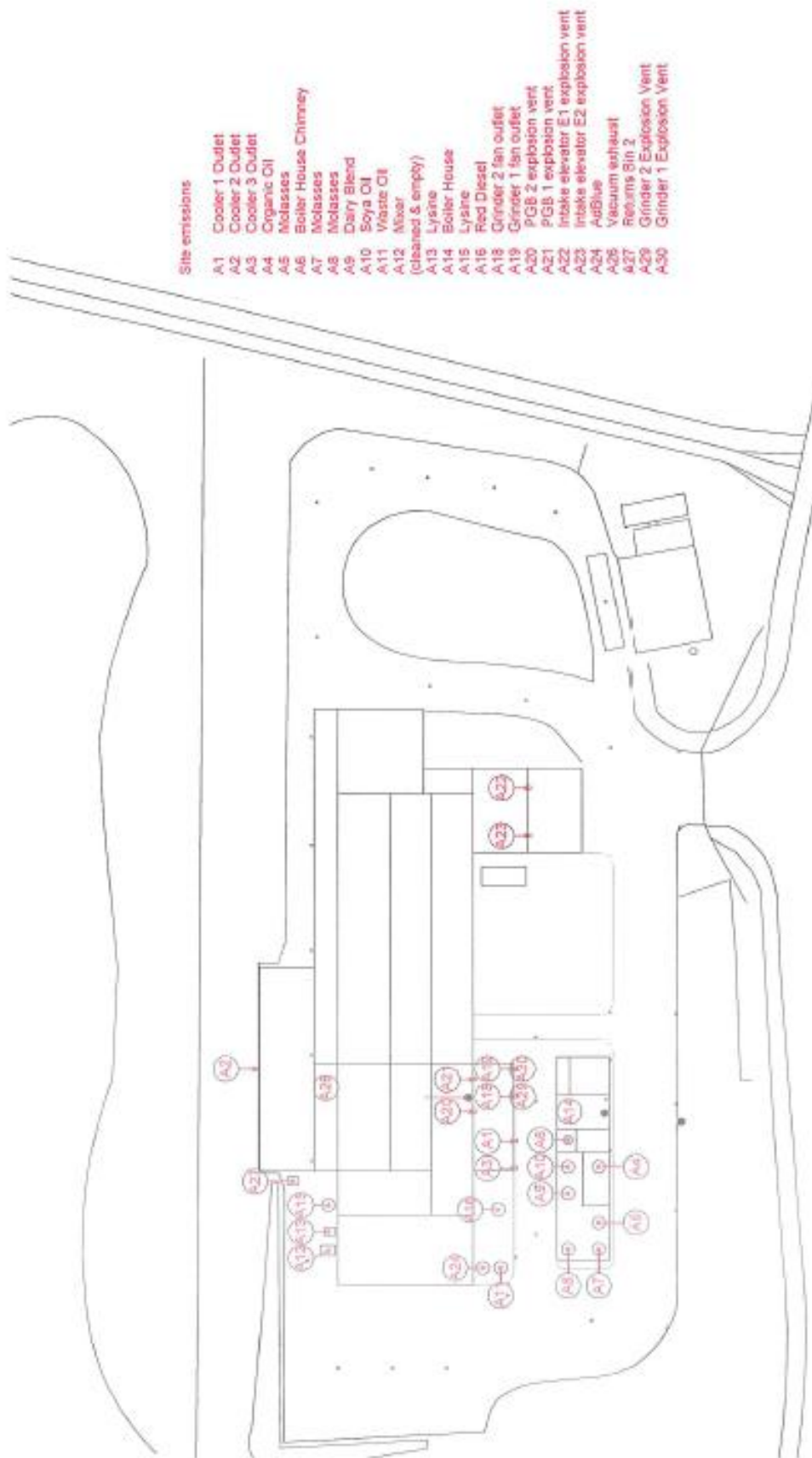
- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous 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

“year” means calendar year ending 31 December.

Schedule 7 – Site plan





Site emissions

- A1 Cooler 1 Outlet
- A2 Cooler 2 Outlet
- A3 Cooler 3 Outlet
- A4 Organic Oil
- A5 Molasses
- A6 Boiler House Chimney
- A7 Molasses
- A8 Molasses
- A9 Dairy Blend
- A10 Soya Oil
- A11 Waste Oil
- A12 Mixer (cleaned & empty)
- A13 Lysine
- A14 Boiler House
- A15 Lysine
- A16 Red Diesel
- A18 Grinder 2 fan outlet
- A19 Grinder 1 fan outlet
- A20 PGB 2 explosion vent
- A21 PGB 1 explosion vent
- A22 Intake elevator E1 explosion vent
- A23 Intake elevator E2 explosion vent
- A24 AirBlue
- A26 Vacuum exhaust
- A27 Returns Bin 2
- A29 Grinder 2 Explosion Vent
- A30 Grinder 1 Explosion Vent

Air emissions plan

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END OF PERMIT

Reporting Forms

Emissions to Air Reporting Form

Permit number: EPR/FP3630CL

Operator: For Farmers UK Limited

Facility name: Penrith Animal Feed Mill

Emissions to Air Reporting Form: version 1, 09/12/2021

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

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method ¹	Result ²	Sample dates and times ³	Uncertainty ⁴
A1	Particulate Matter	20 mg/m ³	Average over sample period	EN 13284-1			
A2	Particulate Matter	20 mg/m ³	Average over sample period	EN 13284-1			
A3	Particulate Matter	20 mg/m ³	Average over sample period	EN 13284-1			
A6	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³ [NOTE 1&2]	Periodic	EN 14792			
	Carbon Monoxide (CO)	No limit set [NOTE 1&2]	Periodic	EN 15058			
A18	Particulate matter	10 mg/m ³ [NOTE 3&4]	Average over sample period	EN 13284-1			
A19	Particulate matter	10 mg/m ³ [NOTE 3&4]	Average over sample period	EN 13284-1			

Note 1: The limit shall apply from 01/01/2030, unless the boiler is replaced.

Note 2: The monitoring requirements shall apply from 01/01/2030 in accordance with condition 3.1.4, unless otherwise advised by the Environment Agency.

Note 3: The limits shall only apply upon completion of IC1 & IC2, and at the latest by 04/12/2023.

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method ¹	Result ²	Sample dates and times ³	Uncertainty ⁴
Note 4: The monitoring requirements shall only apply upon completion of IC3, and at the latest by 04/12/2023.							

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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.

¹ 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.

² 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.

³ 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.

⁴ 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/FP3630CL

Operator: ForFarmers UK Limited

Facility name: Penrith Animal Feed Mill

Water Usage Reporting Form: version 1, 09/12/2021

Reporting of water usage for the year [YYYY]

Water source	Water usage (m³)	Specific water usage (m³/tonne of product)
Mains water	<i>[insert annual usage in m³ where mains water is used]</i>	Not applicable
Other (please specify)	<i>[insert annual usage in m³ where applicable]</i>	Not applicable
Total water usage	<i>[insert total annual water usage in m³]</i>	<i>[Insert total annual water usage in m³/tonne of product]</i>

Operator's comments

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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/FP3630CL

Operator: ForFarmers UK Limited

Facility name: Penrith Animal Feed Mill

Energy Usage Reporting Form: version 1, 09/12/2021

Reporting of energy usage for the year [YYYY]

Energy source	Energy consumption / production (MWh)	Specific energy consumption (MWh/tonne of product)
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>	Not applicable
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>	Not applicable
Natural gas	<i>[insert annual consumption in MWh where natural gas is used]</i>	Not applicable
Other – <i>[specify other energy source and conversion factors where applicable, e.g. renewable fuel. Add extra rows where needed]</i>	<i>[insert annual consumption in MWh where applicable]</i>	Not applicable
Total	<i>[Insert total energy annual consumption in MWh]</i>	<i>[insert total annual energy consumption in MWh / tonne of product]</i>

Operator's comments

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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.

¹ 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.

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

Other Performance Parameters Reporting Form

Permit number: EPR/FP3630CL

Operator: ForFarmers UK Limited

Facility name: Penrith Animal Feed Mill
09/12/2021

Other Performance Parameters Reporting Form: version 1,

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

Parameter	Units
Compound feed production	tonnes
Total waste sent for recovery / recycling (specify route)	tonnes
Total product waste sent for disposal (specify route)	tonnes

Operator's comments

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

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.