

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

AB Agri Limited

Bury St Edmunds Animal Feed Mill
71/72 Eastern Way
Bury St Edmunds
Suffolk
IP32 7AB

Variation application number

EPR/BW9689IP/V004

Permit number

EPR/BW9689IP

Bury St Edmunds Animal Feed Mill

Permit number EPR/BW9689IP

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 4th 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.

The schedules specify the changes made to the permit.

The main features of the permit are as follows.

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 installation manufactures compound animal feeds i.e. feeds which are suitable for consumption by an animal without further processing. The products manufactured are based upon core formulations of cereals (such as wheat and barley), soya, rape seed and sugar beet, plus specific additives, such as mineral supplements. The processing is undertaken to a specific formulation on a batch basis, with the key stages being weighing, grinding, mixing, conditioning, pressing, cooling and coating.

Depending upon the specific formulation, the required cereals are weighed out prior to grinding to a uniform grist size. The ground materials are then transferred to the mixing stage of the process, where they are mixed with pre weighed supplements and medicinal feed additives used for prophylactic and therapeutic treatment. Following this, the mix is conditioned through the addition of steam to eliminate any bacteria present and to improve the workability of the mix.

After conditioning the hot mix is conveyed to press lines, where it is extruded through dies to produce pellets. The hot pellets are then passed through a counter flow air cooler to reduce their temperature, causing them to harden and become durable. The majority of the pellets are subsequently coated in fat to produce the finished product, however some of the pellets are crumbed prior to coating with fats. Pelleted product is used as feed for larger animals, such as poultry and pigs whilst crumbed product is used as chicken feed. The finished product is then stored in silos prior to being automatically loaded to bulk vehicles for delivery to customers on an as required basis.

The finished product production plant capacity is 2,400 tonnes per day.

There is also a standalone non-heat-treated meal line operated at the installation.

The main emissions to air arise from the raw material grinders and product coolers.

Emissions to water comprise an emission point to the River Lark, discharging surface water run-off, together with two emission points to sewer, discharging boiler blowdown, RO run-off, lorry washings and some surface water.

The installation stores a number of raw materials and fuels in bulk, along with dedicated product storage prior to dispatch.

Other associated activities that take place within the installation are the operation of the boiler plant for steam raising, storage of wastes and vehicle washing.

The site participates in a Climate Change Agreement (CCA) and has an accredited environmental management system.

There is human presence within 200m of the installation boundary. The Glen Chalk Caves Site of Special Scientific Interest is within 2km of the Installation. Breckland Special Protection Area is within 10km.

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 received EPR/BW9689IP	Received 31/03/2005	Application for a vegetable-based animal feed production facility
Response to request for information	Request dated 21/07/2005	Response dated 25/07/2005
Request to extend determination period	Request dated 01/09/2005	Response dated 09/09/2005
Permit determined EPR/BW9689IP/A001	04/11/2005	Permit issued to ABNA Limited
Variation EPR/BW9689IP/V002 determined	30/05/2007	Variation (including change of name) issued to AB Agri Limited
Application EPR/BW9689IP/V003	Duly made 08/09/2016	Application to remove decommissioned emission to air points and update the Environmental Permit to be compliant with the IED
Variation determined EPR/BW9689IP	26/10/2016	Varied permit issued to AB Agri Limited
Application EPR/BW9689IP/V004	Regulation 61 response received 23/07/2021	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Variation determined and consolidation issued EPR/BW9689IP (Billing ref. EP3008MZ).	23/03/2022	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/BW9689IP

Issued to

AB Agri Limited ("the operator")

whose registered office is

Weston Centre

10 Grosvenor Street

London

W1K 4QY

company registration number 00193800

to operate a regulated facility at

Bury St Edmunds Animal Feed Mill

71/72 Eastern Way

Bury St Edmunds

Suffolk

IP32 7AB

to the extent set out in the schedules.

The notice shall take effect from 23/03/2022

Name	Date
Anne Lloyd	23/03/2022

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/BW9689IP

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BW9689IP/V004 authorising,

AB Agri Limited ("the operator"),

whose registered office is

**Weston Centre
10 Grosvenor Street
London
W1K 4QY**

company registration number 00193800

to operate an installation at

**Bury St Edmunds Animal Feed Mill
71/72 Eastern Way
Bury St Edmunds
Suffolk
IP32 7AB**

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

Name	Date
Anne Lloyd	23/03/2022

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.

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 and relevant plant referenced in schedule 1, table S1.1: AR3; 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.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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 to dispatch of final product. Production capacity is limited to 2,400 tonnes per day.
Directly Associated Activity			
AR2	Production of vegetable-based animal feed in the form of non-heat-treated meal at a plant which can operate independently to the main listed activity.	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 less than 300 tonnes per day.	From receipt of raw materials to dispatch of final product. Daily average based on a quarterly basis.
AR3	Steam and hot water generation.	Medium Combustion Plant: Operation of two boilers on-site, fired by natural gas, with an aggregated net rated thermal input of 5.7 MWth as follows: 1 x 3.6 MWth 1 x 2.1 MWth	From receipt of fuel to release of products of combustion to air.
AR4	Storage and handling of chemicals, oils and fuels	Storage and handling of chemicals, oils and fuels in designated areas	From receipt of materials to use at permitted site.
AR5	Waste storage and handling	Storage and handling of waste materials in designated areas	From generation of waste to storage pending removal for disposal or recovery.
AR6	Vehicle washing	Washing of vehicles within a designated area of the permitted installation	From operation of vehicle wash facilities to discharge of aqueous waste arising to sewer.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Regulation 61 (1) Notice Responses	All parts	23/07/2021

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The Operator shall carry out a review of the current method of monitoring used to determine effluent flow at release points S1, S2 and S3. The review shall compare the current method against the minimum requirement for self-monitoring of effluent flow set out within Section 5 of the Agency Guidance Note M18: Monitoring of discharges to Water and Sewer, Version 1, July 2004.</p> <p>A report detailing the findings of the review, recommendations to reach the minimum standards and implementation timetable shall be submitted to the Agency for approval</p>	Complete
IC2	<p>The Operator shall undertake an assessment of the suitability of the storage arrangements for IBC's of biocides and enzymes, and the oils in the oil store within the Mill Building. The assessment shall highlight any deficiencies the current storage arrangements have with meeting the following standards:</p> <ul style="list-style-type: none"> • The containers shall be stored within an identified area which is bunded to prevent the uncontrolled release of the stored substance; • Any bund shall be impermeable and resistant to the range of the substance stored within that storage area; • Any bund shall have a capacity greater than 110% of the largest container or 25% of the total storage capacity; and • The containers shall have fill points within the bund where possible or otherwise additional secondary containment for the filling facilities shall be provided. <p>A written report summarising the findings of the assessment and any recommendations of improvements required to enable the bunding to meet the above standards, together with an implementation timetable shall be submitted to the Agency for approval.</p>	Complete
IC3	<p>The Operator shall develop an Odour Management Plan. The Plan shall be developed, making reference to the relevant guidance including the Agency's Horizontal Guidance Note H4 and shall detail the odour control and monitoring measures to be employed at the site.</p> <p>A written report detailing the odour management plan shall be submitted to the Agency for approval.</p>	Requirement removed based on R61 response
IC4	<p>The Operator shall carry out an assessment of the measures in place within the installation to ensure that the discharge point W1 can only receive uncontaminated surface water and cannot be impacted by contaminated firewater, cleaning chemicals and minor spills of polluting substances from the process.</p> <p>A report detailing the findings of the assessment, recommendations for improvements to the surfacing, kerbing and bunding, together with an implementation timetable shall be submitted to the Agency for approval.</p>	Complete

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC5	<p>The Operator shall carry out a CCTV inspection of the integrity of the sub-surface drainage system used to carry polluting substances within the installation. Any damage to the drains identified in the inspection shall be repaired.</p> <p>A written report detailing the findings from inspection (including video evidence if all identified damage) and the repair work carried out shall be submitted to the Agency.</p>	Complete
IC6	<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>	23/03/2023
IC7	The operator shall submit, for approval by the Environment Agency, a report demonstrating compliance against BAT 17 Table 4 for channelled dust emissions to air from grinding for emission points A1 & A2.	By 04/12/2023
IC8	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 A1 & A2 in accordance with the MCERTS standard.	By 04/12/2023
IC9	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 & A5 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.	23/03/2023
IC10	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.	23/03/2023

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. & point on site plan in Schedule 7	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Grinder 2 via fabric filter	Particulate matter	10 mg/m ³ [Note 1]	Average over sampling period	Annually [Note 2]	EN 13284-1
A2	Grinder 3 via fabric filter	Particulate matter	10 mg/m ³ [Note 1]	Average over sampling period	Annually [Note 2]	EN 13284-1
A3	Cooler 1 via fabric filter	Particulate matter	20 mg/m ³	Average over sampling period	Annually	EN 13284-1
A4	Cooler 2 via fabric filter	Particulate matter	20 mg/m ³	Average over sampling period	Annually	EN 13284-1
A5	Cooler 3 via fabric filter	Particulate matter	20 mg/m ³	Average over sampling period	Annually	EN 13284-1
A8 – A14	Bulk storage tank breathing vents	No parameters set	No limit set	--	--	--
A15	Dispensary Local Exhaust Ventilation	No parameters set	No limit set	--	--	--
A16	Pressure washer vent	No parameters set	No limit set	--	--	--
A17	Water heater vent	No parameters set	No limit set	--	--	--
A18	Workshop fume extraction vent	No parameters set	No limit set	--	--	--
A19	3.6 MWth gas-fired boiler (Boiler 1)	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³ [NOTE 3]	Periodic	Every three years [NOTE 4]	EN 14792

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & point on site plan in Schedule 7	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
		Carbon monoxide	No limit set	Periodic	Every three years [NOTE 4]	EN 15058
A20	2.1 MWth gas-fired boiler (Boiler 2)	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³ [NOTE 3]	Periodic	Every three years [NOTE 4]	EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years [NOTE 4]	EN 15058
A21	Gas oil tank breathing vent	No parameters set	No limit set	--	--	--
<p>Note 1: The limit shall apply from completion of IC7, or by 04/12/2023 at the latest.</p> <p>Note 2: The monitoring requirements shall apply from completion of IC8, or by 04/12/2023 at the latest.</p> <p>Note 3: The limit shall apply from 01/01/2030, unless the boiler is replaced.</p> <p>Note 4: The monitoring requirements shall apply from 01/01/2030 in accordance with condition 3.1.4, unless otherwise advised by the Environment Agency.</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 – Discharge to River Lark	Clean and uncontaminated surface water run-off via oil/water separator	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
W2 – Discharge to Anglian Water foul sewer	Boiler blowdown, RO run-off and surface water drainage via 3-stage interceptor	No parameters set	No limit set	--	--	--
W3 – Discharge to Anglian Water foul sewer	Lorry wash and surface water run-off via silt trap	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.

Table S4.1 Reporting of monitoring data			
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, A4, A5	Every 12 months	1 January
	A19, A20	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

Table S4.2: Annual production/treatment	
Parameter	Units
Compound feed	Tonnes
Non-heat-treated meal	Tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Specific waste water discharge (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

Table S4.4 Reporting forms		
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	

(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 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.

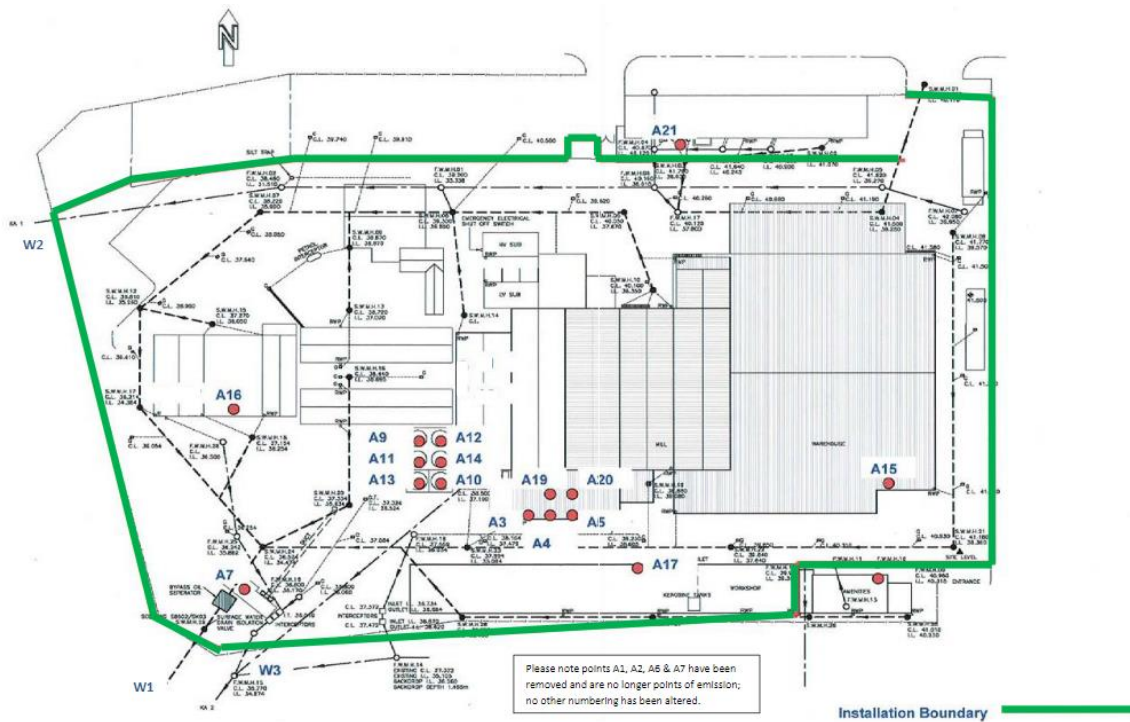
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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, 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

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT