

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Pets Choice Limited
Pets Choice
Lower Philips Road
Whitebirk Industrial Estate
Blackburn
BB11 5UD

Permit number

EPR/LP3508BR

Pets Choice

Permit number EPR/LP3508BR

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The installation is located in an industrial and commercial area of Blackburn, Lancashire. The installation is a new operation for the production of cooked pet food products. This permit will authorise the treatment and processing of animal and vegetable raw materials other than milk only intended for the production of food or feed, both in combined and separate products, with a finished product production capacity greater than 75 tonnes per day (covered in Section 6.8 Part A(1)(d)(iii)(aa), in Part 2 to Schedule 1 of the Environmental Permitting Regulations 2016).

The installation manufactures three types of pet food products based primarily upon meat and animal products from abattoirs. Only Category 3 animal by-products (ABP) materials are permitted in the production of saleable pet food products. The site will also use other vegetable based ingredients such as barley, soya and vegetables in the production of the pet food. The main pet foods produced are; retort wet food pouches, chub sausages and dry baked treats and biscuits. The main processes involve reception, refrigerated storage, mincing and mixing of raw materials, baking, cooking with steam in enclosed vessels, cooling and packaging.

Cooking is undertaken via by dry baking, pressurised steam vessel heat treatment and sealed chub cooking vessels. Baking is carried out in three rack ovens and two band ovens (one band oven with three emission points and one band oven with four emission points). The thermal input of these ovens in aggregation is 1.55 MWth. Steam cooking is supplied by one gas boiler with a thermal input of 5 MWth. Once cooled and dried, pet food products are packaged awaiting despatch from site. Retort pouches are hermetically sealed prior to being sterilised in an autoclave and left to cool. Chub rolls similarly are packaged directly from the cooking vessels and sealed and will cool within their packaging.

Primary emissions from the installation are to air in the form of boiler combustion exhaust gases and odour from baking and extractions process. Odour abatement is in the form of carbon adsorption via a series of air handling units (AHU) which adsorb odorous compounds from exhaust gases prior to discharge to atmosphere. There are three AHUs, AHU3 extracts air from the mixing and mincing areas and AHU 1 & 2 extract from the chub and retort areas. Other air extraction systems and localised carbon filter systems are installed at the effluent treatment plant holding tanks and packing areas of the plant. Emissions from the ovens will be dispersed via dedicated stacks above the roof-line of the building.

The Environment Agency has imposed improvement conditions to allow the operator to run the installation using existing carbon abatement while the proposed improved carbon media and extraction fan improvements are being installed. These will be subject to validation on the effectiveness of the odour abatement systems. An additional improvement condition requires the operator to monitor and speciate odorous compounds.

Uncontaminated surface water from roofs and site runoff are discharged to an unnamed stream via a balance tank and interceptor. All effluent generated will drain to an effluent treatment plant. This process water is treated through a balance tank with aeration, pH correction and dissolved air flotation with sludge removal. Treated effluent will then pass to foul sewer and eventually to a United Utilities sewage treatment works. This is subject to a Trade Effluent Consent.

All plant and process areas are served by an impermeable surface with sealed drainage system and is located within a building. All tanks containing liquids whose emissions to land and water could cause pollution are stored in bunded storage containers. The bunds are sized to contain at least 110% of the contents of the largest tank or 25% of the total amount of tanks within the bunds.

There are no European protected habitat sites or SSSIs within the relevant screening distances. However, there is one Local Wildlife Site (Parsonage Reservoir) located 1,770m to the north of the installation.

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

Status log of the permit		
Description	Date	Comments
Application EPR/LP3508BR/A001	Duly made 13/01/2020	Application for a pet food manufacturing installation.
Additional information received	25/02/2020	Schedule 5 notice response containing BAT assessment and air quality assessment with dispersion modelling.
Additional information received	06/04/2020	Schedule 5 notice response containing an addendum to the odour management plan and review of site infrastructure (including a tank inventory, bunding and storage capacities).
Additional information received	09/04/2020	Confirmation of stack reference conditions.
Permit determined EPR/LP3508BR (PAS Billing ref. LP3508BR).	20/05/2020	Permit issued to Pets Choice Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/LP3508BR

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Pets Choice Limited (“the operator”),

whose registered office is

**Brentwood House
Lower Philips Road
Whitebirk Industrial Estate
Blackburn
Lancashire
BB1 5UD**

company registration number 02181268

to operate an installation at

**Pets Choice
Lower Philips Road
Whitebirk Industrial Estate
Blackburn
BB1 5UD**

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

Name	Date
Maxine Evans	20 May 2020

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 Climate change

- 1.5.1 The operator shall review and if appropriate update, at least every 4 years, the [climate change adaptation risk assessment] submitted with the permit application, and shall update the written management system as appropriate.

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 red 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
- 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.

3.2 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;
 - (b) process monitoring specified in table S3.4;
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 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.

3.6 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.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where 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.

In any other case:

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

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) 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.

4.4 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	S6.8 Part A(1) (d) (iii) Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed (where the weight of the finished product excludes packaging) – animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than (aa) 75 if A is equal to 10 or more (where 'A' is the portion of animal material in percent of weight of the finished product production capacity).	Production of cooked pet food.	From receipt of raw materials to despatch of finished product. Production of up to 98 tonnes of cooked food per day.
Directly Associated Activity			
AR2	Treatment and discharge of effluent.	Operation of the effluent treatment plant (ETP) for the control of releases to sewer.	Collection and treatment of process effluent prior to discharge to sewer.
AR3	Combustion plant.	Operation of boilers to generate steam.	Combustion of natural gas in 1 boiler with a thermal input of 5 MWth.
AR4	Ovens.	Operation of rack and band ovens.	Combustion of natural gas in 2 band ovens (250 kWth each) and 3 rack ovens (350 kWth each). A combined thermal input of 1.55 MWth.
AR5	Waste and by-product storage.	Storage of waste and by-products from the production of cooked pet food.	From receipt of waste and by-products to despatch off-site.
AR6	Odour abatement systems	Air handling extraction units with carbon filters.	Treatment of odorous air from via individual carbon filters at emission points A15, A23 – A29, A30 – A31, A32 & A33.

Description	Parts	Date Received
Application	Application form Part B3 Section 3a – Technical Standards. Application supporting documents including: <ul style="list-style-type: none"> • General operating techniques, <i>Part A Environmental Permit Application: Supporting Report</i>. Ref. 2534-S1-r1. 	Duly Made 13/01/2020
Response to Schedule 5 Notice dated 28/01/2020	Schedule 5 notice response including the following operating techniques: <ul style="list-style-type: none"> • BAT assessment against 2019 BAT conclusions, <i>Part A Environmental Permit Application: Best Available Techniques Assessment</i>. Ref. 2534-S8-r2. 	20/02/2020
Response to Schedule 5 Notice dated 23/03/2020	Schedule 5 notice response including the following operating techniques: <ul style="list-style-type: none"> • Odour Management plan, <i>Part A Environmental Permit Application: Odour Management Plan</i>. Ref. 2534-S6-r3 dated 06/04/2020. • Tank inventory, <i>Part A Environmental Permit Application: Tank and Containment Inventory</i>. Ref 2534-S9-r1 	06/04/2020

Reference	Requirement	Date
IC1	The operator shall submit to the Environment Agency in writing for written approval, a commissioning plan for the installation of the odour abatement systems described within Section 3.0 'Extraction and Abatement System Design Modifications' in operating techniques document, <i>Part A Environmental Permit Application: Odour Management Plan</i> . Ref. 2534-S6-r3 dated 06/04/2020. The commissioning plan shall include: <ul style="list-style-type: none"> • Timeframe for the installation of the works to be completed. • Details of monitoring equipment to be installed. • Details and installation of specified new activated carbon media • Details of centrifugal fans • Testing to demonstrate that negative pressure continues to be achieved when external doors are opened. 	Within 2 months of permit issue or as otherwise agreed with the Environment Agency.
IC2	The operator shall submit to the Environment Agency for written approval a report detailing the baseline monitoring results of the commissioned odour abatement system. The baseline data collection shall follow the steps outlined within the Table 23 – Section 'Within 6-weeks of commissioning' of operating techniques document, <i>Part A Environmental Permit Application: Odour Management Plan</i> . Ref. 2534-S6-r3 dated 06/04/2020. The results shall include full performance test results of the systems including the following: <ul style="list-style-type: none"> • Measurements of volumetric air flow rates in order to confirm that design extraction rates are being achieved and to provide a baseline assessment of fan performance. • Measurement of system pressures to provide an overall indication of plant condition. • Extractive odour sampling and analysis to evaluate the performance of the abatement systems and to identify any 	Within 2 months of commissioning the new odour abatement system or as otherwise agreed with the Environment Agency.

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>remedial work required to optimise reduction efficiencies. The testing shall be undertaken in accordance with BS EN 13725:2003 and shall include collection and analysis of samples from the inlet and outlet airstreams of each system during normal operating periods.</p> <ul style="list-style-type: none"> • Extractive sampling of inlet air to each carbon filter during normal operating periods, followed by full chemical speciation using Gas Chromatography-Mass Spectrometry (GC-MS). The results shall be used to calculate life cycles for the carbon installed within the filters and to produce an indicative replacement schedule for the media. <p>The report shall also include a demonstration of how the speciated results shall be used to determine whether any changes to the type of media installed within the systems and associated chemical impregnation are required to optimise performance.</p>	
IC3	<p>The operator shall undertake 6 months of MCERTs standard monitoring of the carbon abatement system emissions and submit a report to the Environment Agency for written agreement demonstrating that:</p> <ul style="list-style-type: none"> • The abatement systems are treating emissions to the standards outlined in the manufacturer's recommendations and baseline results from IC2. <p>If the emissions released from the abatement systems do not achieve the manufacturer's recommendations, the operator shall submit proposals to the Environment Agency along with timescales of implementation to improve the efficacy of the abatement system or provide alternative abatement proposals.</p> <p>The operator shall implement the proposals within the timescale agreed with the Environment Agency.</p>	On completion of IC2 or as otherwise agreed with the Environment Agency.
IC4	<p>The operator shall submit an Energy Efficiency Plan to the Environment Agency for review and approval. The plan shall be completed in line with BAT 6 of <i>BAT conclusions for the food, drink and milk industries</i>.</p>	Within 6 months of permit issue or as otherwise agreed 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 ¹	Source	Parameter ²	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Steam raising boiler	NO _x	--	---	--	--
		CO	--			--
A2	Band oven 1 – burner 1	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A3	Band oven 1 – burner 2	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A4	Band oven 1 – burner 3	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A5	Band oven 1 – burner 4	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A6	Band oven 2 – burner 1	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A7	Band oven 2 – burner 2	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A8	Band oven 2 – burner 3	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A9 & A12	Rack oven 1	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A10 & A13	Rack oven 2	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A11 & A14	Rack oven 3	NO _x	--	--	--	--
		CO	--			--
		VOC	--			--
A15	Air Handling Unit 3 extraction via carbon filter – Meat	VOC	--	--	--	--

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter²	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
	mixing and grinding area					
A16	Raw side wash room ventilation extraction	VOC	--	--	--	--
A17	Dry side wash room ventilation extraction	VOC	--	--	--	--
A18 – A22	Dolav wash room ventilation extraction points	VOC	--	--	--	--
A23 – A29	Packing area extraction points via carbon filters at each ground level extraction unit	VOC	--	--	--	--
A30 – A31	Extraction of displaced air from effluent treatment plant holding tanks. Each extracted via carbon filters	VOC	--	--	--	--
A32	Air Handling Unit 1 extraction via carbon filter – chub and retort vessel area	VOC	--	--	--	--
A33	Air Handling Unit 2 extraction via carbon filter – chub and retort process area	VOC	--	--	--	--
<p>¹ Point source emissions to air are shown on drawing <i>Figure 5– Atmospheric Emission Points. Ref No. 2534.</i> Contained within operating technique document <i>Part A Environmental Permit Application: Supporting Report. Ref. 2534-S1-r1.</i></p> <p>² NO_x = Oxides of nitrogen (expressed as NO₂) in mg/m³ CO = Carbon monoxide in mg/m³ VOC = Volatile organic compounds in mg/m³</p>						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
SW1 emission to an unnamed drainage ditch to the east of the site boundary	Site uncontaminated surface water	No parameters set	--	--	--	--

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
¹ Point source emissions to surface water shown on drawing <i>Proposed Industrial Development Pets Choice & Hippo Expansion Blackburn. Proposed Drainage Layout. Ref No. 16204-C-53</i>						

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 discharge United Utilities Sewage Treatment Works via foul sewer	Site effluent treatment plant	No parameters set	--	--	--	--
¹ Point source emissions to surface water shown on drawing <i>Proposed Industrial Development Pets Choice & Hippo Expansion Blackburn. Proposed Drainage Layout. Ref No. 16204-C-53</i>						

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Carbon adsorption systems	Key process parameters to include temperature, pressure differential, air flow and relative humidity	Continuous	None specified	Odour abatement system shall be regularly checked and maintained to ensure appropriate temperature and moisture content. Carbon filters to be replaced when saturated in accordance with manufacturer's recommendations.
Storage tanks and containers	Integrity checks	Weekly	Visual assessment	None specified
Secondary containment	Integrity checks	Monthly	Visual assessment	None specified

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
Emissions to air Parameters as required by condition 3.5.1.	--	--	--

Table S4.2: Annual production/treatment	
Parameter	Units
Cooked pet food produced (finished products)	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Boiler usage	Annually	hours
Waste disposed and recovered	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	20/05/2020
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	20/05/2020
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	20/05/2020

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 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

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

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

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

“Pests” means Birds, Vermin and Insects.

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

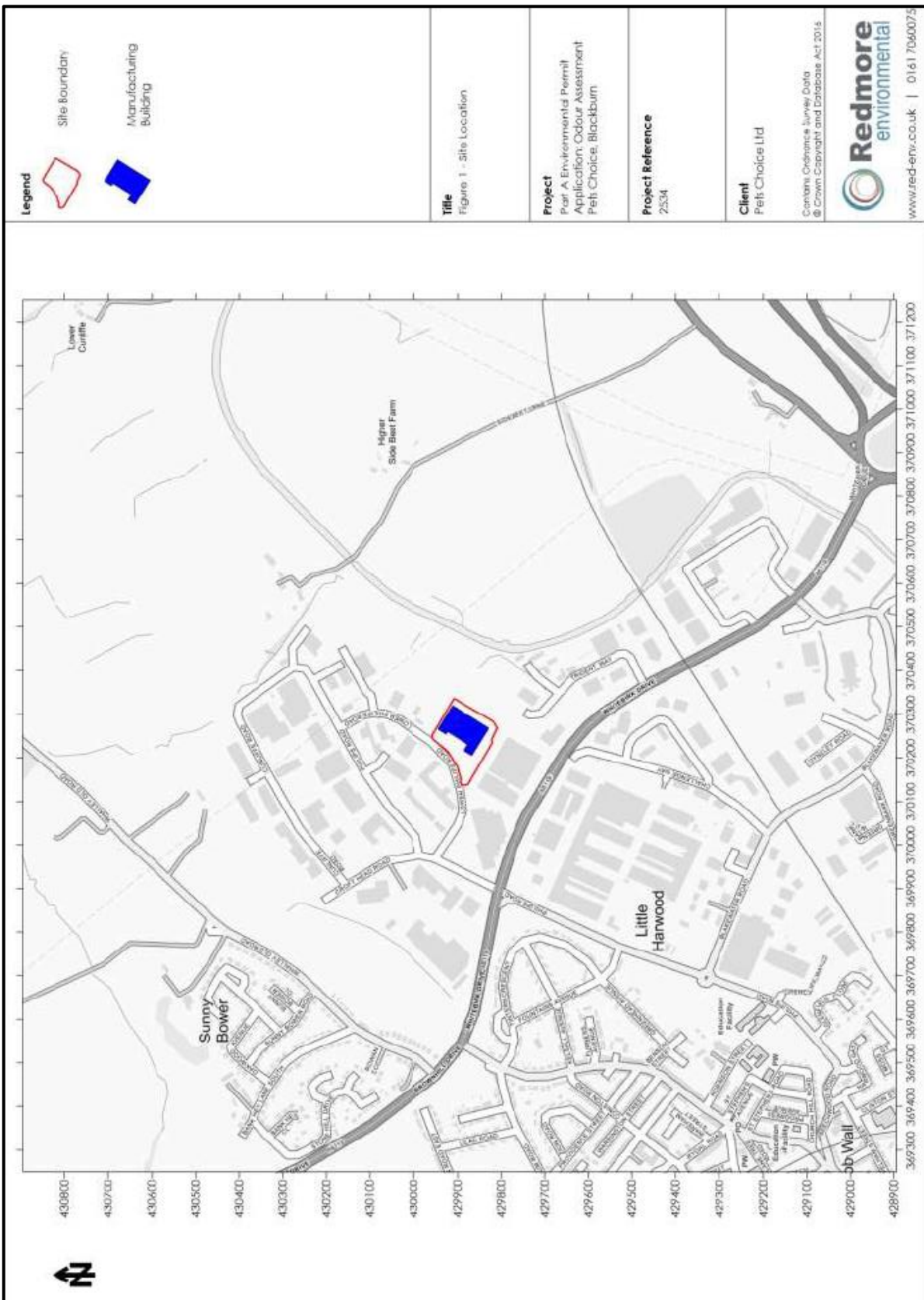
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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, 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

Permit number
EPR/LP3508BR