Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Omega Proteins Limited

Penrith Rendering Facility
Wildriggs
Greystoke Road
Penrith
Cumbria
CA11 0BX

Permit number

EPR/HP3238AF

Penrith Rendering Facility
Permit number EPR/HP3238AF

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Penrith Rendering Facility is an installation in Penrith, Cumbria, operated by Omega Proteins Limited. The installation is a Category 3 animal by-products processing plant which processes poultry and mixed species by-products (including offal, skin, carcass and off-cuts), poultry and mixed species blood, and poultry feathers to produce animal feed (meal) and oils (tallow) via the following lines:

- Poultry offal rendering line comprising cooker, press and milling system.
- Mixed species offal rendering line comprising cooker, press and milling system.
- Feather processing line comprising hydrolyser, condenser, dryer and milling system.
- Poultry blood processing line comprising application of heat, coagulator, dryer, and milling system.
- Mixed species blood processing line comprising application of heat and coagulator.

The main processes are delivery, receipt and storage of raw materials; product processing (cooking, drying and milling) and final product storage. Ancillary processes include the operation of the boiler; biofilters; thermal oxidisers; chemical and oil storage and washing and cleaning.

The main emissions to air arise from three biofilters, two recuperative thermal oxidisers (used for steam raising and odour abatement) and a stack for the steam raising boiler.

Condensate, wash water, water from bunds and biofilter and yard water run-off are treated by an on-site effluent treatment plant prior to discharge to sewer for further treatment at Penrith Wastewater Treatment Works. Clean and uncontaminated roof water is collected separately for reuse or discharge into Myers Beck.

As part of this permit application, the operator is proposing the following changes on site:

- Installation of a new trailer shed to provide an enclosed area for trailers awaiting tipping, with associated vehicle wash building.
- An additional effluent treatment plant providing further treatment of waste waters by an activated sludge process and reverse osmosis.

The River Eamont, a tributary of the River Eden, is approx. 1.4km to the south of the site and is designated as a Special Area of Conservation (SAC) and a Site of Special Scientific Interest (SSSI).

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/HP3238AF/A001	Duly made 27/10/16	Application for an environmental permit.
Additional information received	26/06/17	Partial response to Schedule 5 notice dated 02/02/17
Additional information received	02/08/17	Schedule 5 notice dated 02/02/17 satisfied - Air dispersion modelling report and files received.
Additional information received	26/10/17	Revised air dispersion modelling report received.
Additional information received	13/12/17	Revised site drainage plan and trailer wash location plan and elevations.
Consultation on draft permit	19/12/17	Public consultation ended 02/02/2018.
Bespoke permit issued	07/03/18	Permit issued to Omega Proteins Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/HP3238AF

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

Omega Proteins Limited ("the operator"),

whose registered office is

Swales Moor Farm
Swales Moor Road
Halifax
West Yorkshire
HX3 6UF

company registration number **03868711**

to operate an installation at

Penrith Rendering Facility
Wildriggs
Greystoke Road
Penrith
Cumbria
CA11 0BX

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

Name	Date
Principal Permitting Team Leader	**07/03/2018**

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.

2.5 Pre-operational conditions

2.5.1 The activities AR1 and AR2 shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.

2.5.2 The operations specified in schedule 1 table S1.4B shall not commence until the measures specified in that table have been completed.

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.

3.3.2 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 Pests

3.5.1 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.

3.5.2 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.

3.6 Monitoring

3.6.1 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.

3.6.2 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.

3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.6.4 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.

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 The operator shall submit to the Environment Agency an annual report of the efficiency of the biofilters. This shall include but not be limited to, the assessment of the efficiency to reduce odours, the summary of maintenance and any re-commissioning planned or conducted, assessment of back pressure, venting and cracking. Thereafter the operator shall submit the report within one month of the end of each year, unless otherwise agreed in writing by the Environment Agency.

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

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

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

(a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

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

4.3.6 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

(a) a decision by the Secretary of State not to re-certify the agreement;

(b) a decision by either the operator or the Secretary of State to terminate the agreement; and

(c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made “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)(c) *Disposing of or recycling animal carcasses or animal waste, other than by rendering or by incineration falling within Section 5.1, at a plant with a treatment capacity exceeding 10 tonnes per day of animal carcasses or animal waste or both in aggregate.*	Heat treatment of mixed species blood.	From receipt of raw material to storage and dispatch of finished product.
AR2		Heat treatment and drying of poultry blood.	
AR3		Hydrolysis of poultry feathers.	
AR4	Section 6.8 Part A(2)(a) *Disposing of or recycling animal carcasses or animal waste by rendering at plant with a treatment capacity exceeding 10 tonnes per day of animal carcasses or animal waste or both in aggregate.*	Recycling of animal by-products comprising poultry offal by rendering.	From receipt of raw material to storage and dispatch of finished product.
AR5		Recycling of animal by-products comprising mixed species offal by rendering.	
AR6	Section 5.4 Part A(1)(b)(i) *Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment.*	Treatment of waste water arising from the processes on site by dissolved air floatation, activated sludge process and reverse osmosis.	From production of effluent to re-use on site or discharge to sewer.
	Directly Associated Activity		
AR7	Directly Associated Activity	The use of the following dual fuel (natural gas or tallow) fired plant for raising steam used in the process and providing odour abatement: 8MW thermal input Boiler. 9.3MW thermal input Recuperative Thermal Oxidiser OX1. 11MW thermal input Recuperative Thermal Oxidiser OX2.	Operation of combustion plant for steam raising and odour abatement from receipt of fuel to emission of waste gases to air
AR8	Directly Associated Activity	The use of three biofilters BF1, BF2 and BF3 and associated equipment for the treatment of odorous air.	Operation of biofilters and associated equipment for odour abatement from receipt of odorous fume to release of treated waste gases to air.
AR9	Directly Associated Activity	The use of a trailer shed for the temporary storage of raw material trailers.	The temporary storage of raw material trailers onsite in a building for a period of up to 24 hours from ingress of raw material trailers to egress off site.

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
AR10	Directly Associated Activity	The use of a vehicle wash building to clean out raw material trailers following tipping.	The washing of trailers in a building from ingress of raw material trailers to egress off site.
AR11	Directly Associated Activity	The handling and storage of chemicals and oils.	The handling and storage of chemicals and oils in designated areas from receipt of chemicals and oils to use within the installation.
AR12	Directly Associated Activity	The handling and storage of waste products produced on site.	The handling and storage of waste in designated areas from generation of waste to removal off-site.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	Answers to Section 3 on EP application form Part B3 including references to: Technical Guidance Note EPR 6.10 Sector Guidance Note IPPC SG8 Slaughterhouses and Animal By-products BREF. Additional guidance on Odour Management H4. The following sections of the application supporting information: Installation Information, Report Reference P137-R01A-F3, dated October 2016. Trailer Shed Information, Report Reference P137-R01C-F3, dated 17 October 2016. Effluent Treatment Information, Report Reference P137-R01B-F3, dated 17 October 2016. H1 Assessment, Report Reference P137-R02-F3, dated 17 October 2016. Updated Duly Making Responses, Report Reference P137-R09-F3, dated 19 October 2016.	Duly Made 27/10/16
Response to Schedule 5 Notice dated 02/02/17	Report Reference P137-R10-F2, dated June 2017.	26/06/17

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
Management and control of fugitive odour		
IC1	The operator shall submit a report detailing a comprehensive review of the integrity of process buildings, sheds and associated infrastructure, plant and equipment undertaken by a suitably qualified engineer. The report shall specifically detail all risk areas and points of weakness (such as but not limited to the abatement systems, air extraction system, sample points, ducting, pipework, pipe penetrations, doorways and building joints) and identify that suitable engineering standards are achieved, demonstrated by an appropriate validation method such as smoke testing. Where the operator has been unable to demonstrate integrity, the operator shall identify where improvements can be made to minimise the potential for fugitive emissions and provide a schedule of works for proposed improvements with timescales for completion.	07/12/2018
Management and control of odour sources and abatement equipment		
IC2	The operator shall submit a report detailing a comprehensive review to identify and characterise all sources of odour and the options available to effectively treat odour at the installation. The operator shall have regard for areas where there is the potential for improvements to the identified and characterised odour sources and the chosen abatement technique.	07/06/2018
IC3	The operator shall submit a report detailing a comprehensive review of ventilation and air extraction systems on site, undertaken by a suitably qualified engineer. The report shall include details of how balancing and airflow management are achieved, monitored and verified (including replacement air) and determine if the measures are fit for purpose. The report shall evaluate potential improvements which can be made to the source extraction and positioning of ducting, local exhaust ventilation and replacement air vents.	09/07/2018
IC4	Having regard for the outcome of the reviews undertaken for IC2 & IC3, the operator shall provide justification for the abatement systems used to treat each odour source and demonstrate how they are fit for purpose and represent BAT. Where this is not the case, the operator shall provide a schedule of works for proposed improvements with timescales for completion.	07/09/2018
IC5	The operator shall submit a report detailing a comprehensive review of the monitoring of extracted air, including in-house analysis and process control, to review trends and identify and explain any variation in load, with regard to ensuing the operation of abatement systems is fully optimised. Where potential improvements are identified, the report shall include a schedule of works for proposed improvements with timescales for completion.	07/06/2018
IC6	The operator shall put in place permanent appropriate infrastructure and instrumentation to enable continuous monitoring and process control of the biofilters and associated equipment to ensure their operation is fully optimised. In satisfying this requirement, the operator shall have regard for the Process Monitoring requirements in Table S3.4 of the permit and shall also include installed inspection windows on the humidifiers (maintained to enable a clear visible view into chamber at all times), regular monitoring arrangements for humidifiers and biofilters, and details of how monitoring results are linked to process control, including the recharge/purging procedures for the humidifiers.	16/04/2018

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC7	Having regard for the improved monitoring and process control arrangements achieved by completion of IC6, the operator shall put in place a procedure, incorporated into the Environment Management System, to ensure meaningful process control of the biofilters is undertaken at the installation, including but not limited to trigger levels, corrective actions and contingency arrangements.	07/06/2018
IC8	The operator shall undertake a review of the efficiency of each biofilter, having regard for the variability in load upon each biofilter bed and the impact of this upon performance, in particular the Empty Bed Residence Time (EBRT). The operator shall use the results of the review to evaluate options for the pre-treatment of the waste gas streams as a reasonably practicable solution to reduce the overall load on the biofilters and subsequently improve performance.	07/03/2019
IC9	The operator shall install additional odour abatement measures (carbon filters) on tanks which are identified as having a high odour potential (especially sludge tanks and feather water tanks) to further mitigate against the risk of odorous emissions from the installation. The operator shall confirm completion of the works in writing to the Environment Agency and update the site OMP and EMS accordingly.	07/09/2018
IC10	The operator shall install a Cleaning in Place (CiP) system on tanks identified as having a high odour potential (especially blood, sludge and feather water tanks) to further mitigate against the risk of odorous emissions from the installation. The operator shall confirm completion of the works in writing to the Environment Agency and update the site tank inventory accordingly.	07/09/2018
Management and control of housekeeping standards		
IC11	The operator shall undertake a documented (including before and after photographs) deep clean of tipping sheds, production areas, yard areas and tank bunds. The deep clean shall establish a baseline condition for future housekeeping standards as part of the overall management and control of fugitive emissions from the installation.	16/04/2018
Review and update Odour Management Plan		
IC12	The operator shall further develop the existing odour management plan (OMP) for approval in writing by the Environment Agency. The revised plan shall have regard for the requirements/outcomes of IC1 to IC11 and also ensure the following are robustly addressed: - Location and distance to sensitive receptors. - Details of any changes made to procedures, infrastructure, plant and equipment on site and an assessment of the impact of these changes on odour. - Impact of metrological conditions on sensitive receptors. - History of odour pollution locally, review of complaints and lessons learnt. - Materials management. - Monitoring of odour and associated action levels. - BAT measures for containment and abatement of odorous emissions. - Impact of emergencies and incidents on odorous emissions.	07/06/2019

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	The operator shall implement the approved OMP from the date of approval by the Environment Agency. As part of the approved OMP, the operator shall undertake a regular review of the plan (in particular following any complaints, identified operational issues and/or any changes on site) and formally update the plan annually.	
Management and control of primary containment measures		
IC13	The operator shall provide a report detailing a comprehensive review of all storage tanks on site, undertaken by a suitably qualified engineer to an established engineering standard. The report shall include but not be limited to confirmation of age, condition, anticipated future operational life, filling and empting arrangements, venting, overfill protection (such as level control and alarms), together with details of containment measures. The report shall determine if the tanks and containment measures are fit for purpose, having regard for the relevant guidance or, where this is not the case, provide a schedule of works for proposed improvements or tank decommission with timescales for completion.	07/09/2018
IC14	The operator shall remove the redundant tallow storage tank (Tank Reference 7), and any other redundant tanks (such as Feather Condensate Tank Reference 4) which are a source of potential odour emissions. The operator shall confirm in writing to the Environment Agency when the works are completed and update the site tank inventory accordingly.	07/06/2018
Management and control of secondary containment measures		
IC15	The operator shall provide a report detailing a comprehensive review of the structural integrity of all bunds on site, undertaken by a suitably qualified engineer to an established engineering standard. The report shall determine if bunds are fit for purpose and appropriately sized; having regard for the relevant guidance (CIRIA Report C376). Where improvements to bunding and containment are identified in order to meet the required standard, the operator shall provide a schedule of works with timescales for completion.	07/03/2019
Management and control of drains and drainage systems		
IC16	The operator shall undertake a CCTV survey of sub-surface drainage systems within the installation boundary (including the culverted watercourse) and provide a structural report to establish the integrity of the systems and demonstrate that the risk of fugitive emissions from the installation are minimised. Where the requirement for improvements is identified, the report shall include a schedule of works for the proposed improvements with timescales for completion.	07/06/2018
IC17	The operator shall remove the “emergency” valves and isolate any pipework to ensure the cessation of emergency discharges to Myers Beck. The operator shall confirm completion of the works in writing to the Environment Agency and update the site drainage plan accordingly.	16/04/2018
IC18	The operator shall produce a site drainage plan which provides a clear diagrammatic record of the routing of all inspection drains, subsurface pipework/culverts/drains, sumps, screens and interceptors within the boundary of the installation. A copy of the plan shall be provided to the Environment Agency for our records and a copy shall be included and referred to in the relevant written procedures for the site including the Environment Management System and Accident Management Plan.	07/06/2018

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC19	Having regard for the outcomes of IC16 to IC18, the operator shall undertake a review of the risk to the environment from the site drainage systems and devise an inspection and maintenance programme, as part of the Environment Management System, to minimise the risk. The review shall have regard for the nature and volume of waste waters, local groundwater vulnerability and the proximity of drainage systems to surface water and be confirmed in writing to the Environment Agency.	07/08/2018
IC20	Following completion of IC11, the operator shall ensure that all operational areas are equipped with an impervious surface, spill containment kerbs, sealed construction joins and are connected to sealed drainage. Where significant defects are identified these shall be repaired and a programme detailing the ongoing maintenance and repair of minor defects shall be provided to the Environment Agency. Relevant site plans and written procedures shall be updated accordingly upon completion and confirmed in writing to the Environment Agency.	07/12/2018
Management and control of the effluent treatment system		
IC21	The operator shall submit a report detailing the outcome of the commissioning of the effluent treatment system, including a review of the monitoring data and performance parameters against the design parameters set out in the permit application, to demonstrate that the environmental performance of the plant is consistently achieving the desired treatment and demonstrates BAT, having regard for the composition, age and health of the biomass within the effluent treatment plant.	07/03/2019
IC22	Where not addressed by completion of IC15, the operator shall confirm in writing to the Environment Agency the secondary containment measures in place for the effluent treatment system and demonstrate how they are fit for purpose in preventing the accidental loss of containment from the system.	07/09/2018
IC23	The operator shall submit a summary report to demonstrate that the EMS has been updated accordingly to reflect the operational procedures (including contingency arrangements), monitoring arrangements and implementation of staff training requirements for the operation of the new effluent treatment plant.	Within 3 months of completion of ETP commissioning
IC24	The operator shall submit a report detailing a review of the management, handling and contingency arrangements for the effluent treatment plant sludge. Where management of the sludge is dependent on subsequent land spreading operations, the operator shall ensure that a system is introduced to ensure timely management of the necessary exemptions and land spreading deployments and where this is carried out by contractors or 3rd parties a system of due diligence audits and checks are conducted.	07/06/2018

Table S1.3 Improvement programme requirements		
Reference	**Reference**	**Reference**
Review and update site condition report		
IC25	The operator shall review and update the existing SCR/SPMP for the installation to ensure all on site risks and associated control measures are robustly identified and addressed, including but not limited to: - The requirements of the IED, as described in permit condition 3.1.3. - The construction of the abstraction borehole drilled on site in October 2015. - The construction of the trailer shed. - The construction of the trailer wash. - The construction of the effluent treatment plant.	07/03/2019
Management and control of noise		
IC26	The operator shall submit a comprehensive noise assessment undertaken by an experienced and suitably qualified person (i.e. a noise consultant with an appropriate qualification accredited by the Institute of Acoustics), in accordance with the procedures given in BS4142:2014 (Rating industrial noise affecting mixed residential and industrial areas) and BS7445:2003 (Description and measurement of environmental noise). Any noise sources identified as exhibiting tonal contributions shall also be quantified by means of frequency analysis. The report shall further quantify and confirm the cumulative effect of plant and equipment working concurrently (including new plant/equipment such as the Effluent Treatment Plant and Vehicle Shed). The overall conclusion should demonstrate no significant noise pollution from the site as a whole. On completion of the assessment a copy of the survey shall be submitted to the Environment Agency in the form of a report with an interpretation of the results and conclusions drawn. Where specific recommendations are made in the report to pursue improved noise attenuation measures and associated management/inspection/monitoring/maintenance regimes; a suitable timescale for implementation and periodic review should be included. Such improved attenuation measures and regimes shall be demonstrated to be compliant with the requirements of BAT for this type of installation and will require the written agreement of the Environment Agency, prior to adoption.	07/12/2018
Management and control of water usage		
IC27	The operator shall undertake a comprehensive water efficiency audit at the installation and use the results to devise a programme of quantitative improvements to demonstrate BAT. The operator shall provide a summary of this audit together with a schedule of works for proposed improvements, with timescales for completion, in writing to the Environment Agency.	09/09/2019
Management and control of energy usage		
IC28	The operator shall confirm in writing to the Environment Agency what measures have been implemented on site since the permit application has been made to improve the energy efficiency at the installation.	16/04/2018
IC29	The operator shall carry out a comprehensive energy efficiency audit at the installation and use the results to devise a programme of quantitative improvements to demonstrate BAT. The operator shall provide a summary of this audit together with a schedule of works for proposed improvements, with timescales for completion, in writing to the Environment Agency.	09/03/2020

Table S1.3 Improvement programme requirements		
Reference	**Reference**	**Reference**
Management and control of planned preventative maintenance		
IC30	The operator shall implement a robust planned preventative maintenance programme for key plant, infrastructure and equipment as part of the written EMS, ensuring there are adequate provisions for reporting, tracking and completing outstanding actions. A summary of the programme shall be submitted in writing to the Environment Agency.	08/05/2018
Emissions and monitoring		
IC31	The operator shall undertake a review of the emissions and monitoring as listed in Table S3.1 of the permit to demonstrate that the sampling and monitoring regime on site is in accordance with the Environment Agency Technical Guidance Notes M1 (version 8 August 2017) and M2 (version 12 August 2017). The operator shall ensure that all sample points on site are appropriately marked and recorded, both in situ and upon a plan which forms part of the Environment Management System. A summary report of the review and the plan shall be submitted in writing to the Environment Agency.	07/06/2018
IC32	The operator shall undertake a review of the emissions and monitoring as listed in Tables S3.2 and S3.3 of the permit to demonstrate that the sampling and monitoring regime on site is in accordance with the Environment Agency Technical Guidance Note M18 (version 6 September 2017). The operator shall ensure that all emission and sample points on site are appropriately marked and recorded, both in situ and upon a plan which forms part of the Environment Management System. A summary report of the review and the plan shall be submitted in writing to the Environment Agency.	07/09/2018

Table S1.4A Pre-operational measures for activities AR1 and AR2	
Reference	**Pre-operational measures**
PO1	Prior to the operation of activities AR1 and AR2, the operator shall install additional odour abatement measures (carbon filters) to blood tanks on site to further mitigate against the risk of odorous emissions from the installation. The operator shall confirm completion of the works in writing to the Environment Agency and update the relevant written procedures accordingly.

Table S1.4B Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
FD1	Trailer shed	The operator shall submit a written report to establish the health of the biofiters and to demonstrate that the additional load of the extracted air from the proposed trailer shed can be accommodated, having regard for the requirements/outcomes of IC2 to IC8.
FD2		The operator shall submit written details of the door operating procedures for the trailer shed including but not limited to the operation of interlocks, system controls and alarms to prevent the emission of fugitive odour.
FD3	Trailer wash	The operator shall submit details of the drainage arrangements for the trailer wash for approval by the Environment Agency, including but not limited to details of effluent traps/gully pots/interceptors, containment and contingency arrangements, having regard for the requirements/outcomes of IC16 to IC20.
FD4		The operator shall submit a written report to demonstrate that water efficiency has been considered in the design of the trailer wash system and demonstrate how ongoing monitoring of water usage will be undertaken and audited, having regard for the requirements/outcomes of IC27.
FD5		The operator shall provide written details of the door operating procedures for the trailer wash, including but not limited to the use of interlocks, system controls and alarms to prevent the emission of fugitive odour.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Tallow oil fuel (meeting the Environment Agency End of Waste Test (EOW))	<0.015 Chlorine content
Sodium Hydroxide	<0.03ppm Mercury content

Table S2.2 Permitted waste types and quantities	
Maximum quantity	None permitted
Waste code	**Description**
--	--

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A1 [Point A1 on site plan in Schedule 7]	Biofilter 1 (BF1)	Odour concentration (inlet and outlet)	No limit set (ouE)	Instantaneous	Annual	BS EN 13725
		Odour compounds	No limit set (mg/m^3)	Instantaneous	Annual	BS EN 13649
		Ammonia	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
		Hydrogen sulphide	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
A2 [Point A2 on site plan in schedule 7]	Biofilter 2 (BF2)	Odour concentration (inlet and outlet)	No limit set (ouE)	Instantaneous	Annual	BS EN 13725
		Odour compounds	No limit set (mg/m^3)	Instantaneous	Annual	BS EN 13649
		Ammonia	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
		Hydrogen Sulphide	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
A3 [Point A3 on site plan in schedule 7]	Biofilter 3 (BF3)	Odour concentration (inlet and outlet)	No limit set (ouE)	Instantaneous	Annual	BS EN 13725
		Odour compounds	No limit set (mg/m^3)	Instantaneous	Annual	BS EN 13649
		Ammonia	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
		Hydrogen Sulphide	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A4 [Point A4 on site plan in schedule 7]	Boiler stack	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	300 mg/m^3	--	Annual	BS EN 14792
		Sulphur Dioxide	175 mg/m^3 (Liquid fuel fired)	--	Annual	In accordance with TGN M2
			10 mg/m^3 (Natural gas fired)			
		Carbon Monoxide	150 mg/m^3 (Liquid fuels fired)	--	Annual	BS EN 15058
			50 mg/m^3 (Natural gas fired)			
		Ammonia	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
		Particulate Matter	50 mg/m^3 [Note 1]	--	Annual	BS EN 13284-1
		Visible smoke	No dark smoke	Instantaneous	Daily	Visual inspection
A5 [Point A5 on site plan in schedule 7]	'Penrith' Thermal Oxidiser stack (OX1)	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	300 mg/m^3	--	Annual	BS EN 14792
		Sulphur Dioxide	175 mg/m^3 (Liquid fuel fired)	--	Annual	In accordance with TGN M2
			10 mg/m^3 (Natural gas fired)			

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A5 [Point A5 on site plan in schedule 7]	'Penrith' Thermal Oxidiser stack (OX1)	Carbon Monoxide	150 mg/m^3 (Liquid fuel fired) 50 mg/m^3 (Natural gas fired)	--	Annual	BS EN 15058
		Ammonia	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
		Particulate Matter	50 mg/m^3 [Note 1]	--	Annual	BS EN 13284-1
		Visible smoke	No dark smoke	Instantaneous	Daily	Visual inspection
A6 [Point A6 on site plan in schedule 7]	'Bradford' Thermal Oxidiser Stack (OX2)	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	300 mg/m^3	--	Annual	BS EN 14792
		Sulphur Dioxide	175 mg/m^3 (Liquid fuel fired) 10 mg/m^3 (Natural gas fired)	--	Annual	In accordance with TGN M2
		Carbon Monoxide	150 mg/m^3 (Liquid fuel fired) 50 mg/m^3 (Natural gas fired)	--	Annual	BS EN 15058
		Ammonia	No limit set (mg/m^3)	--	Annual	In accordance with TGN M2
		Particulate Matter	50 mg/m^3 [Note 1]	--	Annual	BS EN 13284-1
		Visible smoke	No dark smoke	Instantaneous	Daily	Visual inspection
Note 1: The operator is aware of the future compliance requirements of the Medium Combustion Plant Directive						

Table S3.2 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**
EP1 on site plan in Schedule 7 emission to United Utilities Penrith Sewage Treatment Works	On-site effluent treatment system	Total daily discharge volume	No Limit Set	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		pH	6 – 10	Instantaneous	Continuous	pH probe

Table S3.3 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**
SW1 on site plan in schedule 7 emission to Myers Beck	Clean and uncontaminated roof water from process buildings as shown on "Site Drainage Plan" received 12 December 2017.	Visual appearance	No adverse visible effect on Myers Beck	Instantaneous	Daily	Recorded and documented visual inspection
		Chemical oxygen demand (COD)	No limit set	Spot sample	Weekly	In-house monitoring periodically validated by a recognised testing standard.
		Total nitrogen (as N)	No limit set	Spot sample	Weekly	
SW2 on site plan in Schedule 7 emission to Myers Beck	Clean and uncontaminated roof water from process buildings as shown on "Site Drainage Plan" received 12 December 2017.	Visual appearance	No adverse visible effect on Myers Beck	Instantaneous	Daily	Recorded and documented visual inspection
		Chemical oxygen demand (COD)	No limit set	Spot sample	Weekly	In-house monitoring periodically validated by a recognised testing standard.
		Total nitrogen (as N)	No limit set	Spot sample	Weekly	
SW3 on site plan in Schedule 7 emission to Myers Beck	Clean and uncontaminated roof water from trailer shed as shown on "Site Drainage Plan" received 12 December 2017.	Visual appearance	No adverse visible effect on Myers Beck	Instantaneous	Daily	Recorded and documented visual inspection
		Chemical oxygen demand (COD)	No limit set	Spot sample	Weekly	In-house monitoring periodically validated by a recognised testing standard.
		Total nitrogen (as N)	No limit set	Spot sample	Weekly	

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method** [Note 2]	**Other specifications** [Note 3]
Gas inlets of Biofilters 1, 2 and 3	Flow rate	Periodically calculated	--	--
	Ammonia concentration	Continuous	--	Rolling programme established for each biofilter [Note 4]
	Hydrogen sulphide concentration			
Biobed of Biofilters 1, 2 and 3	Temperature	Continuous	--	Measured within Plenum Chamber
	Media pH	Monthly	--	Core sample to established methodology [Note 4]
	Moisture content	Monthly	--	--
	Back pressure	Continuous	--	--
	Residence time	Periodically calculated	--	--
	Media inspection	Daily	Visual inspection	No compaction, pooling or dry spots
	Retaining wall inspection	Weekly	Visual inspection	No damage or impairment
	Functioning of water sprays (irrigation system)	Daily (when operating)	Visual inspection	Fully operational to provide adequate coverage
Leachate from biofilters 1, 2 and 3	pH	Weekly	--	--
Humidifier water	Ammonia concentration	Daily	--	Monitoring frequency to be reviewed following assessment of 3 months of monitoring data.
	Bacteria levels	Daily	--	
On site weather station	Wind direction	Continuous	--	--
	Wind speed	Continuous	--	--
	Atmospheric temperature	Continuous	--	--
	Atmospheric humidity	Continuous	--	--

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method** [Note 2]	**Other specifications** [Note 3]
'Penrith' and 'Bradford' thermal oxidisers (A5 & A6)	Operation times	Continuous (whilst operational)	--	--
	Recorded fan speed	Continuous	--	Referred to as 'effluent fan speed" by the plant supplier and operator
	Combustion chamber temperature (°C)	Continuous	--	--
	Residence time (s)	Periodically calculated upon plant modifications or process changes	--	--
	Carbon monoxide	Continuous	--	--
	Oxygen	Continuous	--	--
Boiler (A4)	Operation times	Continuous (whilst operational)	--	--
	Carbon monoxide	Continuous	--	--
	Oxygen	Continuous	--	--
	Temperature	Continuous	--	--
Sumps/catch pits/interceptors (as identified by "integrity check 240#" and/or completion of IC18)	Visual inspection	Weekly	--	--
	Visual inspection when empty	Annual	--	--
Effluent treatment plant	Dissolved oxygen	Continuous	--	--
	Mixed liquor suspended solids (MLSS)	Periodic	--	--
	Sludge age	Periodic	--	--

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method** [Note 2]	**Other specifications** [Note 3]
Effluent treatment plant	Biological profile of sludge	Periodic	--	--
	Final effluent quality	Weekly	24-hour proportional composite sample	In house monitoring of Suspended Solids, Ammonia and COD. Validated by comparison with monitoring undertaken by sewerage undertaker.
Reverse osmosis plant	Permeate reject volume	Daily	Tank volume/level indicator	--
Odour abatement condensers	Operation times	Continuous (whilst operational)	--	--
	Inlet temperature	Continuous (whilst operational)	--	--
	Outlet temperature	Continuous (whilst operational)	--	--
Note 2: Unless otherwise specified, all monitoring is to be undertaken to an appropriate standard in accordance with condition 3.6.3 Note 3: All monitoring and inspections are to be recorded and documented in accordance with condition 3.6.2 and retained for inspection by the Environment Agency. Note 4: To be agreed in writing by the Environment Agency.				

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 3.6.1.	A1, A2, A3, A4, A5, A6	Every 12 months	1 January
Emissions to water. Parameters as required by condition 3.6.1	SW1, SW2, SW3	Every 12 months	1 January
Biofilter Efficiency. Parameters as required by condition 4.2.5	Biofilters	Every 12 months	1 January

Table S4.2: Annual production/treatment	
Parameter	**Units**
--	--

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	m^3
Energy usage	Annually	MWh

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Air	Form air 1 or other form as agreed in writing by the Environment Agency	07/03/18
Water and Land	Form water 1 or other form as agreed in writing by the Environment Agency	07/03/18
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	07/03/18
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	07/03/18

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
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.

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.

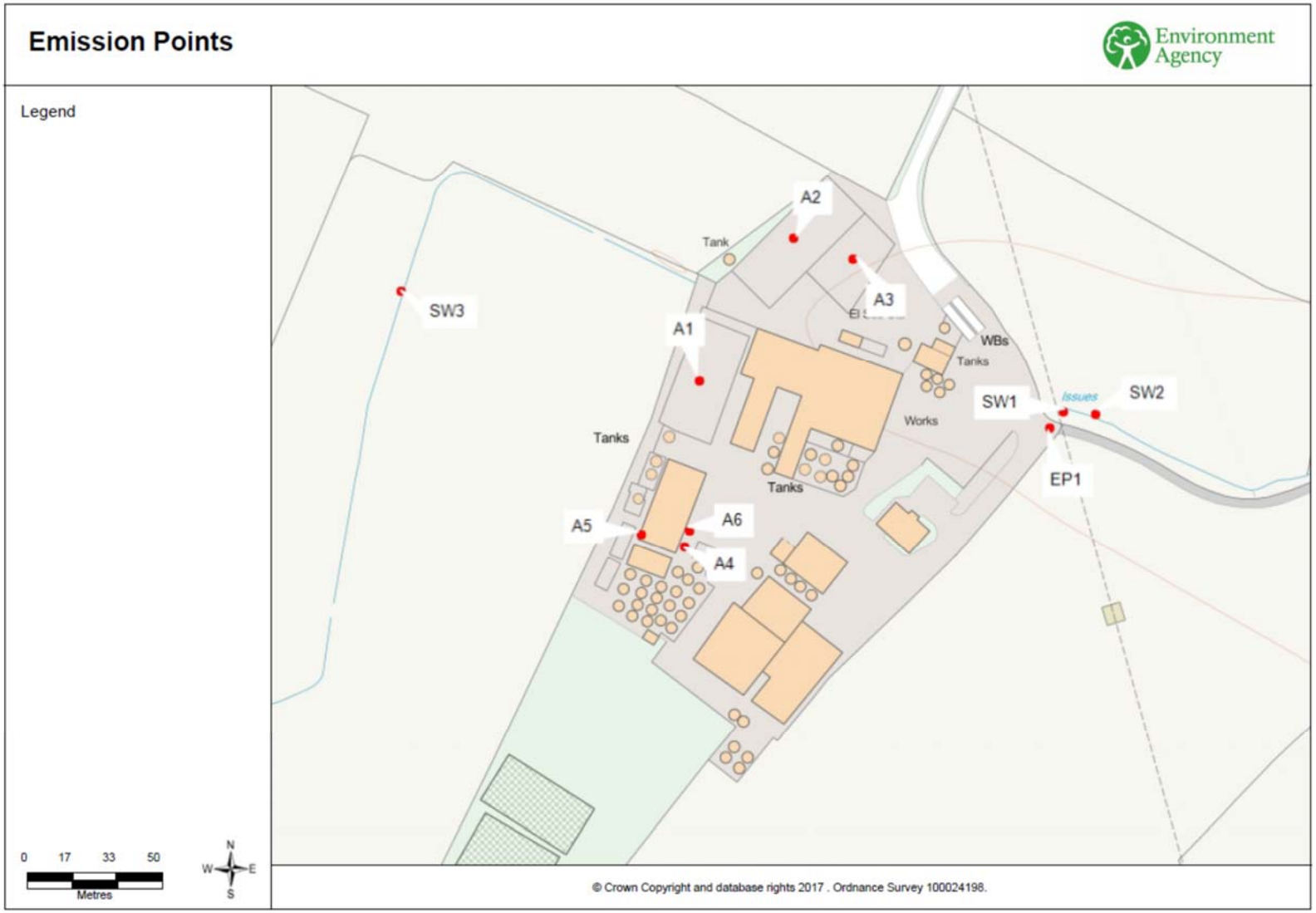
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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 plans

Installation Boundary



END OF PERMIT