

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Dawn Treburley a division of Dawn Meats (U.K.)

Treburley Abattoir
Treburley
Launceston
Cornwall
PL15 9PU

Variation application number

EPR/LP3033WQ/V002

Permit number

EPR/LP3033WQ

Treburley Abattoir

Permit number EPR/LP3033WQ

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

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

The variation authorises the following changes to the permit:

- Increase in cattle throughput to 200 carcasses per day.
- Following increase in throughput the capacity of the deboning line now exceeds the 75 tonnes per day threshold and the cutting plant is now incorporated as an activity in its own right under Section 6.8 Part A (1)(d)(i).
- The waste water treatment plant (WWTP) is expanded to incorporate a second membrane bio-reactor (MBR) and to increase the daily treated effluent volume permit limit to 250m³/day.
- Table S3.2 is updated to reflect the revised emission limits and monitoring requirements following the increase in daily effluent discharge volume.
- 5th quarter processing (stomach and hoof processing) is incorporated as a directly associated activity to the permit and associated emission point to air A3 is added to table S3.1 for the hoof processing vent.
- The existing ambient underground blood tank is replaced with an above ground refrigerated blood tank with two air displacement vents A4a and A4b.
- An additional hot water boiler is added to the permit under a new emission point to air, A5.

The original non technical summary of the site operations is updated and repeated for clarity:

Treburley abattoir processes up to 200 beef carcasses per day and has a slaughtering capacity greater than 50 tonnes per day. The installation also includes an associated cutting plant which has a capacity of greater than 75 tonnes per day.

Cattle are delivered to the site and held in the lairage prior to slaughter. The animals are stunned and then bled. The blood is collected and stored in a refrigerated storage tank prior to off-site sale as a food product. Inedible by-products (legs, intestine, heads etc) are collected and sent off site for rendering, and where appropriate disposal (if Specified Risk Material). Any useful offal is harvested for sale. The site processes the 5th quarter; stomachs are hot washed and refined and hooves are de-haired in preparation for offsite sale. The gut contents of the animals and slurry from the lairage are recovered for land spreading in accordance with specified exemptions under the terms of the Waste Management Licensing Regulations 1994 and the Animal By-Products Regulations 2003. Hides are removed for sale as a product. The carcasses are then chilled prior to despatch to the onsite cutting plant. The meat is removed from the carcasses and deboned, and then further processed into wholesale joints, mince and diced products. The cutting plant may also receive meat that has been slaughtered offsite for processing. The products are then packaged and chilled prior to despatch.

All process effluent and water from wash down of vehicles and the lairage is collected prior to transfer to the effluent treatment plant and subsequent discharge to the River Inny. The effluent treatment plant consists of membrane bio-reactor biological treatment system, the treated effluent is reused on site for third grade wash water in the lairage and to clean farmer vehicles. Surface water from clean yard areas passes through an

interceptor prior to discharge to the River Inny. Emissions to air are either odour, or combustion products from three small boilers providing hot water and steam.

The site has an environmental management system accredited to ISO14001 standard and is a member of the Climate Change Levy agreement.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application EPR/BO4393IH/A001	Duly made 10/09/04	
Additional information received	01/11/04	
Additional information received	30/03/05	Further information received 04/04/05
Permit determined EPR/BO4393IH	13/05/05	
Variation issued EPR/BO4393IH/V002	21/09/06	Variation to include biological effluent treatment plant
Agency variation determined EPR/BO4393IH/V003	11/02/14	Agency variation to implement the changes introduced by the IED.
Application Transfer EPR/LP3033WQ/T001	Duly Made 16/07/14	
Transfer Issued EPR/LP3033WQ	08/08/14	Full transfer of permit to Dawn Treburley a Division of Dawn Meats (U.K.).
Application EPR/LP3033WQ/V002 (variation and consolidation)	Duly made 03/11/14	Application to vary and update the permit to modern conditions.
Application EPR/LP3033WQ/V002 additional information received	08/12/14	Revised emissions to air site plan, letter detailing water quality results and response to questions.
Response to Schedule 5 request for information	06/01/15	Letter confirming the cutting plant capacity now exceeds 75 tonnes per day (Ref: L9_ET_EA_06012015)
Variation determined EPR/LP3033WQ/V002 PAS/ Billing Ref: PP3339WY	30/01/15	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

Permit number

EPR/LP3033WQ

Issued to

Dawn Meats (U.K.) (“the operator”)

whose registered office is

**Michael House
Castle Street
Exeter
Devon
EX4 3LQ**

company registration number 03382084

to operate a regulated facility at

**Treburley Abattoir
Treburley
Launceston
Cornwall
PL15 9PU**

to the extent set out in the schedules.

The notice shall take effect from 30/01/2015

Name	Date
Emma Pemberton	30/01/2015

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/LP3033WQ

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Dawn Meats (U.K.) (“the operator”),

whose registered office is

**Michael House
Castle Street
Exeter
Devon
EX4 3LQ**

company registration number 03382084

to operate an installation at

**Treburley Abattoir
Treburley
Launceston
Cornwall
PL15 9PU**

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

Name	Date
Emma Pemberton	30/01/2015

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").
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Total annual emissions from the emission point(s) set out in schedule 3 tables S3.1 and S3.2 of a substance listed in schedule 3 table S3.3 shall not exceed the relevant limit in table S3.3.
- 3.1.4 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 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 and S3.2

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

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

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

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

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (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.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.8 Part A(1)(b) Slaughtering animals at plant with a carcass production capacity greater than 50 tonnes per day	Slaughtering of cattle	Receipt of live animals to chill of whole carcasses
Section 6.8 Part A (1)(d)(i) Treating and processing materials intended for the production of food products from animal raw materials at a plant with a finished production capacity of greater than 75 tonnes per day	Cutting plant with capacity greater than 75 tonnes per day	Receipt of chilled carcasses, deboning, cutting/portioning to despatch of packaged product
Section 5.4 Part A(1)(a)(i) Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by biological treatment	Membrane bio reactor effluent treatment plant with a capacity greater than 50m ³ /day	Receipt of effluent to discharge to River Inny
Directly Associated Activity		
Burning gas oil	Burning gas oil in three boilers (thermal capacities; 500kW, 115kW and 115kW) to provide hot water and steam	Receipt of fuels to emission of combustion gases
Disposal of surface water	Disposal of uncontaminated surface water via interceptor	Collection of uncontaminated surface water to discharge to River Inny
Blood treatment and storage	Addition of anticoagulant and refrigerated storage of blood	Treatment, refrigerated storage and dispatch of final product.
Refrigeration plant	Refrigeration plant	From receipt of carcasses and other finished goods to dispatch of finished goods from the permitted installation.
Vehicle washing	Washing of vehicles	Washing vehicles within the permitted installation.
5 th Quarter Processing	Stomach and hoof processing	From receipt of 5 th quarter from the slaughter line to processing to dispatch for sale.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to question 2.1 and 2.2 given in pages/section B2.1.24-B2.1.31, B2.2.6, B2.2.45-B2.2.57, B2.3.7-B.2.4.12 of the application	02/09/04
Variation application LP3635LM	The response to questions C1.2, C2.1, C2.2 given in section 2, 3, & 4 of Part C supporting information of the variation application	07/04/06
Response to information	Letter and attachments	27/06/06

Table S1.2 Operating techniques		
Description	Parts	Date Received
notice dated 16/06/06		
Response to information notice dated 15/09/06	Email	18/06/06
Variation application EPR/LP3033WQ/V002	Parts C2 and C3 of the application documents and all associated supporting information	04/08/14
Variation application EPR/LP3033WQ/V002	Letter named (L5_ET_EA_141014), Environmental Risk Assessment (ERA001 V00)	17/10/14
response to not duly made letter dated 09/09/14	Site plan showing location of new effluent treatment plant, letter named (L6_ET_EA_311014)	31/10/14
	Surface water run-off calculations	03/11/14
EPR/LP3033WQ/V002 response to request for information	Updated emissions to air site plan (Drawing No: D-12570101-02 Rev 02), letter detailing water quality results and responses to questions (L7_ET_EA_08122014).	08/12/14
EPR/LP3033WQ/V002 response to Schedule 5 request for information	Letter confirming the cutting plant capacity now exceeds 75 tonnes per day (Ref: L9_ET_EA_06012015)	06/01/15

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall provide a scaled drawing that identifies the zoned areas of the installation in which a reasonable possibility of pollution is identified, in accordance with the requirements of Agency Guidance Note IPPC H7.	Complete
IC2	The Operator shall propose improvements to containment of oil stored on site. Proposals shall consider risks from vehicle collision and shall have regard to section 2.2.5 of the Agency Sector Guidance Note IPPC S6.11, July 2003. A report detailing improvements and a timetable for completion shall be submitted to the Agency for approval.	Complete
IC3	The Operator shall undertake a risk assessment of the tanks that contain liquids whose spillage could be harmful to the environment, including the potential for vehicle collision. The assessment will take into account the requirements of section 2.2.5 of the Agency Guidance Note IPPC S6.11, July 2003. A written report summarising the findings shall be submitted to the Agency. A written timescale for implementation of any improvements shall be submitted to the Agency for approval.	Complete
IC4	The Operator shall provide justification for the continued use of landspreading to dispose of process effluent with regard to the requirements set out in section 2.6 of the Agency Guidance Note IPPC S6.11, July 2003. A written report summarising the findings shall be submitted to the Agency.	Complete
IC5	Subject to IC4, the Operator shall carry out an assessment of the options available for dealing with process effluent taking into account cleaning, water efficiency measures and the resulting process effluent (Section 2.4 and 2.6 respectively of the Agency Guidance Note IPPC S6.11, July 2003). A written report summarising the techniques and options shall be submitted to the Agency.	Complete
IC6	The Operator shall review their documented system of environmental management techniques having regard to the Agency Guidance Note IPPC S6.11 Section 2.3, July 2003, and shall submit the plan in writing to	Complete

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	the Agency.	
IC7	The Operator shall review their written accident management plan with regard to the requirements set out in Section 2.8 of the Agency Guidance Note (IPPC S6.11, July 2003). Upon completion of the review the document shall be submitted to the Agency.	Complete
IC8	The Operator shall undertake an assessment of subsurface structures, including the adequacy of surface water interceptors and the underground blood storage tank, and their potential to cause fugitive emissions to surface water and ground water. The assessment will take into account the requirements of section 2.2.5 of the Agency Guidance Note IPPC S6.11, July 2003. A written report summarising the findings shall be submitted to the Agency. A written timescale for implementation of any improvements shall be submitted to the Agency for approval.	Complete
IC9	The Operator shall undertake an assessment of the surfacing and containment measures on site, including the dung storage tanks and effluent loading areas, and the colour coding of manholes. The assessment will take into account the requirements of section 2.2.5 of the Agency Guidance Note IPPC S6.11, July 2003. A written report summarising the findings shall be submitted to the Agency. A written timescale for implementation of any improvements shall be submitted to the Agency for approval.	Complete
IC10	The Operator shall undertake a review of the number of electricity meters required to manage electricity consumption across the installation. A written report summarising the findings shall be submitted to the Agency. A written timescale for implementation of any improvements shall be submitted to the Agency for approval.	Complete
IC11	The operator shall carry out a water efficiency audit of the installation. The audit shall have regard to the Agency Guidance Note IPPC S6.10, August 2003, Section 2.4.3, and shall provide a breakdown of significant water use by department or activity and shall establish the current installation performance (for example litre water/kg of product) and water efficiency objective(s) for this installation. A summary of the audit shall be sent to the Agency	Complete
IC12	The Operator shall develop a written Site Closure Plan with regard to the requirements set out in Section 2.11 of the Agency Guidance Note IPPC S6.10, August 2003. Upon completion of the plan a summary of the document shall be submitted to the Agency in writing.	Complete
IC13	The Site Protection and Monitoring Plan shall be updated to include the effluent treatment plant and submitted to the Agency.	Complete
IC14	The operator shall document the procedures for the effective operation of the effluent treatment plant. Such procedures shall include the criteria used for all alarms and control points at the effluent treatment plant. A copy of these procedures shall be provided to the Agency.	Complete
IC15	The Operator shall submit a method for monitoring of Turbidity at W2 as specified in Table 2.10.1.	Complete
IC16	The Operator shall provide a report in writing to the Agency detailing the monitoring method used to determine effluent flow at release point W2. The monitoring method shall be agreed in writing with the Agency.	Complete
IC17	The operator shall provide a report in writing to the Agency detailing the integrity and suitability of the existing site drainage arrangements. The report shall include but not be limited to: <ul style="list-style-type: none"> An assessment of high risk areas and suitability of nearby drainage types 	30/07/15

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> • A plan for any proposed changes to the existing drainage system with timescales for completion <p>The report shall be submitted to the Environment Agency for approval.</p>	

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas Oil	Less than 0.1% or 0.1% w/w sulphur content

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [point A1 on air emissions plan 'D-12570101-02' provided 08/12/14]	Hot water boiler using gas oil	Products of combustion	No limit set	--	--	--
A2 [point A2 on air emissions plan 'D-12570101-02' provided 08/12/14]	Steam cleaner fired on gas oil	Products of combustion	No limit set	--	--	--
A3 [point A3 on air emissions plan 'D-12570101-02' provided 08/12/14]	Hoof de-hairing process vent	Odour	No limit set	--	--	--
A4a [point A4a on air emissions plan 'D-12570101-02' provided 08/12/14]	Refrigerated blood tank vent	Odour	No limit set	--	--	--
A4b [point A4b on air emissions plan 'D-12570101-02' provided 08/12/14]	Refrigerated blood tank vent	Odour	No limit set	--	--	--
A5 [point A5 on air emissions plan 'D-12570101-02' provided 08/12/14]	Gas fired hot water boiler	Products of combustion	No limit set	--	--	--

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 [shown as SW1 on map 'Appendix 5 sources and receptors in application EPR/BO4393IH/A 001] emission to River Inny	Un-contaminated surface water via oil interceptor	No parameters set	No limit set	--	--	--
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	Total daily volume of discharge	250 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
						scheme
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	Total suspended solids (measured after drying at 105°C)	10mg/l	For 95% of all measured values of periodic samples taken over one month	Monthly	BS EN 872
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	Biochemical oxygen demand	10mg/l	For 95% of all measured values of periodic samples taken over one month	Monthly	BS EN 1899-1
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	Ammoniacal Nitrogen (expressed as N)	10mg/l	For 95% of all measured values of periodic samples taken over one month	Monthly	BS EN ISO 11732
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	pH	6-9	24-hour total	Continuous	BS ISO 10523
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	Phosphate as P	11mg/l ^{*Note 1}	Annual mean	Monthly	BS EN ISO 15681-1
			5mg/l ^{*Note 2}			
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	Turbidity	No limit set	24-hour total	Continuous	BS EN ISO 7027
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment plant	Visible oil or grease	No significant Trace	Instantaneous (spot sample)	Monthly	--
W2 on site plan in schedule 7 emission to River Inny	Effluent Treatment Plant	Mercury and its compounds, expressed as mercury (Total Hg)	0.1 µg/l	Mass balance calculation	Annual	--
W2 on site plan in schedule 7 emission to River	Effluent Treatment Plant	Cadmium and its compounds,	0.01 mg/l	Mass balance calculation	Annual	--

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Inny		expressed as cadmium (Total Cd)				
<p>Note 1: The 11mg/l phosphate limit is for an effluent flow up to 100m³/day</p> <p>Note 2: The 5mg/l phosphate limit applies following the effluent treatment plant upgrade for an effluent flow up to 250m³/day.</p>						

Table S3.3 Annual limits		
Substance	Medium	Limit (including unit)
Mercury	Water	0.19 g
Cadmium	Water	0.12 g

Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to water Parameters as required by condition 3.5.1	W2	Every 3 months	1 January, 1 April, 1 July, 1 October

Parameter	Units
Slaughter of cattle	No. of animals
Slaughter of Cattle	Tonnes
Deboning/portioning/cutting	Tonnes

Parameter	Frequency of assessment	Units
Mains Water usage	Annually	m ³ /tonne & m ³ /year
Non potable water usage	Annually	m ³ /tonne & m ³ /year
Energy usage	Annually	kWh/tonne & kWh/year
Treated effluent flow	Annually	m ³ /tonne & m ³ /year
Total waste disposal	Annually	Tonnes/tonne & tonnes/year
Refrigerants consumed	Annually	Kg/year

Media/parameter	Reporting format	Date of form
Water	Form water 1 or other form as agreed in writing by the Environment Agency	30/01/15
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	30/01/15
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	30/01/15
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	30/01/15
Waste Return	Form R1 or other form as agreed in writing by the Environment Agency	30/01/15
Mass release	Form MR1 or other form as agreed in writing by the Environment Agency	30/01/15

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	EPR/LP3033WQ
Name of operator	Dawn Meats (U.K.)
Location of Facility	Treburley Abattoir, Treburley, Launceston, Cornwall, PL15 9PU
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	
Measures taken, or intended to be	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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.

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“compliance based on mass balance calculation” means that for the purpose of demonstrating compliance or non-compliance with a specified limit the release shall be calculated. Annual mass releases for Mercury and Cadmium shall be calculated from the maximum potential concentration of the metals present as contamination multiplied by the volume of the chemicals used on site during the Year. An allowance may be deducted for any proportion of the chemicals used that can be demonstrated not to have reached the emission point. The concentration of Mercury and Cadmium shall be calculated from the annual mass release and the volume of effluent discharged during the year.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 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.

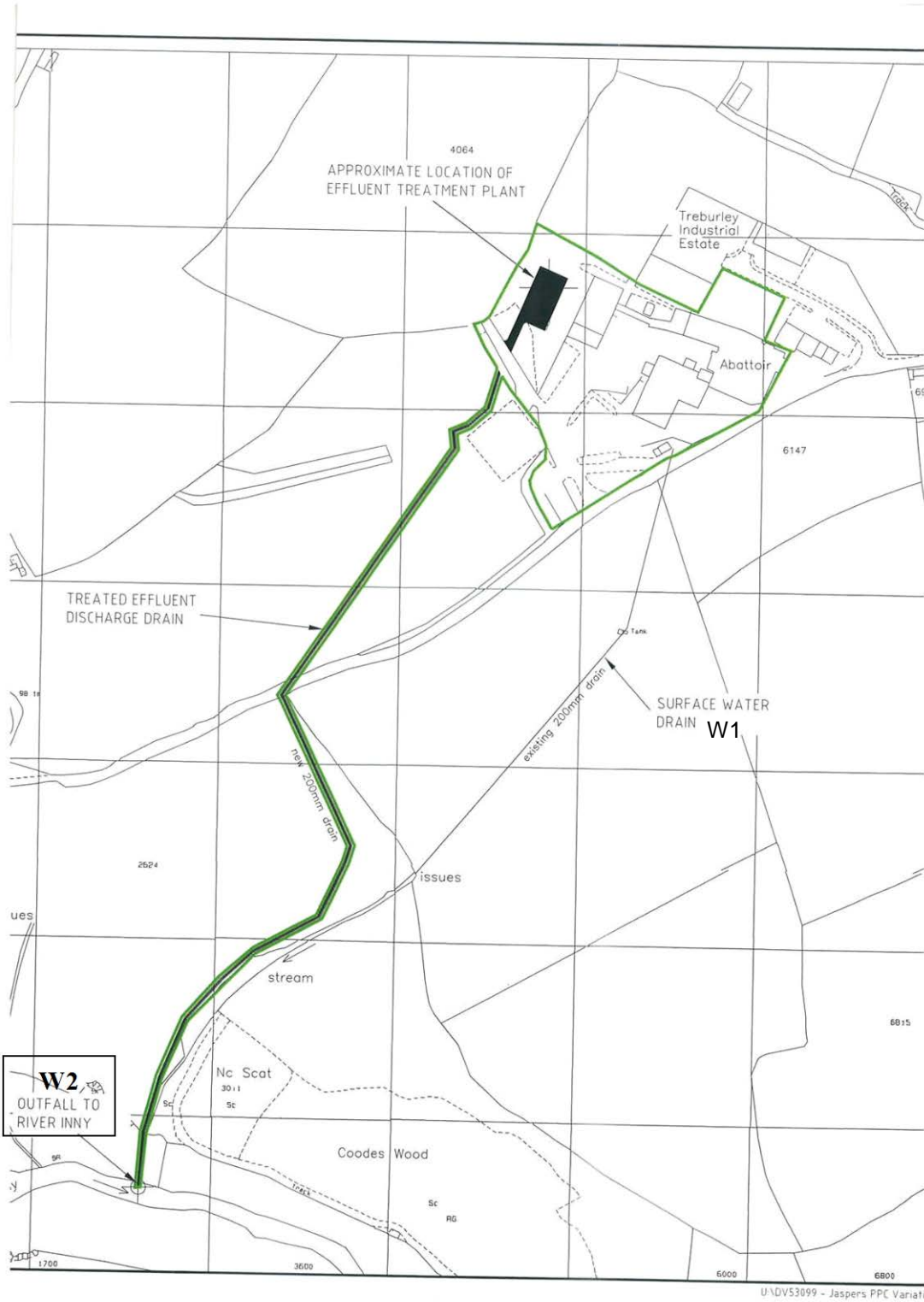
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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 plan



END OF PERMIT