

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Dunbia (UK)

**Cross Hands Meat Processing Plant
Cross Hands Business Park West
Cross Hands
Carmarthen
SA14 6RF**

Permit number
EPR/BU8002IT

Cross Hands Meat Processing Plant

Permit number EPR/BU8002IT

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The installation is located adjacent to the A48, which affords direct links to site from the South West. The A48 lies to the east of the site, on the far side of the road is the main part of the Business Park. Areas to the south and west of the site are largely undeveloped. The main residential area of Cross Hands lies to the north west of the site.

There are three main elements to the installation:

- The preparation of raw meats to be cooked by the consumer
- The preparation of raw meat packs with added ingredients such as sauces, spices and marinades
- The preparation and cooking of meat products to be reheated by the consumer

All the above processes involve the intake, butchery and processing of raw meat primal cuts which are converted into vacuum packaged products for retail sale to major retailers. The site will operate 24 hours a day all year (excluding periods of maintenance).

Solid wastes generated at the site will be sent off-site for disposal. All animal by-products will be sent for rendering, anaerobic digestion or recovery at a suitably licenced facility.

Surface waters from yard areas are collected and passed through an oil interceptor. This water is collected within an attenuation pond before subsequent discharge to the adjacent watercourse. Roof water is also collected and channelled to the attenuation pond. Liquid waste effluent will receive primary on-site treatment before discharge to the foul sewer under a trade effluent discharge consent issued by Welsh Water.

An energy centre is incorporated within the installation boundary to provide a central point for the generation and distribution of utilities. The energy centre includes primary water boilers, electrical distribution, distribution of utilities and a refrigeration plant. There are releases to air of combustion by-products from the boilers and steam from cookers within the Installation.

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

Status log of the permit		
Description	Date	Comments
Application BU8002	Received 26/01/04	Additional fee and information required. Application duly made as of 27/02/04

Permit BU8002	Issued 02/07/04	Issued to Dawn Meats (UK) Limited
Application BU8002IT/V002	Received 15/09/09	Application withdrawn
Application BU8002IT/V003	Received 09/04/14	Duly made as of 09/04/14
Variation issued	15/08/14	Varied permit issued
Application EPR/BU8002IT/V004 (variation)	Duly made 28/04/15	Application to vary the permit to incorporate site changes
Variation determined EPR/BU8002IT	29/07/15	Varied permit issued
Application EPR/BU8002IT/V005	Duly made 10/05/18	Application to add additional CO ₂ cylinder to the site and change company name to Dunbia UK
Variation determined EPR/BU8002IT	31/05/18	Varied permit issued
Regulation 61 Notice sent to the Operator	28/04/20	Issue of a Notice under Regulation 61(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit following the publication of the revised Best Available Techniques (BAT) Reference Document (BRef) for the Food, Drink and Milk Industries.
Regulation 61 Notice response	23/10/20	Response received from the operator.
Application EPR/BU8002IT/V006	Duly made 09/03/21	Application to replace one CO ₂ and one O ₂ tank and correction of emission to air reference
Variation determined EPR/BU8002IT/V006	26/04/21	Varied permit issued
NRW initiated variation determined EPR/BU8002IT/V007	21/02/22	Varied permit issued to Operator. Natural Resources Wales initiated review and variation to vary the permit following the publication of the revised Best Available Techniques (BAT) Reference Document (BRef) for the Food, Drink and Milk Industries.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BU8002IT

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BU8002IT/V007 authorising,

Dunbia (UK) (“the operator”)

whose registered office is

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

company registration number **03382084**

to operate **an installation** at

**Cross Hands Meat Processing Plant
Cross Hands Business Park West
Cross Hands
Carmarthen
SA14 6RF**

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

Signed

Date

<i>Paul Williams</i>	<i>21/02/2022</i>
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Authorised on behalf of Natural Resources Wales

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
 - (a) 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 Natural Resources Wales.
 - (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales 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 Natural Resources Wales.
- 2.3.2 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.3 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.
- 2.3.4 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 Natural Resources Wales.
- 2.4.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales within 14 days of completion of each improvement.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 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 Where a substance is specified in schedule 3 table S3.2 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration.
- 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 Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales 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 Natural Resources Wales.
- 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 Natural Resources Wales, 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 Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales 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 Natural Resources Wales.

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 Natural Resources Wales, 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 Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales 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 Natural Resources Wales.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by Natural Resources Wales.

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 Natural Resources Wales, submit to Natural Resources Wales for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by Natural resources Wales

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 Natural Resources Wales, 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 Natural Resources Wales.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) 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 Natural Resources Wales, 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 Natural Resources Wales, 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 (a) In the event 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 Natural Resources Wales,
 - (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) in the event of a breach of any permit condition the operator must immediately—
- (i) inform Natural Resources Wales, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) in the event 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 Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

- 4.3.4 Natural Resources Wales 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) Natural Resources Wales 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 Natural Resources Wales 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, Natural Resources Wales 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	S6.8 A(1)(d)(i) – Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed (where the weight of the finished product excludes packaging) – (i) only animal raw materials (other than milk only) with a finished product production capacity greater than 75 tonnes per day	To include: - Receipt, storage and processing of raw materials. - Cooking products - Blast freezing products - Smoking products - Packaging, storage and dispatch of finished products - Use of water for cleaning	No receipt or slaughter of live animals. Water must only be used during the cleaning process once surfaces have been cleaned without water “dry cleaning”. Maximum capacity limited to the agreed figure provided in response to part (b) of Improvement Condition 9.
AR2	S5.4 A(1)(a)(ii) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities: (ii) physico-chemical treatment	Treatment of process effluent in an effluent treatment plant discharging to foul sewer.	Operation and maintenance of the effluent treatment plant and discharge to foul sewer. All materials removed from the dissolved air flotation unit and the screenings must be stored within a bunded area.
Directly Associated Activity			
AR3	Ancillary services	Includes: - Boiler house which includes: 1x Lead natural gas steam boiler (2.162 MWth input) 2x Hot water plant natural gas (1.122 MWth input each) 1x Lag steam natural gas boiler (2.162 MWth input) 2x <1 MWth heating boilers - High (-10°C) and low (-40°C) temperature refrigeration plant - Air compressors	Energy production by burning gas or gas oil with 0.1 % sulphur content of less. All boiler house drainage must be directed to foul sewer.

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR4	Surface water management	Use of oil separator, attenuation lagoon and discharge to controlled waters.	All water from the yard areas must pass through the oil interceptor. No process water must enter the surface water system and attenuation lagoon.
AR5	Waste storage	Solid waste storage	Animal by-products must be segregated from general factory refuse at the point of production and stored in separate containers. All animal by-products waste must be stored within an enclosed refrigerated area. All putrescible wastes shall be kept within designated containers situated on an impermeable pavement served by the site foul drainage system. The impermeable pavement shall be laid to a fall to prevent ponding. No liquid shall run off the pavement in the waste storage areas other than via the foul drainage system. All waste storage containers shall be clearly signed to identify their contents.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application BU8002	The response to questions 2.1 and 2.2 given in Attachment A, section 2.1	28/01/2004
Application EPR/BU8002IT/V003	Environmental Minor Variation 1, dated 02/02/14	09/04/2014
e-mail from Operator	Describing new emission stack for new boiler	17/06/2014
Application EPR/BU8002IT/V004	Minor Technical Variation application and proposed changes document	22/04/2015
Application EPR/BU8002IT/V005	Minor Technical Variation application and proposed changes document	17/04/2018
Application EPR/BU8002IT/V006	Minor Technical Variation application and proposed changes document	25/11/2021

Table S1.2 Operating techniques

Description	Parts	Date Received
Response to regulation 61(1) Notice – request for information dated 28/04/2020 detailing how the Operator will comply with the BAT conclusions for Food, Drink and Milk Industries under Directive 2010/75/EU of the European Parliament and of the Council	All	23/10/2020
Additional information for Regulation 61(1) Notice via E-mail from Operator	All	21/01/2022

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
Previous improvement conditions 1 – 6 are complete		
IC7	The Operator shall revise the Odour Management Plan (OMP) to consider any odour emissions from the new smoking unit emission point (reference A7). This OMP shall include procedures and measures to be taken in the event of any significant odour issues associated with this process.	Complete
IC8	The Operator shall produce a new site plan showing the location of all emission points.	Complete
IC9	(a) The Operator shall submit to NRW the maximum capacity of the installation that was used in the most recent risk assessment submitted to NRW. (b) The Operator shall submit to NRW for approval the maximum capacity of the installation at the current time. (c) If the maximum capacity of the installation has increased from the time of the last submitted risk assessment and the current time, the Operator shall review and update the risk assessment to account for the current maximum capacity. The risk assessment shall be submitted to NRW for review. Notes: The capacity is to be taken and presented using the same units from the relevant sub-section of Section 6.8, Part 2, Schedule 1 of the Environmental Permitting Regulations 2016 (as from time to time amended). Capacity is to be taken as the maximum possible capacity of the installation, not the maximum actual production. The risk assessment should follow the methodology set out in The Environmental Risk Assessment (EPR-H1). You may use a methodology other than EPR-H1 however the methodology must address the same issues as in EPR-H1 to an equivalent level of detail.	(a) and (b) Within 6 months of permit variation issue (c) Within 9 months of permit variation issue (if applicable)

Table S1.4 Pre-operational measures

Reference	Pre-operational measures
Previous pre-operational measures 1 – 9 are complete	

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
-	-

Schedule 3(a) – Emissions and monitoring effective until 3 December 2023

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]	Cookers	No parameters set	No limit set	-	-	-
A2 [Point A2 on site plan in Schedule 7]	Boiler (installed 2004)	No parameters set	No limit set	-	-	-
A3 [Point A3 on site plan in Schedule 7]	Hot water plant	No parameters set	No limit set	-	-	-
A4 [Point A4 on site plan in Schedule 7]	Hot water plant	No parameters set	No limit set	-	-	-
A5 [Point A5 on site plan in Schedule 7]	Low temperature plant	No parameters set	No limit set	-	-	-
A6 [Point A6 on site plan in Schedule 7]	Boiler (installed 2014)	No parameters set	No limit set	-	-	-
A7 [Point A7 on site plan in Schedule 7]	Smoker unit	No parameters set	No limit set	-	-	-
A8 [Point A8 on site plan in Schedule 7]	CO ₂ cylinder	No parameters set	No limit set	-	-	-
A9 [Point A9 on site plan in Schedule 7]	O ₂ cylinder	No parameters set	No limit set	-	-	-
A10 [Point A10 on site plan in Schedule 7]	CO ₂ cylinder	No parameters set	No limit set	-	-	-

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
W5 [Point W5 on site plan in Schedule 7 emission to Afon Gwili]	All surface water and roof water from site buildings.	pH	Minimum 6 – maximum 9	Instantaneous (spot sample)	Monthly	BS ISO 10523
		Biochemical oxygen demand (BOD)	10 mg/l O ₂	Instantaneous (spot sample)	Monthly	BS EN 1899-2
		Visible Oil	No visible oil sheen	Instantaneous (spot sample)	Weekly	Visual inspection
		Ammonia	0.25 mg/l	Instantaneous (spot sample)	Monthly	BS 6068.2 (or equivalent)
		Conductivity	1000 µS/cm	Instantaneous (spot sample)	Monthly	BS 6068: Section 2.35:1993
		Total suspended solids	80 mg/l	Instantaneous (spot sample)	Monthly	BS 2690:1981
W6 [Point W6 on site plan in Schedule 7 emission to Afon Gwili]	Clean uncontaminated rainwater from roofing areas	No parameters set	No limit set	-	-	-

Table S3.3 Point source emissions to sewer – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 National Grid Reference: SN 56766 12222 Emission to Dŵr Cymru Cyfyngedig foul sewer	Site effluent treatment plant	pH	Minimum 6 maximum 10	Instantaneous (continuous)	Continuous	In-situ analyser or as agreed in response to improvement condition 5
		Temperature	43 °C (maximum)	Instantaneous (continuous)	Continuous	In-situ analyser or as agreed in response to improvement condition 5
		Flow rate	7 l/s	Instantaneous (continuous)	Continuous	In-situ analyser or as agreed in response to improvement condition 5

Schedule 3(b) – Emissions and monitoring effective from 4 December 2023

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]	Cookers	No parameters set	No limit set	-	-	-
A2 [Point A2 on site plan in Schedule 7]	Boiler (installed 2004)	No parameters set	No limit set	-	-	-
A3 [Point A3 on site plan in Schedule 7]	Hot water plant	No parameters set	No limit set	-	-	-
A4 [Point A4 on site plan in Schedule 7]	Hot water plant	No parameters set	No limit set	-	-	-
A5 [Point A5 on site plan in Schedule 7]	Low temperature plant	No parameters set	No limit set	-	-	-
A6 [Point A6 on site plan in Schedule 7]	Boiler (installed 2014)	No parameters set	No limit set	-	-	-
A7 [Point A7 on site plan in Schedule 7]	Smoker unit	Total volatile organic compounds (TVOC)	50 mg/Nm ³ ^{Note 1}	Periodic	Annual	EN 12619
A8 [Point A8 on site plan in Schedule 7]	CO ₂ cylinder	No parameters set	No limit set	-	-	-
A9 [Point A9 on site plan in Schedule 7]	O ₂ cylinder	No parameters set	No limit set	-	-	-

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
A10 [Point A10 on site plan in Schedule 7]	CO ₂ cylinder	No parameters set	No limit set	-	-	-

Note 1: Emission limit value expressed as mass of emitted substances per volume of waste gas under the following conditions: dry gas at a temperature of 273.15 K and a pressure of 101.3 kPa without correction for oxygen content.

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
W5 [Point W5 on site plan in Schedule 7 emission to Afon Gwili]	All surface water and roof water from site buildings.	pH	Minimum 6 – maximum 9	Instantaneous (spot sample)	Monthly	BS ISO 10523
		Biochemical oxygen demand (BOD)	10 mg/l O ₂	Instantaneous (spot sample)	Monthly	BS EN 1899-2
		Visible Oil	No visible oil sheen	Instantaneous (spot sample)	Weekly	Visual inspection
		Ammonia	0.25 mg/l	Instantaneous (spot sample)	Monthly	BS 6068.2 (or equivalent)
		Conductivity	1000 µS/cm	Instantaneous (spot sample)	Monthly	BS 6068: Section 2.35:1993
		Total suspended solids	80 mg/l	Instantaneous (spot sample)	Monthly	BS 2690:1981
W6 [Point W6 on site plan in Schedule 7 emission to Afon Gwili]	Clean uncontaminated rainwater from roofing areas	No parameters set	No limit set	-	-	-

Table S3.3 Point source emissions to sewer – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 National Grid Reference: SN 56766 12222 Emission to Dŵr Cymru Cyfyngedig foul sewer	Site effluent treatment plant	pH	Minimum 6 maximum 10	Instantaneous (continuous)	Continuous	In-situ analyser or as agreed in response to improvement condition 5
		Temperature	43 °C (maximum)	Instantaneous (continuous)	Continuous	In-situ analyser or as agreed in response to improvement condition 5
		Flow rate	7 l/s	Instantaneous (continuous)	Continuous	In-situ analyser or as agreed in response to improvement condition 5

Schedule 4(a) – Reporting effective until 3 December 2023

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 water Parameters as required by condition 3.5.1	W5	Quarterly	1 January, 1 April, 1 July, 1 October
Emissions to sewer Parameters as required by condition 3.5.1	S1	Quarterly	1 January, 1 April, 1 July, 1 October

Table S4.2: Annual production/treatment	
Parameter	Units
Raw packaged meat produced	tonnes
Cooked meats produced	tonnes
Value added meats produced	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Waste disposal and/or recovery	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water and Land	Form water 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Sewer	Form sewer 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022

Schedule 4(b) – Reporting effective from 4 December 2023

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1	A7	Annually	1 January
Emissions to water Parameters as required by condition 3.5.1	W5	Quarterly	1 January, 1 April, 1 July, 1 October
Emissions to sewer Parameters as required by condition 3.5.1	S1	Quarterly	1 January, 1 April, 1 July, 1 October

Table S4.2: Annual production/treatment	
Parameter	Units
Raw packaged meat produced	tonnes
Cooked meats produced	tonnes
Value added meats produced	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Waste disposal and/or recovery	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	04/12/2023
Water and Land	Form water 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Sewer	Form sewer 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	21/02/2022

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 activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
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 permit condition	
To be notified within 24 hours of detection or 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 taken, to stop the emission	

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

(c) In the event 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:	
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 Natural Resources Wales 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.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit..

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

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

“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.

“recovery” or “R” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the ‘List of Wastes Decision’) and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

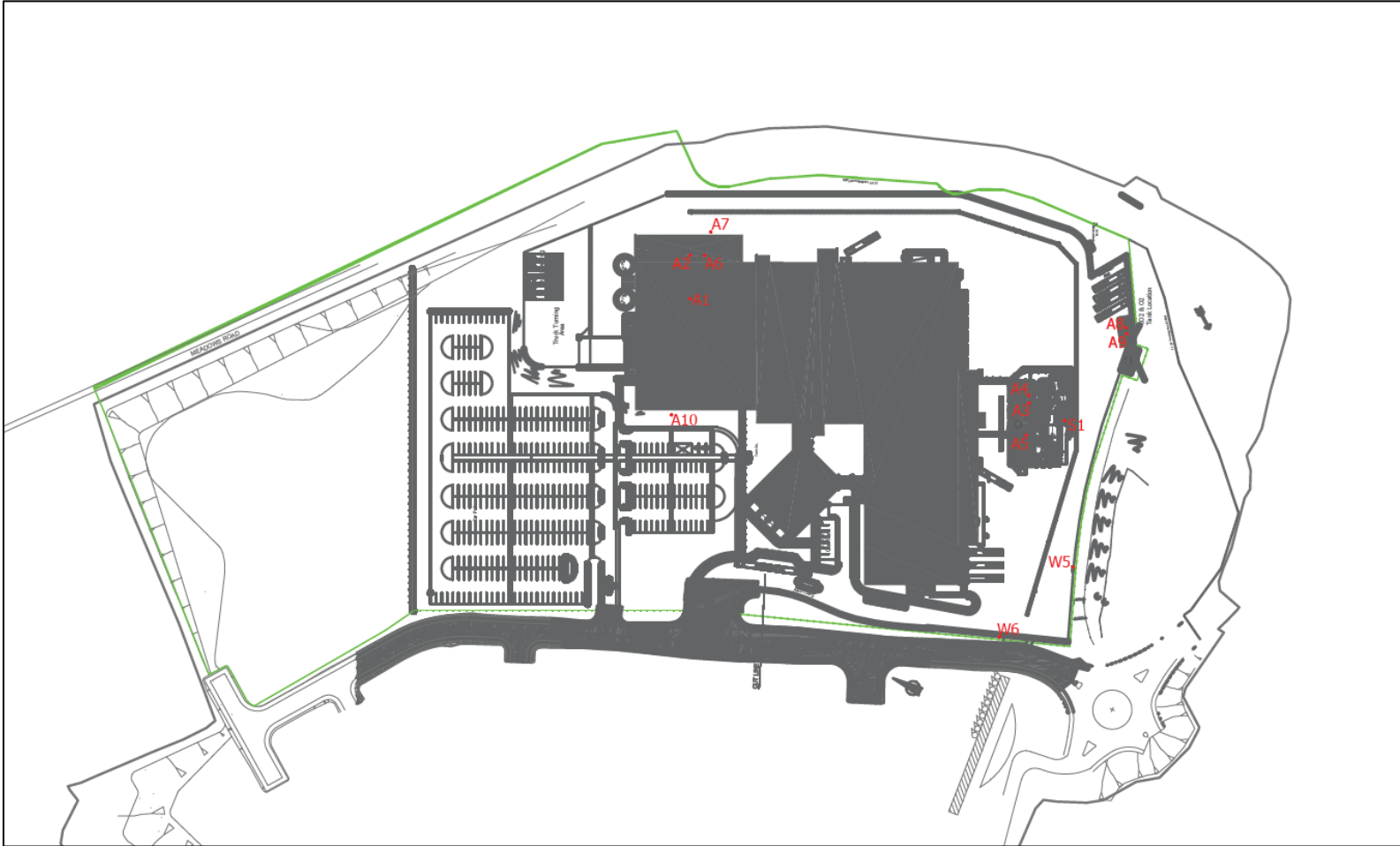
“year” means calendar year ending 31 December.

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:

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273 K, 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
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273 K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 - Site plan



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END OF PERMIT