

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

IHP Limited

Bovingdon Poultry Processing Plant
Bell Farm
Shantock Hall Lane
Bovingdon
Hertfordshire
HP3 0NQ

Variation application number

EPR/MP3436CA/V003

Permit number

EPR/MP3436CA

Bovingdon Poultry Processing Plant

Permit number **EPR/MP3436CA/V003**

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

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

This variation is to:-

This application by the operator is to update the current permit to reflect the status of the plant in its current position. After an internal review completed by IHP and findings from the Environment Agency the permit was deemed deficient with regards to newly installed and updated equipment namely:

- Blood storage / Offal tanks
- Effluent Treatment
- Refrigeration

The Agency and the Operator have also taken this opportunity to ensure the site as a whole reflects the current status of the site.

The following is a reflection of the above:-

IHP Limited slaughters around 370,000 chickens per week (equating to about 70 tonnes per day) at its facility at Bell Farm in Bovingdon. The principal product from the installation is whole, eviscerated chicken carcasses but the facility also produces chicken portions to meet market demand.

Deliveries can take place from 4am – 6pm with the slaughtering process facility operating 24 hours per day Monday to Friday, weekend operations are between 0600 and 1800hrs. Dayshift operations include deliveries and production processes, with cleaning activities completed overnight.

Noise from the site operations is restricted to those limits and parameters as stated within the site specific Noise Management Plan between 4am and 6pm Monday to Friday. No loudspeaker system is operated at the site.

The processing chain comprises the following stages:

Delivery:

Live chickens contained in crates are delivered to the site by road trailer. These crates are off-loaded into a covered lairage area where they remain until slaughtered (as soon as possible, maximum 2 hours). The chickens, still in crates, are taken to the intake point of the slaughter process in the order in which they arrive at the factory by forklift truck. Each arrival of livestock is inspected and any excess faecal or manure is reported to the farm.

Hanging, stunning and bleeding:

The crates travel on a conveyor belt to the hang area where they are taken by hand and hung by the feet from shackles on an overhead chain system. Any dead birds are rejected and placed in a dedicated 36m³ refrigerated CAT 2 storage receptacle for disposal as animal by-products which is inspected daily and in the morning. Diseased or injured birds are manually dispatched in dedicated receptacles and also placed in the animal by-products receptacle. The chickens go through a stun bath which contains potable water fed with an electric current designed to ensure adequate stunning before slaughter to give more efficient blood collection.

The stunned chickens have their throats cut over a trough which collects the blood which is pumped to a 66.5m³ refrigerated blood storage vessel prior to removal from site twice a week as animal by-products. The collection trough is washed and cleaned on a daily basis with the resulting wash water being sent to collection pits and then to foul sewer via an effluent treatment plant.

Scalding and de-feathering:

The bled chickens pass through a two chambered scald tank containing hot water in order to soften the feathers for defeathering by rotating rubber flails. Feathers drop into a water flume system for collection in a dedicated CAT 3 trailer which is stored inside the covered lairage building prior to disposal at least daily as CAT 3 animal by-products (tank capacity 20m³).

Evisceration, chilling, cutting and packaging:

The chickens are automatically eviscerated and their crops removed. The prepared bird, together with its eviscera, is presented for post-mortem inspection and any birds failing this inspection are placed in dedicated receptacles before going to the 87m³ refrigerated animal by-products receptacle for disposal as CAT 2 animal by-products. Birds passing this inspection are matured in a chilled room before going for cutting or packaging. The majority of birds are packed whole. However, a proportion is cut into portions semi-automatically on a conveyor line. Operators carry out any final trimming needed to ensure the quality of the final product.

Overnight cleaning (between 7pm and 6:30am daily 6 days a week) is done inside the factory, lairage and cutting room as well as a wash down using pressure washers in the factory after every load processed. The factory doors are kept shut to minimise any potential odour release. Excess debris and animal carcasses are removed and disposed of into animal by-products receptacles and stored until correct ABP collection is made. The lairage is washed down throughout the day using the pressure washer and DEFRA approved disinfectant. Faeces are washed off the lairage trailers into the sump where it is treated through the dissolved air floatation (DAF) plant comprising an activated sludge process for the removal of contaminants and pollutant loads.

A five-stage vertical wet scrubber was installed on the site in 2016 to neutralise potential sources of nuisance fugitive odourous air and any remaining solid fractions from the air extracted from the lairage, kill room, evisceration room and offal room. The scrubber operates continuously Monday to Friday 24 hours per day. The system is designed to extract air at a rate of 30,000m³/hr at 150Pa. There is a single flue stack which has an exhaust velocity rate of 15m/s at a height of 10m (3m above the adjacent roof structure).

The scrubber is checked daily upon start-up including checking the pH of the chemicals (sodium hypochlorite and sodium hydroxide) and the water level. Regular inspections of the filters, probes, fans, nozzles and pumps are undertaken as well as weekly records kept including any maintenance and cleaning.

Both the Blood and Offal tanks are served by a carbon filter to prevent odour release.

The site utilities include an LPG fuelled combustion plant rated 575kW providing hot water for the process and cleaning. There is also a diesel generator used for cooling purposes in the ammonia plant, this is a 1.2MW generator which has been limited to 0.8MW rating and therefore is not subject to Medium combustion Plant Directive.

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/MP3436CA/A001	Duly made 05/07/2012	Application for chicken slaughterhouse.
Additional information received	20/07/2012	Confirmation of arrangements for managing spills.
Additional information received	22/08/2012	Report on the condition of the hardstanding and the on-site pond, and a list of tank vents.

Status log of the permit		
Description	Date	Comments
Permit determined EPR/MP3436CA	06/09/2012	Permit issued to IHP Limited.
Application EPR/MP3436CA/V002	Duly made 17/11/2017	Addition of a wet scrubber. Update permit to modern conditions.
Permit determined EPR/MP3436CA (PAS Billing ref: GP3337YH).	01/03/2018	Permit issued to IHP Limited.
Application for variation EPR/MP3436CA/V003	Duly made 21/09/2021	Application for normal variation updating of permit to include changes to blood and offal tanks, refrigeration plant, effluent treatment plant and various other changes on site.
Schedule 5	28/10/2021	Various questions around, hours of operation, energy efficiency, ABP storage, effluent treatment plant, refrigeration, odour management plan and site maps and plans
Variation determined (Billing reference UP3601LS)	24/12/2021	Consolidation and variation issued

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/MP3436CA

Issued to

IHP Limited (“the operator”)

whose registered office is

2nd Floor

167-169 Great Portland Street

London

W1W 5PF

company registration number 06061061

to operate a regulated facility at

Bovingdon Poultry Processing Plant

Bell Farm

Shantock Hall Lane

Bovingdon

Hertfordshire

HP3 0NQ

to the extent set out in the schedules.

The notice shall take effect from 24/12/2021

Name	Date
David Griffiths	24/12/2021

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions were varied 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 2016

Permit number

EPR/MP3436CA

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/MP3435CA/V003 authorising,

IHP Limited (“the operator”),

whose registered office is

2nd Floor

167-169 Great Portland Street

London

W1W 5PF

company registration number 06061061

to operate an installation at

Bovingdon Poultry Processing Plant

Bell Farm

Shantock Hall Lane

Bovingdon

Hertfordshire

HP3 0NQ

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

Name	Date
David Griffiths	24/12/2021

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

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

2.3 Operating techniques

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

2.4 Improvement programme

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.5 Monitoring

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

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

3.6 Pests

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

3.6.2 The operator shall:

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

4 Information

4.1 Records

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

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

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

4.2 Reporting

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

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

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

- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and

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

In any other case:

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

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

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

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

4.4 Interpretation

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

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 Activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
S6.8 Part A(1)(b) - slaughtering animals at a plant with a carcass production capacity of more than 50 tonnes per day.	Slaughtering chickens in a slaughterhouse.	From receipt of live chickens, to: dispatch of whole eviscerated chickens off site or dispatch of carcasses to the cutting line, dispatch of animal by-products and wastes off site, and dispatch of effluent to the on site effluent treatment plant.
S6.8 Part A(1)(d)(i) - treating and processing materials intended for the production of food products from animal raw materials (other than milk) at a plant with a finished product production capacity of more than 75 tonnes per day.	Production of chicken portions.	From receipt of chicken carcasses to: dispatch of chicken portions off site, dispatch of animal by-products and wastes off site, and dispatch of effluent to the on site effluent treatment plant.
S5.4 Part (A)(1)(a)(ii) - disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment, not being treatment specified in any paragraph other than paragraph D9 in Annex IIA to the Waste Framework Directive, which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 in that Annex (for example, evaporation, drying, calcination, etc) (D9).	Effluent treatment in a plant with a capacity of 150 tonnes per day.	From receipt of process effluent to discharge of treated effluent to Thames Water sewer.
Directly Associated Activity		
Boiler plant for factory	Burning of LPG in a combustion plant rated 575kW installed capacity.	From receipt of LPG for providing hot water for processing and cleaning to emission of combustion gases to atmosphere.
Generator for ammonia plant.	0.8MW fuelled on diesel (This plant was installed as a 1.2MW generator but has been limited to 0.8MW)	From receipt of diesel for power for the ammonia plant to emission of combustion gases to atmosphere.
Refrigeration plant	Refrigeration plant using ammonia and R404a.	From receipt of refrigerant to dispatch of cooled air to process.
Vehicle wash facilities	Fired pressure washer using kerosene.	From collection of fuel from bulk storage and receipt of water from site supply to discharge of effluent to sewer.
Bulk fuel storage	Storage tanks for diesel, gas oil, kerosene and LPG.	From receipt of fuel to dispatch to process.
Wet scrubber	Five stage vertical wet scrubber operated continuously Monday to Friday extracting air at a rate of 30,000m ³ /hr at 150Pa. Single 10m high stack with exhaust velocity rate of 15m/s.	From collection of odourous air emissions from the lairage, kill room, evisceration room and offal room to discharge of treated/neutralised air via a single stack.
Waste storage and disposal	Storage and disposal of waste generated on site.	From generation of waste to dispatch off-site for disposal or reuse/recovery.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/MP3436CA/A001	Section 13: 2.9, 2.10 and 10.2 (not including the odour BAT assessment).	05/07/2012
Application EPR/MP3436CA/V002	Part C3, Q3, Table 3: Technical Standards. Revised odour management plan: Feb 2017 version 6. Revised noise management plan: Nov 2016 version 1. Revised accident management plan: Nov 2016 version 3. Revised EMS: Dec 2016 issue 002. Revised site drainage plan CRM.521.001.PE.D.004: Feb 2017. Revised odour BAT assessment in Section 4.0 of 'Environmental Permit EPR/MP3436CA – Variation Report Bovingdon Poultry Processing Plant' ref: CRM 521 001 PE R 003 A dated June 2017.	07/07/2017
Application EPR/MP3436CA/V003	Part C3, Q3, Table 3: Technical Standards.	21/09/2021
Schedule 5 dated 28/10/2021	Email – includes attached updated tank map dated 29.04.2015, Odour survey reference map. Drainage maps.	16/11/2021
	Email – includes attached boundary & not IHP map, Drainage plan Oct 2021(7), Blood & Offal tank process flow (80), fridge ref map updated (96), Chemical site plan, DAF process flow (pictures)(15) and Schedule 5 RFI.	26/11/2021
Further email asking for more detail around original question on Schedule 5 dated 02/12/2021	Email - includes tabulated table including energy equipment on site	08/12/2021
	Updated Odour Management Plan version 9	Dec 2021
Email from Operator	Confirming the rating of the 1.2MW generator to be locked at 0.8MW by manufacturer.	17/12/2021
Email	Updated site plan (Site plan with emission points (2)	21/12/2021

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP1	The Operator shall submit an amended written Accident Management Plan to the Environment Agency for approval.	Completed
IP2	The Operator shall review the environmental management system against the requirements given in the Horizontal Guidance Note H6 and shall submit a written report to the Environment Agency for approval which shall summarise any improvements that will be made to the environmental management system and the date by which the changes will be implemented.	Completed

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP3	<p>The Operator shall review the design, method of construction and integrity of all bunds surrounding above ground tanks. This shall compare existing bunds against the standards set out in the Oil Storage Regulations. The review shall include:</p> <ul style="list-style-type: none"> ➤ the physical condition of the bunds, ➤ their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure; and ➤ suggested preventative maintenance and inspection regime. <p>The Operator shall submit a written report of the review to the Environment Agency for approval, detailing the reviews findings and recommendations.</p> <p>Remedial action shall be taken to ensure that all bunds meet the standards set out in the above Regulations and that the maintenance and inspection regime is implemented.</p>	Completed
IP4	<p>The Operator shall conduct a survey to determine the route and final discharge point of all surface water drains in the installation. The Operator shall submit an amended site drainage plan to the Environment Agency, which shall highlight any discharges of surface water to water course or soakaway.</p>	Completed
IP5	<p>The Operator shall submit a written report to the Environment Agency. The report must contain details on the recent replacement of refrigeration units with more energy efficient units which are to be used in the final storage rooms and chilling room after evisceration. The report shall include but not be limited to:</p> <ul style="list-style-type: none"> ➤ specification of the new replacement units installed including the refrigeration gas type, its GWP (global warming potential), and volume; ➤ how these new units are more energy efficient compared to the original units in use at the time of the original permit application (date of permit issue: 06/09/2012); ➤ details on how the newly installed units comply with the F Gas Regulations EU No 512/2014 (replacing EC No 842/2006). <p>The report shall also include a list of all refrigeration units, including size and refrigeration gases which were on site at the time of permit issue, and details of the fate of any units which have been removed or replaced since the permit was issued, including the amount and fate of the refrigerant gasses.</p> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report.</p>	Withdrawn
IP6	<p>The Operator shall submit a written report to the Environment Agency for approval. The report must contain details of:</p> <ul style="list-style-type: none"> ➤ the options considered for how refrigeration of the blood storage room and offal room will be achieved with appropriate BAT assessments ➤ an assessment of the potential energy efficiencies and costs for each option considered ➤ dates for the implementation of the individual measures identified. <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report.</p> <p>You must implement the report as approved and from the date stipulated by the Environment Agency.</p>	Withdrawn

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP7	<p>The Operator shall submit a written report to include a BAT assessment to determine the alternatives to the current flexible curtain to the Environment Agency for approval. The report must contain justification for the option selected and can include, but not be limited to, details of other improvements proposed to be made within the lairage and dates for the implementation of the individual improvement measures identified.</p> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the report. You must implement the report as approved and from the date stipulated by the Environment Agency.</p>	<p>Within 6 months of the date of issue of variation EPR/MP3436CA/V003</p>
IP8	<p>The Operator shall submit a written review and update of the site Accident Management Plan to the Environment Agency for approval. The report must include control measures to be implemented on site to prevent contaminated releases from impermeable surface areas via release point SW1 so only uncontaminated surface runoff is discharged post SW1.</p> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the plan.</p> <p>You must implement any identified improvements as approved and from the date stipulated by the Environment Agency.</p>	<p>Withdrawn</p>
IP9	<p>The Operator shall submit a Refrigeration Management Plan, this shall include but not be limited to:-</p> <p>Tabulated list of all refrigeration plant on site to include:-</p> <ul style="list-style-type: none"> • Name/number of each individual plant • Refrigerants/amounts used in each individual plant • Individual sizes of plant • Source of power for each individual plant • A site plan showing the locations of each refrigeration unit • Type of plant • The purpose of use/and or plant that each refrigeration unit provides for • The normal usage of the plant e.g. 24hr/specific hours/standby/emergency only. <p>The plan must also include:-</p> <ul style="list-style-type: none"> • Monthly recording and annual reporting of planned preventative maintenance schedules, as required by condition 4.2.2. • Monthly recording and annual reporting of unplanned/breakdown maintenance, as required by condition 4.2.2. • Monthly recording and annual reporting of leakage and top up of refrigerants, as required by condition 4.2.2. • Future proofing of the refrigerant plant system on site to ensure that all conditions (particularly 1.1, 1.2, 1.3 & 1.4) in this variation are adhered to with respect to implementing changes or installing new plant (such as fridges/chillers and equipment such as pumps/fans/valves that are connected to the refrigeration system etc. In line with Best Available Techniques (BAT) Reference Document for the Food, Drink and Milk Industries Industrial Emissions Directive 	<p>Within 6 months of the date of issue of variation EPR/MP3436CA/V003</p>

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	2010/75/EU (Integrated Pollution Prevention and Control) 2019.	
IP10	<p>Part 1</p> <p>The Operator shall undertake air emission monitoring (method to be agreed in writing with the Environment Agency) of oxides of nitrogen and carbon monoxide and sulphur dioxide from emission points A2 and A3, as defined in table S3.1. This monitoring will be for the duration of one day shift and shall be repeated for two such shifts, and shall include measurement of concentration and efflux velocity. The Operator shall submit a written report to the Environment Agency detailing the monitoring undertaken and results obtained.</p> <p>Part 2</p> <p>The Operator shall submit a H1 assessment based on the results of the monitoring required by Part 1.</p>	31/07/2022

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Diesel	Less than 1.0% sulphur by mass.

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Point A2 on site plan in Schedule 7	Boiler Plant for Factory burning of LPG in combustion plant rated 575kW	Combustion gases	---	---	---	---
Point A3 on site plan in Schedule 7	Ammonia plant Generator burning of diesel 0.8MWth	Combustion gases	---	---	---	---
Point A4 on site plan in Schedule 7	Carbon Filter serving Blood and Offal tanks	Odour	--	Daily odour sniff test during site operations to ensure that no odour nuisance occurs beyond the boundary fence	---	Permanent sampling point not required
Point A1 on site plan in Schedule 7	Wet scrubber exit vent stack, serving lairage, kill room, evisceration room and offal room					

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Point SW1 on site plan V002.	Uncontaminated surface runoff from impermeable surface areas and roof runoff only	---	---	---	---	---

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Point S1 on site plan in V002 Trade effluent discharge point (to foul sewer)	Process effluent from dissolved air flotation effluent treatment plant	Volume	Max and Min values	Month	Continuous	MCERTS self monitoring of effluent flow scheme
		Flow		24 hour period	Continuous	

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 sewer Parameters as required by condition 3.5.1	S1	Every 12 months	1 January
Emissions to air Parameters as required by condition 3.5.1	A1, A2	Every 12 months	1 January

Table S4.2 Annual production/treatment	
Parameter	Units
Chickens received	Tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	Tonnes
Energy usage	Annually	MWh
Waste disposal and/or recovery (category 2 animal wastes)	Annually	Tonnes
Waste disposal and/or recovery (category 3 animal wastes)	Annually	Tonnes
Refrigerant usage	Annually	kg

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	26/02/2018
Sewer	Form sewer 1 or other form as agreed in writing by the Environment Agency	26/02/2018
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	26/02/2018
Energy usage	Form energy 1 or other as agreed in writing by the Environment Agency	26/02/2018
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	26/02/2018

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	
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.

“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

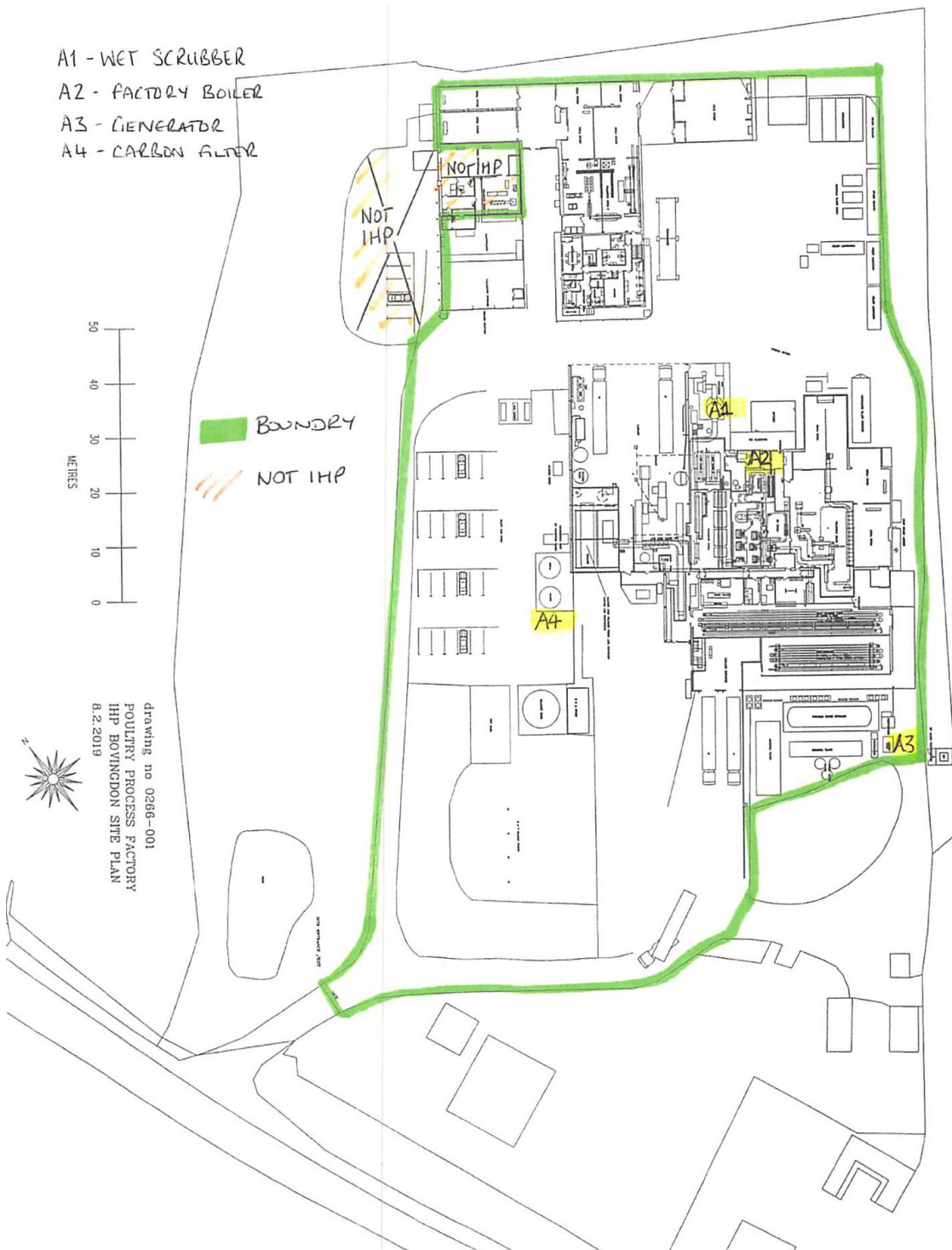
“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“Pests” means Birds, Vermin and Insects.

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

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT