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## **Permit with introductory note**

The Environmental Permitting (England & Wales) Regulations 2016

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**Maelor Foods Limited**

**Maelor Poultry Processing Plant  
Pickhill Lane  
Cross Lanes  
Wrexham  
LL13 0UE**

Permit number

**EPR/AB3591ZQ**

# Maelor Poultry Processing Plant

## Permit number EPR/AB3591ZQ

### Introductory note

#### **This introductory note does not form a part of the permit**

The main features of the permit are as follows.

This installation is located approximately 4km south east from Wrexham and is permitted for the slaughtering of poultry and meat preparation as well as associated waste effluent treatment. The permitted throughput for the site is 2 million birds per week.

Live birds are delivered to the site in “modules” on HGV lorry trailers. They are unloaded, remaining in the modules into the lairage area. They are then passed into the gas stunning area and are killed, bled, scalded, de-feathered, eviscerated and chilled.

Permitted activities include for some birds to be packaged for despatch to retail or wholesale, while the remaining birds pass to the meat processing part of the installation where the products are packaged for dispatch. In the meat processing part of the plant, whole birds will be cut into various portions on automated and manual processing lines, and packaged for dispatch.

The blood tank is emptied and cleaned daily to reduce odour generation. Animal by-products and feathers are stored in trailers within an enclosed building and removed daily. The air from this storage area, the blood tank and de-feathering process is passed through a scrubber to reduce odours before being released from the elevated stack.

Modules and vehicles are washed before leaving the site.

Wash down waters and process effluents flow to the on site effluent treatment plant before being treated and discharged to the River Dee (Approximately half of the treated water is returned to the installation for vehicle and module washing).

Hot water for the process is provided by small scale on site boilers.

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 PAN-001271	Duly made 07/02/17	Application for poultry slaughterhouse, meat processing and effluent treatment
Additional information requested	20/03/17	
Additional information requested	07/04/17	

**Status log of the permit**

<b>Description</b>	<b>Date</b>	<b>Comments</b>
Additional information received	19/04/17	Further data on odour modelling figures used, odour controls and procedures
Additional information received	26/04/17	Updated Installation plan and further applicable information
Additional information received	05/06/17	Additional information relating to containment, odour control and monitoring at the effluent treatment plant
Additional information received	14/07/17	Layout plan, details of new boilers, H1 assessment
Permit determined	29/08/17	Permit issued to Maelor Foods Limited
Application PAN-003281	Duly made 25/10/18	Application to change monitoring locations W2 & W3 and add a point source emission to air from the wastewater treatment plant.
Additional information received	11/02/19 & 19/02/19	Additional information relating to DERV storage tank.
Variation determined EPR/AB3591ZQ/V002	01/03/19	Varied permit issued to Maelor Foods Limited.
Application PAN-008588	Duly made 11/03/20	Application to increase site boundary and to add a second gas stunning pit.
Variation determined EPR/AB3591ZQ/V003	22/04/20	Varied permit issued to Maelor Foods Limited.
PAN-020892 (Variation EPR/AB3591ZQ/V004)	Duly made 11/05/23	Application to increase throughput capacity from 1 million birds per week to 2 million birds per week
First Schedule 5 Additional information received	27/10/23	Additional information relating to Noise Impact Assessment
Schedule 5 Additional information received	01/12/23	Additional information relating to secondary containment for WWTP
Schedule 5 Additional information received	31/01/24	Additional information relating to Noise Impact Assessment
Schedule 5 Additional information received	22/03/24	Additional information relating to Water Quality Assessment
Additional information received	25/06/24	Updated Point Source Emissions Plan
Variation determined EPR/AB3591ZQ/V004	16/07/24	Varied and consolidated permit issued to Maelor Foods Limited.

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number  
**EPR/AB3591ZQ**

This is the consolidated permit referred to in the variation and consolidation notice for application **EPR/AB3591ZQ/V004** authorising,

**Maelor Foods Limited** ("the operator"),  
whose registered office is

**Salisbury House  
Vulcan Road  
Bilston  
West Midlands  
WV14 7HT**

company registration number **09156025**  
to operate an installation at

**Maelor Poultry Processing Plant  
Pickhill Lane  
Cross Lanes  
Wrexham  
LL13 0UE**

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

Signed	Date
<b>Anna Griffiths</b>	<b>16/07/2024</b>

Senior Specialist Advisor, Installations and RSR Permitting  
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”).

### **2.2 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 S1.4A 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 and S3.2a and S3.2b.
- 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 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.
- 3.3.3 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 Pests**

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

## **3.6 Monitoring**

- 3.6.1 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 and S3.2a and S3.2b;
- 3.6.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2a and S3.2b 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. 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 “without delay”, in which case it may be provided by telephone.

# Schedule 1 - Operations

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
AR1	S6.8 A1 (b)	Slaughtering of animals at a plant with a carcass production capacity of more than 50 tonnes per day	From receipt of live chickens to delivery of carcasses for meat processing. Limited to 2 million birds per week.
AR2	S6.8 A1 (d)(i)	Treating and processing of animal raw materials intended for the production of food with a finished product production capacity of more than 75 tonnes per day.	From receipt of carcasses to dispatch of final products. Limited to 158 tonnes per day.
AR3	S5.4 A1 (a)(i)	Disposal of non hazardous waste in a facility with a capacity of more than 50 tonnes per day by biological treatment.	Biological treatment of effluent produced within the site through to discharge of treated effluent to the River Dee. Limited to 3,120m <sup>3</sup> per day.
<b>Directly Associated Activities</b>			
AR4	Odour abatement plant	Two chemical scrubber treating air extracted from odorous parts of the S6.8 A1 (b) process.	From extraction of air to release of air to atmosphere via exhaust stacks.
AR5	Chemical storage	Storage of chemicals for use on site	Temporary storage of chemicals necessary for operation of the installation.
AR6	Refrigeration plants	Chilling of carcasses and processed meats	From receipt of slaughtered birds to despatch of final products
AR7	Water heating	Burning fuel in a combustion plant to heat water.	Heating of water in five gas fired boilers: <ul style="list-style-type: none"> <li>• 3 x 1.05 MWth,</li> <li>• 1 x 0.38 MWth</li> <li>• 1 x 512 kWth</li> </ul>
AR8	Waste arisings and handling storage	Temporary storage of wastes on site prior to removal.	From production of waste to removal from site.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application PAN-001271	Part B2 and B3 of the application and all referenced supporting documents.	07/02/17
Application PAN-001271	Pre-Operational Odour Management Plan	07/02/17
Additional information	Section 2 Installation Plan	26/04/17
Response to Schedule 5 Notice dated 20/03/17	Responses to schedule 5 Notice questions	19/04/17
Response to Schedule 5 Notice dated 07/04/17	Responses to schedule 5 Notice questions	19/04/17
Additional information	Additional information relating to containment, odour control and monitoring at the effluent treatment plant	05/06/17
Additional Information	Additional information relating to gas fired boilers to be installed on site	14/07/17
Application EPR/AB3591ZQ/V002	Part C2 and C3 of the application and all referenced supporting documents. Excluding the last paragraph of section 5.2 of the 'Application for Variation (1)' document.	14/09/18
Additional information	Revised site drainage and site installation plan.	25/10/18
Additional information	Additional information relating to DERV storage tank.	11/02/19 & 19/02/19
Application EPR/AB3591ZQ/V003	Part C2 and C3 of the application and all referenced supporting documents.	06/01/20
Application EPR/AB3591ZQ/V004	• Part C2 and C3 of the application and all referenced supporting documents.	11/05/23
Additional information	• 271023 - 2nd Response to Schedule 5 Notice • Maelor Foods Final Noise Report 27-10-23 Permit Variation Sch5 • PAN-020892 Schedule 5 Notice Response Review	27/10/23
Additional information	• Site Drainage 2023 V3 • WWTP Phase 2 Layout Plan • Proposed retaining wall plan – Ref 13483-001 – Rev F • Proposed retaining wall plan advising proposed storage volume – Ref 13483-SK100 - Rev D • Bund wall – Jetting Failure Check • Flood Risk Map • Draft Phase 2 Emergency Response Plan	01/12/23
Additional information	• Maelor Foods Ltd. Second Sch 5 RESPONSE Final For Issue Ver 1.3 • Maelor Foods Ltd. Second Sch 5 RESPONSE to NRW APPENDICES FINAL ver1.2 • Noise Management Plan - Jan 24 (Permit Application)	31/01/24
Additional information	• Response to Schedule 5 dated 14.03.2024 - WQ modelling.FINAL • Sched 5 No 3 - Appendix 1 - Maelor Foods WQ Modelling Report V4.2 • Sched 5 No 3 - Appendix 2 - Maelor Foods - RQP Analysis Outputs 2024 (003) • Sched 5 No 3 - Appendix 3 - W1 iron & chloride 2023 • Sched 5 No 3 - Appendix 4 - Iron & chloride 12 weeks reports Apr - Jun 23	22/03/24
Additional information	• Updated Site Layout and Emissions Point Plan	25/06/24

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
IC1	The operator shall inform Natural Resources Wales of the date of commencement of activity type S6.8 A1 (b)	Complete
IC2	<p>The Operator shall undertake an operational olfactometry survey of all potentially odorous release points from the installation. The survey should quantify the odour emissions and their offensiveness once the site is fully operational and odours have become established. The survey shall include an assessment of the efficiency of the odour abatement plant.</p> <p>The results of the survey shall be used to review the odour impact assessment for the installation.</p> <p>A report on the olfactometry survey and odour impact assessment shall be sent to NRW for approval and shall include proposals, with timescales, for further improvements to reduce odours if the assessment identifies potentially significant offsite odour concentrations at sensitive receptors.</p>	Complete
IC3	Upon completion of IC2 the Operator shall review the odour management plan and submit to NRW	Complete
IC4	Following successful commissioning and establishment of routine steady operation <sup>1</sup> of phase 2, the Operator shall undertake a BS 4142:2014+A1:2019 noise impact assessment following guidance set out in Noise and Vibration Management: Environmental Permits and Method implementation document (MID) for BS 4142, to demonstrate that impacts do not exceed those specified in the Noise report "Document Reference Maelor Foods Ltd. Second Sch 5 RESPONSE Final For Issue Ver 1.3" dated 29/01/2024. Upon completion of the work, a written report shall be submitted to Natural Resources Wales for approval.	Within six months from routine steady operation of Phase 2 Operations Commencing
IC5	<p>The operator shall submit to Natural Resources Wales a written report on the commissioning of Phase 2 Operations in accordance with the approved commissioning plan (Pre-Operational Measures PO5). The report shall include but is not limited to:</p> <ul style="list-style-type: none"> <li>• The environmental performance of the Poultry Processing Plant and a review against the conditions in the permit;</li> <li>• Any operating techniques or procedures developed and adopted during the commissioning of Phase 2 Operations for achieving and demonstrating compliance; and</li> <li>• The report shall outline any improvements and / or modifications identified as part of the commissioning and any timetable for their implementation.</li> </ul>	2 months after commissioning of Phase 2 Operations

<sup>1</sup> Routine steady operation is defined as "normal operation" consists of any operation of the plant not including shut-down and abnormal operation, unless additional definitions are agreed in writing with Natural Resources Wales

Table S1.4A Pre-operational measures		
Reference	Pre-operational measures	Status
PO1	The Operator shall submit a written report to Natural Resources Wales on the implementation of its Environmental Management System prior to commencement of activity AR1 (type S6.8 A1 (b))	Complete
PO2	The operator shall submit to Natural Resources Wales an updated site drainage plan, showing the as built site drainage and containment for all surface water and effluent drainage prior to commencement of activity type AR1 (S6.8 A1 (b))	Complete
PO3	The Operator shall install all noise abatement and mitigation measures proposed within document reference Maelor Foods Ltd. Second Sch 5 RESPONSE Final For Issue Ver 1.3, (dated 29/01/2024) prior to Phase 2 Operations Commencing. Upon completion of the work, a written report shall be submitted to Natural Resources Wales for approval.	
PO4	The operator shall submit for written approval a report by a qualified engineer (or equivalent) confirming that the proposed containment system has been constructed to the standards and descriptions provided in the documents reference: <ul style="list-style-type: none"> <li>• Response to Schedule 5 dated 15.11.2023 - WWTP bund &amp; site drainage 01122023;</li> <li>• Schedule 5 No2 Appendix 3 – proposed retaining wall plan – Ref 13483-001 – Rev F;</li> <li>• Schedule 5 No2 Appendix 4 – proposed retaining wall plan advising proposed storage Rev D; and</li> <li>• Schedule 5 No2 Appendix 2 - WWTP Phase 2 Layout Plan.</li> </ul> The report should reference the CIRIA 736 guidance. The operator shall submit the report to Natural Resources Wales for approval prior to Phase 2 Operations commencing.	
PO5	Prior to the commissioning of Phase 2 Operations, a written commissioning plan (including timelines for completion) shall be submitted to Natural Resources Wales (NRW) for approval. The commissioning plan shall include but not be restricted to: <ul style="list-style-type: none"> <li>• The timetable for the commissioning all new plant and ramp up of Phase 2 Operations;</li> <li>• The expected emissions to the environment during each of the stages of commissioning;</li> <li>• The mitigation measures that will be taken in respect of emissions to the environment during each stage;</li> <li>• The expected duration of commissioning activities;</li> <li>• Any additional (beyond that required by the Permit) monitoring to be undertaken.</li> </ul> Commissioning shall be carried out in accordance with the commissioning plan as approved.	



## Schedule 2 - Waste types, raw materials and fuels

**Table S2.1 Raw materials and fuels**

Raw materials and fuel description	Specification
None set	None Set

## Schedule 3 – Emissions and monitoring

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 as shown on site plan in Schedule 7	Boiler Plant, Rehema P200 series boiler exhausts Boiler No1 1.05 MWth input	No parameter set	No limit set	N/A	N/A	N/A
A2 as shown on site plan in Schedule 7	Boiler No2 1.05 MWth input	No parameter set	No limit set	N/A	N/A	N/A
A3 as shown on site plan in Schedule 7	Boiler No3 1.05MWth input	No parameter set	No limit set	N/A	N/A	N/A
A4 as shown on site plan in Schedule 7	Boiler No 4 (Aeroscalder 1) 380 kWth input	No parameter set	No limit set	N/A	N/A	N/A
A5 as shown on site plan in Schedule 7	Chemical scrubber No1	No parameter set	No limit set	N/A	N/A	N/A
A6 as shown on site plan in Schedule 7	Chemical scrubber No2	No parameter set	No limit set	N/A	N/A	N/A
A7 as shown on site plan in Schedule 7	Boiler No5 (Aeroscalder 2) 512 kWth input	No parameter set	No limit set	N/A	N/A	N/A
A8 as shown on site plan in Schedule 7	Wastewater treatment plant area scrubber	No parameter set	No limit set	N/A	N/A	N/A

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
High velocity roof fans outlets located on the lairage room roof	High velocity roof fans	No parameters set	No limit set	N/A	N/A	N/A
Exhaust fans outlet from live bird vehicle holding building	Building air	No parameters set	No limit set	N/A	N/A	N/A

**Table S3.2a Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements during Phase 1 Operations**

Emission point ref. & location	Source	Parameter	Limit (incl. unit) <sup>1</sup>	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to River Dee	Effluent Treatment Plant, treated effluent	Maximum daily volume	1,500 m <sup>3</sup> per day	Daily	Continuous flow monitoring	MCERTS
		Mean daily volume	1,200 m <sup>3</sup> per day	Per annum	Continuous flow monitoring	MCERTS
		Biological Oxygen Demand	20 mg/l	Flow proportional daily composite	Weekly	BS EN 1899-1
		Total suspended solids	30 mg/l			BS EN 872:2005
		Ammonia as N	5 mg/l			BS EN 11732:2005
		Phosphate as P	2.5 mg/l			BS EN ISO 15681-1:2004
		pH range minimum to maximum	6 to 9	Continuous	Continuous	MCERTS
		Temperature	30°C	Continuous	Continuous	Standard Temperature sensor
W2 on site plan in schedule 7 emission to drainage ditch, leading to River Dee	Uncontaminated surface water run off from clean yards and roofs	Visible oil and grease	None visible	Instantaneous	Weekly	Visual
		Visible oil and grease	None visible	Instantaneous	Weekly	Visual
W3 on site plan in schedule 7 emission to Drainage ditch, leading to River Dee	Uncontaminated surface water run off from clean yards and roofs	Visible oil and grease	None visible	Instantaneous	Weekly	Visual

1. Emission Limits set within Table S3.2a apply during Phase 1 Operations, which are limited to a processing capacity of up to 1 million birds per week. These ELVs will no longer apply once Phase 2 Operations commence.

**Table S3.2b Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements during Phase 2 Operations**

Emission point ref. & location	Source	Parameter	Limit (incl. unit) <sup>1</sup>	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to River Dee	Effluent Treatment Plant, treated effluent	Maximum daily volume	3,120m <sup>3</sup> per day	Daily	Continuous flow monitoring	MCERTS
		Mean daily volume	2,400m <sup>3</sup> per day	Per annum	Continuous flow monitoring	MCERTS
		Biological Oxygen Demand	10 mg/l	Flow proportional daily composite	Weekly	BS EN 1899-1
		Total suspended solids	15 mg/l			BS EN 872:2005
		Ammonia as N	2 mg/l			BS EN 11732:2005
		Phosphate as P	1 mg/l			BS EN ISO 15681-1:2004
		pH range minimum to maximum	6 to 9	Continuous	Continuous	MCERTS
		Temperature	30°C	Continuous	Continuous	Standard Temperature sensor
		Visible oil and grease	None visible	Instantaneous	Weekly	Visual
W2 on site plan in schedule 7 emission to drainage ditch, leading to River Dee	Uncontaminated surface water run off from clean yards and roofes	Visible oil and grease	None visible	Instantaneous	Weekly	Visual
W3 on site plan in schedule 7 emission to Drainage ditch, leading to River Dee	Uncontaminated surface water run off from clean yards and roofes	Visible oil and grease	None visible	Instantaneous	Weekly	Visual

1. Emission Limits set within Table S3.2b apply during Phase 2 Operations which are limited to a processing capacity of up to 2 million birds per week. These ELVs apply (Table S3.2b supersedes Table S3.2a) when the site throughput capacity is >1 million birds per week.

## Schedule 4 - Reporting

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

**Table S4.1 Reporting of monitoring data**

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.6.1	None	None	N/A
Emissions to water Parameters as required by condition 3.6.1	W1	Every 3 months	1 January

**Table S4.2: Annual production/treatment**

Parameter	Units
Number of chickens slaughtered per week	Number (maximum week in reporting year)
Chicken Products produced per week	Tonnes (maximum week in reporting year)

**Table S4.3 Performance parameters**

Parameter	Frequency of assessment	Units
Water usage per bird	Annually	Litres/bird
Energy usage per bird	Annually	KWh/Bird

**Table S4.4 Reporting forms**

Media/parameter	Reporting format	Date of form
Water	Form water 1 or other form as agreed in writing by Natural Resources Wales	16/07/24
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	29/08/17
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	29/08/17
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	29/08/17

# 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 Immediately**

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 immediately**

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

<b>(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:</b>	
<b>To be notified immediately</b>	
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.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* 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.

*“disposal”* means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

*“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.

*“quarterly”* for reporting/sampling means after/during each 3 month period, January to March; April to June; July to September and October to December and, when sampling, with at least 2 months between each sampling date.

*“recovery”* 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.

*“Routine steady operation”* means “normal operation” consists of any operation of the plant not including shut-down and abnormal operation, unless additional definitions are agreed in writing with Natural Resources Wales

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

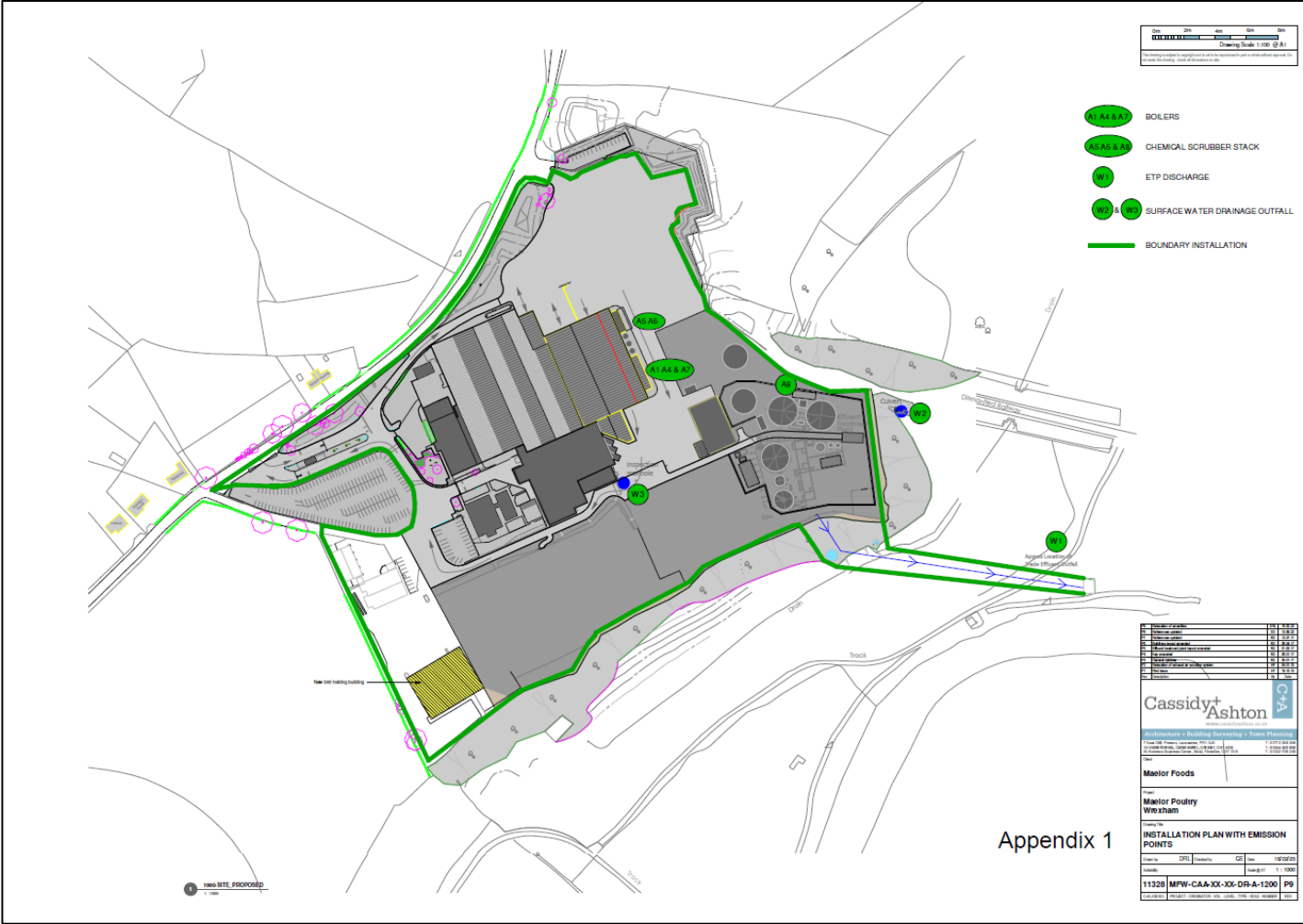
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

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

*“year”* means calendar year ending 31 December.

Schedule 7 - Site plan



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