

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2016**

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McCain Foods (G.B.) Limited

Whittlesey Foods Factory  
Funthams Lane  
Whittlesey  
Peterborough  
Cambridgeshire  
PE7 2PG

**Variation application number**

EPR/BO7724IV/V007

**Permit number**

EPR/BO7724IV

# Whittlesey Foods Factory

## Permit number EPR/BO7724IV

### 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. Only the variations specified in schedule 1 are subject to a right of appeal.

#### Variation

This variation permits:

The use of one new 7.6MWth natural gas fuelled boiler plant and two new 2.64MWth fryer condensers bringing the number of on-site fryer condensers to ten. As these additions bring the total thermal input to the site above 50MWth, a S1.1 activity has been included in the permit.

The use of new and repurposed containment tanks for the purpose of aiding effluent retention and treatment prior to effluent discharge from the on-site effluent treatment plant (ETP). These tanks consist of one new 9136m<sup>3</sup> above ground aeration tank, two new 35m<sup>3</sup> and 45m<sup>3</sup> chemical tanks, and three repurposed existing tanks. While the new aeration tank is adding additional effluent held on-site, the input flows and final effluent discharge remain unchanged.

An increase of production capacity of 45 tonnes per day bringing the new average daily tonnes of produced product for activity reference AR1 to 455 tonnes per day. The site itself has a theoretical production capacity of 800 tonnes per day. This increase is due to the additional boiler and other minor operational changes.

#### Operations

The installation is located in Funthams Road at national grid reference NGR TL2386097254, approximately 3km west of Whittlesey town centre. The site, having an average production capacity of 455 tonnes per day with a theoretical site maximum capacity of 800 tonnes per day, receives raw potatoes that are processed to produce partially fried potato chips, dehydrated potato flakes, microwave chips. The processing of potatoes consists of peeling, preheating, cutting, wet grinding, defect removal, blanching, drying, batter, frying, freezing, packing, storage, and dispatch of the final product.

The installation operates under the following Environmental Permitting Regulations 2016(EPR) sections:

*Section 6.8 Part A(1) (d) (ii) - 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) only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year;*

*Section 5.4 Part A1 (b) (i) - Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC - Biological treatment;*

*Section 1.1 Part A1 (a) – Burning any fuel in an appliance with a rated thermal input of 50 or more megawatts.*

Several air emission points are present on the site through which combustion gasses are released into the atmosphere from the operation of the medium combustion plants (MCPs) that have an aggregated capacity

of approximately 54.4 MWth, comprising of a combined heat and power (CHP) of 1.6 MWth fired on biogas from the on-site anaerobic digestion process, two boilers of 22.6 MWth each fired on 95% natural gas and 5% biogas from the on-site anaerobic digestion process, and one 7.6 MWth natural gas fired boiler.

Wastewater resulted from the production process and machinery cleaning, prior to discharge to Tidal River Nene via interceptor on emission point W1, is treated in the on-site biological effluent treatment plant (ETP) through anaerobic lagoon, activated sludge, sedimentation, and reverse osmosis. Run-off water from roofs and yards is collected in the site drainage system and processed in the ETP prior to discharge to River Nene via water discharge point W2.

There are three local wildlife sites, a special area of conservation (SAC) Orton Pit located at approximately 6500m and, a second SAC, Nene Washes, located at 850 meters that is also a special protection area (SPA), RAMSAR and site of special scientific interest (SSSI).

The operator has an EMS externally accredited to the ISO14001 standard.

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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application EPR/BO7724IV/A001	Received 28/01/2005	Application received for processing potatoes.
Request for information	17/06/2005	Response received 14/07/2005.
Request for information	08/09/2005	Response received 19/09/2005.
Permit determined	07/10/2005	Permit issued to McCain Foods (GB) Limited.
Application (variation) EPR/BO7724IV/V002	23/01/2007	Changing of fuel used in MCPs during times of abnormal operating conditions.
Variation determined	03/05/2007	--
Application (variation) EPR/BO7724IV/V003	15/09/2010	Correction of errors found in the previous variation, additional wording describing the RO plant.
Variation determined	23/09/2010	--
Agency variation determined EPR/BO7724IV/V004	06/08/2013	Agency led variation to implement changes introduced by IED.
Application EPR/BO7724IV/V005 (variation and consolidation)	Regulation 61 Notice response received 10/10/2022	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Request for information (dated 29/06/2023)	13/07/2023	Information provided regarding BATcs 1, 6, 7, 8, 9, 11, 12, 14, 27, EPL for wastewater discharge, waste treatment BATcs 15, 48, number of anaerobic tanks, flaring, biogas storage, MCPs capacity, SCR, cooling towers, ETP, product lines, distillate fuel oil, and air emission points A17 to A21.
Additional information (dated 18/07/2023)	25/07/2023	Additional information provided in relation to emissions of particulate matter, BATc 15(b), commissioning dates for Boilers 1 and 2, emergency boiler, and non-technical description.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Variation determined and consolidation issued EPR/BO7724IV	15/11/2023	Varied and consolidated permit issued in modern format.
Application EPR/BO7724IV/V006 (variation)	Received 05/04/2024	Application to add new 7.6MWth boiler and two 2.64MWth fryer condensers and updating the permit to include a S1.1 activity. Production capacity increase of 45 tonnes per day. Importation of effluent from off-site.
Variation returned	06/08/2024	Application returned as no payment received.
Application EPR/BO7724IV/V007 (variation and consolidation)	Duly made 27/09/2024	Application to add new 7.6MWth boiler and two 2.64MWth fryer condensers and updating the permit to include a S1.1 activity. Production capacity increase of 45 tonnes per day.
Additional information received	13/03/2025	New and repurposed tanks on-site to aid with process effluent buffer storage and treatment prior to discharge.
Request for further information dated 14/03/2025	28/03/2025	Information provided regarding containment, environmental risk assessment, BAT risk assessment, and chemical tanks.
Request for further information dated 24/06/2025	08/07/2025	Information provided regarding a revised air quality impact assessment and model input files.
Variation determined and consolidation issued EPR/BO7724IV	27/08/2025	Varied and consolidated permit issued in modern format

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/BO7724IV**

### Issued to

**McCain Foods (G.B.) Limited** (“the operator”)

whose registered office is

**Havers Hill  
Eastfield  
Scarborough  
N. Yorks.  
YO11 3BS**

company registration number 00733218

to operate a regulated facility at

**Whittlesey Foods Factory  
Funthams Lane  
Whittlesey  
Peterborough  
Cambridgeshire  
PE7 2PG**

to the extent set out in the schedules.

The notice shall take effect from 27/08/2025.

<b>Name</b>	<b>Date</b>
<b>Beccy Brough</b>	<b>27/08/2025</b>

Authorised on behalf of the Environment Agency

## Schedule 1

The following conditions were varied as a result of the application made by the operator:

- Condition 3.1.4 has been updated to include boiler 3 with associated monitoring and limits from date of permit issue.
- Condition 3.2.5 – condition related to DSEAR.
- Table S1.1, as referenced in conditions 2.1.1, 2.1.2, 2.1.4 and 3.1.4 has been updated to correct the site's theoretical maximum production capacity to 800 tonnes per day for activity reference AR1. AR3 has been updated to list all medium combustion plants (MCPs) under the Section 1.1 Part A(1)(a) activity which includes the new boiler 3. Additionally, AR12 has been included for the use of fryer condensers of which two 2.64MWth (each) have been included as part of this variation bringing the total fryer condensers to ten. Additionally, AR2 has been updated regarding 'R3'.
- Table S1.2, as referenced in conditions 2.3.1 and 2.3.2 has been updated to include the operating techniques employed to support the changes introduced by this variation.
- Table S1.3, as reference in condition 2.4.1 has been updated to remove completed improvement conditions.
- Table S3.1, as reference in conditions 3.1.1, 3.5.1(a) and 3.5.4 has been updated to include emission source point to air A26 for boiler 3 and A27-A28 for the two new fryer condensers. A4 in relation to AR3 and AR10 has been updated to include emergency flare parameters with associated monitoring and limits.
- Table S3.4, as referenced in condition 3.5.1(b) has been updated to include emission point reference or source or description of point of measurement for Digester feed (digestion process), Digestate batch, Digester(s), Diffuse emissions, and Meteorological conditions.
- Table S4.1, as referenced in conditions 4.2.3(a) and 4.2.3(b) has been updated to include emission/monitoring references boiler 3 and A26. Additionally, process monitoring for pressure relief systems have been included and the reporting period for 'process monitoring – leak detection and repair' has been updated.
- Table S4.2, as referenced in condition 4.2.2(b) has been updated to include additional parameters.
- Schedule 6, as referenced in condition 4.4.1 has been updated to include interpretations for anaerobic digestion, channelled emissions, diffuse emissions, digestate, and VOC.

## Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/BO7724IV**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BO7724IV/V007 authorising,

**McCain Foods (G.B.) Limited** (“the operator”),

whose registered office is

**Havers Hill  
Eastfield  
Scarborough  
N. Yorks.  
YO11 3BS**

company registration number 00733218

to operate an installation at

**Whittlesey Foods Factory  
Funthams Lane  
Whittlesey  
Peterborough  
Cambridgeshire  
PE7 2PG**

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

Name	Date
Beccy Brough	27/08/2025

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

### 1.2 Energy efficiency

1.2.1 The operator shall:

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

### 1.3 Efficient use of raw materials

1.3.1 The operator shall:

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

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



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

## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 For the following activities referenced in schedule 1, table S1.1 (AR3) the activity shall be undertaken in accordance with best available techniques.
- 2.1.3 All process plant and equipment shall be commissioned, operated and maintained and shall be fully documented and recorded in accordance with the manufacturer’s recommendations.
- 2.1.4 For the following activities referenced in schedule 1, table S1.1 (AR3), waste authorised by this permit shall be clearly distinguished from any other waste on the site.

### **2.2 The site**

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

### **2.3 Operating techniques**

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

### **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, 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.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR3) the first monitoring measurements shall be carried out within four months of 01/01/2025 (Boiler 1 - A1 and Boiler 2 - A2), 01/01/2030 (CHP - A3), date of permit issue (Boiler 3 - A26) or of the date when the MCP is first put into operation, whichever is later.

### **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour but including ammonia) 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.
- 3.2.4 The operator shall implement a leak detection and repair (LDAR) programme to detect and mitigate the release of volatile organic compounds, including methane from diffuse sources.
- 3.2.5 The Operator shall undertake a DSEAR assessment and maintain an accident management plan.

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.4 Noise and vibration**

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
  - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
  - (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
  - (b) Process monitoring specified in table 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 Following the detection of an issue listed in condition 4.3.1, the operator shall review and revise the management system and implement any changes as necessary to minimise the risk of re-occurrence of the issue.

4.3.4 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.

4.3.5 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.

4.3.6 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.

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

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

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

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

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

## **4.4 Interpretation**

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

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

# Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity and waste types
AR1	Section 6.8 Part A1 (d) (ii)	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) (ii) only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year.	From receipt of potatoes delivered to the site to the dispatch of partially fried potato chips, dehydrated potato flakes, microwave chips, and doughnuts.  Production capacity is limited to 800 tonnes per day.
AR2	Section 5.4 Part A1 (b) (i)	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC - biological treatment. R3: Recycling/reclamation of organic substances which are not used as solvents.	From generation of waste water to discharge to Tidal River Nene following the treatment of wastewater through anaerobic digestion in covered lagoon, activated sludge, sedimentation, and reverse osmosis.  Anaerobic digestion of waste in one tank followed by burning of biogas produced from the process.
AR3	Section 1.1 Part A(1)(a)	Burning any fuel in an appliance with an aggregated rated thermal input of 50 megawatts or more. Medium Combustion plants: Boiler 1: 22.6 MWth 95% natural gas and 5 biogas fired. Boiler 2: 22.6 MWth 95% natural gas and 5 biogas	From the receipt of fuel to the use of steam and electricity in all listed activities and directly associated activities, the export of steam and electricity to other processes on the site, the export of electricity to the National Grid, the discharge of emissions to air and the disposal of waste arising.

		fired. Boiler 3: 7.6MWth natural gas fired. Gas engine: 1.6 MWth biogas fired.	
<b>Directly Associated Activity</b>			
AR4	Raw material storage and handling	Storage and handling of raw materials at the installation.	From receipt of raw materials to dispatch of final product.
AR5	Use of refrigerants	Use of refrigerants in cooling, chilling and/or freezing systems at the installation.	From receipt of raw materials to dispatch of final product.
AR6	Storage and use of chemicals and oils	Storage and use of chemicals and oils at the installation.	From receipt of chemicals and oils to disposal of wastes arising.
AR7	Waste storage and handling	Storage and handling of waste materials.	From generation of waste to storage pending removal for disposal or recovery.
AR8	Process cooling waters	Operation of seven cooling towers.	From operation of cooling towers, including chemical dosing.
AR9	Surface water drainage	Collection of uncontaminated site surface waters.	Handling and storage of site drainage until discharge to the site surface water system leading to the ETP for treatment prior to discharge to Tidal River Nene.
AR10	Emergency flare operation	Incineration on land.	Undertaken in relation to Activity AR3.  From the receipt of biogas produced at the on-site anaerobic digestion process to incineration with the release of combustion gases.  Use of one auxiliary flare required only during periods of breakdown or maintenance of the CHP engine, and/or auxiliary boiler.



A11	Gas storage	R13: Storage of waste pending any of the operations numbered AR2, AR3 and AR10, (R1 to R12) (excluding temporary storage, pending collection, on the site where it is produced.)	Undertaken in relation to Activity AR2. Storage of biogas produced from on-site anaerobic digestion of permitted waste in roof space of digester(s). From the receipt of biogas produced at the on-site anaerobic digestion process to dispatch for use within the facility.
AR12	Use of fryer condensers	x10 natural gas fired fryer condensers.	From receipt of fuel to release of products of combustion to air.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Regulation 61 (1) Notice – Responses to questions dated 09/06/2022	All parts	10/10/2022
Request for further information dated 29/06/2023	Information provided regarding BATcs 1, 6, 7, 8, 9, 11, 12, 14, 27, EPL for wastewater discharge, waste treatment BATcs 15, 48, number of anaerobic tanks, flaring, biogas storage, MCPs capacity, SCR, cooling towers, ETP, product lines, distillate fuel oil, and air emission points A17 to A21.	13/07/2023
Additional information dated 18/07/2023	Additional information provided in relation to emissions of particulate matter, BATc 15(b), commissioning dates for Boilers 1 and 2, emergency boiler, and non-technical description.	25/07/2023
	Site plan	10/11/2023
Additional information	Information provided regarding new and repurposed tanks on-site to aid with process effluent buffer storage and treatment prior to discharge.	13/03/2025
Request for further information dated 14/03/2025	Information provided regarding containment, environmental risk assessment, BAT risk assessment, and chemical tanks.	28/03/2025
Request for further information dated 24/04/2025	Information provided regarding a revised air quality impact assessment and model input files.	08/07/2025

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC11	<p>The operator shall submit, for approval by Environment Agency, a report setting out progress to achieving the 'Narrative' BAT where BAT is currently not achieved, but will be achieved before 4 December 2023. The report shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> <li>1) Methodology for achieving BAT</li> <li>2) Associated targets /timelines for reaching compliance by 4 December 2023.</li> <li>3) Associated targets/timelines, if applicable, for reaching compliance by 4 December 2023.</li> </ol> <p>The report shall address the BAT Conclusions for Food, Drink and Milk Industries with respect to BAT 4, 6, and EPL.</p> <p>Refer to BAT Conclusions for a full description of the BAT requirement.</p>	04/12/2023
IC12	<p>The operator shall use refrigerants without ozone depletion potential and with a low global warming potential (GWP) in accordance with BAT 9 from the Food, Drink and Milk Industries BATCs.</p> <p>To demonstrate compliance against BAT 9, the operator shall develop a replacement plan for the refrigerant system(s) at the installation. This shall be incorporated within the existing environmental management system by the specified date.</p> <p>The plan should include, but not be limited to, the following:</p> <ul style="list-style-type: none"> <li>• Where practicable, retro filling systems containing high GWP refrigerants e.g. R-404A with lower GWP alternatives as soon as possible.</li> <li>• An action log with timescales, for replacement of end-of-life equipment using refrigerants with the lowest practicable GWP.</li> </ul>	04/12/2023
IC13	<p>The operator shall submit, for approval by the Environment Agency, a report setting out progress to achieving the Best Available Techniques Conclusion Associated Emission Levels (BAT-AELs) where BAT is currently not achieved, but will be achieved before 4 December 2023. The report shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> <li>1) Current performance against the BAT-AELs.</li> <li>2) Methodology for reaching the BAT-AELs.</li> <li>3) Associated targets /timelines for reaching compliance by 4 December 2023.</li> <li>4) Any alterations to the initial plan (in progress reports).</li> </ol> <p>The report shall address the BAT Conclusions for Food, Drink and Milk industries with respect to the following:</p> <p>BAT 12 Table 1 (compliance with BAT-AELs for direct discharges to a receiving water body)</p>	04/12/2023

IC14	<p>Environment Agency, a report setting out progress to achieving the Environmental Performance Levels (EPLs) for specific water consumption, where the EPL is not currently achieved.</p> <p>The report shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> <li>1) Methodology for achieving EPL in accordance with general techniques given in section 1.4 of the BAT conclusions</li> <li>2) Associated targets /timelines for reaching compliance by 4 December 2023, or any other date as agreed in writing by the Environment Agency.</li> </ol> <p>The report shall address the BAT Conclusions for Food, Drink and Milk Industries with respect to sections 1.4 and 2.2 of the BAT conclusions. Refer to BAT Conclusions for a full description of the requirements.</p>	04/12/2023
IC15	<p>The Operator shall carry out an assessment of the options available for the management of biogas resulted from the anaerobic digester. A written report summarising the findings shall be submitted to the Environment Agency, along with a timetable for implementing improvements that shall be agreed in writing with the Environment Agency prior to implementation.</p>	04/12/2023
IC16	<p>The operator shall submit to the Environment Agency for approval a risk assessment considering the possibility of soil and groundwater contamination at the installation where the activity involves the use, production or release of a hazardous substances (as defined in Article 3 of Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures).</p> <p>A stage 1-3 assessment should be completed (as detailed within the EC Commission Guidance 2014/C 136/-3) as follows;</p> <p>Stage 1 – Identify hazardous substance(s) used / stored on site.</p> <p>Stage 2 – Identify if the hazardous substance(s) are capable of causing pollution. If they are capable of causing pollution, they are then termed Relevant Hazardous Substances (RHS).</p> <p>Stage 3 – Identify if pollution prevention measures &amp; drains are fit for purpose in areas where hazardous substances are used / stored.</p> <p>If the outcomes of Stage 3 identifies that pollution of soil / ground water to be possible. The operator shall produce and submit a monitoring plan to the Environment Agency for approval detailing how the substance(s) will be monitored to demonstrate no pollution. The operator shall commence monitoring of the RHS within a timescale as agreed by the Environment Agency.</p>	12 months from permit issue (EPR/BO772 4IV/V005) or other date as agreed in writing with the Environment Agency
IC17	<p>The operator shall produce a climate change adaptation plan. The approved plan will form part of the EMS.</p> <p>The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• Details of how the installation has or could be affected by severe weather;</li> <li>• The scale of the impact of severe weather on the operations within the installation;</li> <li>• An action plan and timetable for any improvements to be made to minimise the impact of severe weather at the installation.</li> </ul> <p>The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.</p>	12 months from permit issue (EPR/BO772 4IV/V005) or other date as agreed in writing with the Environment Agency
IC18	<p>The Operator shall undertake a programme of improvements to ensure that the relevant BAT-AEL “concentration in volume” limit of 125 mg/l for COD, 50 mg/l for TSS, 20 mg/l for TN, and 5 mg/l for TP can be achieved, with the mass emission limit in place as an interim measure.</p> <p>The Operator shall submit a written report to the Environment Agency to demonstrate the feasibility of achieving the BAT-AEL.</p>	24 months from permit issue (EPR/BO772 4IV/V005)
<b>Improvement condition to address methane slip emissions from gas engines burning biogas</b>		

IC20	<p>The operator shall establish the methane emissions in the exhaust gas from engines burning biogas and compare these to the manufacturer's specification and benchmark levels agreed in writing with the Environment Agency. The operator shall, as part of the methane leak detection and repair (LDAR) programme, develop proposals to assess the potential for methane slip and take corrective actions where emissions above the manufacturer's specification or appropriate benchmark levels are identified.</p>	<p>12 months from permit issue (EPR/BO772 4IV/V005) or other date as agreed in writing with the Environment Agency</p>
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## Schedule 2 – Waste types, raw materials and fuels

<b>Table S2.1 Raw materials and fuels</b>	
<b>Raw materials and fuel description</b>	<b>Specification</b>
Distillate fuel oil limited to 45 days per year, unless otherwise agreed in writing with the Environment Agency	Less than 0.1% w/w sulphur content.

## Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	Boiler 1 Plant 22.6 MWth Natural and biogas fired	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	200 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No limit [Note 1]	Periodic	Every three years	BS EN15058
		Sulphur dioxide (SO <sub>2</sub> )	170 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14791
A2 [Point A2 on site plan in Schedule 7]	Boiler 2 Plant 22.6 MWth Natural and biogas fired	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	200 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No limit [Note 1]	Periodic	Every three years	BS EN15058
		Sulphur dioxide (SO <sub>2</sub> )	170 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14791
A3 [Point A3 on site plan in Schedule 7]	Gas engine 1.6 MWth Biogas fired	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	190 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No limit [Note 1]	Periodic	Every three years	BS EN 15058
		Sulphur dioxide (SO <sub>2</sub> )	60 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14791
A4 [Point A4 on site plan in Schedule 7]	Biogas emergency ground flare stack	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	150 mg/m <sup>3</sup>	Average over sampling period	[Note 2]	BS EN 14792

		Carbon monoxide	50 mg/m <sup>3</sup>			BS EN 15058
		Total VOCs	10 mg/m <sup>3</sup>			BS EN 12619:2013
A5 to A12 [Point A5 to A12 on site plan in Schedule 7]	Fryer / defatter exhaust vents	No parameter set	No limit set	--	--	--
A13 to A15 [Point A13 to A15 on site plan in Schedule 7]	Peeler / flake canopy exhaust vents	No parameter set	No limit set	--	--	--
A16 [Point A16 on site plan in Schedule 7]	ERS exhaust fan	No parameter set	No limit set	--	--	--
A17 to A21 [Point A17 to A21 on site plan in Schedule 7]	Dryer exhaust vents	No parameter set	No limit set	--	--	--
A22 to A25 [Point A22 to A25 on site plan in Schedule 7]	Flake drum exhaust vents	No parameter set	No limit set	--	--	--
A26 [Point A26 on site plan in Schedule 7]	Boiler 3 Plant 7.6 MWth Natural gas and biogas fired	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	200 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No limit [Note 1]	Periodic	Every three years	BS EN 15058
		Sulphur dioxide (SO <sub>2</sub> )	100 mg/m <sup>3</sup> [Note 1]	Periodic	Every three years	BS EN 14791
A27 – A28	Fryer condensers	No parameter set	No limit set	--	--	--

Note 1: This emission limit and/or monitoring requirement applies as outlined in condition 3.1.4, unless otherwise advised by the Environment Agency.

Note 2: Following commissioning, monitoring to be undertaken in the event the emergency flare has been operational for more than 10 per cent of a year (876 hours). Record of operating hours to be submitted annually to the Environment Agency.

**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
W1 on site plan in schedule 7 emission to Tidal River Nene	Effluent treatment plant	Total daily volume of discharge	4000 m <sup>3</sup> /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
			200 m <sup>3</sup> /hour peak hourly flow	Hourly		
		Biochemical Oxygen Demand (BOD)	50 mg/l	Average	Weekly	EN 1899-1
		Chemical Oxygen Demand (COD)	480 kg/day [Note 1]	24-hour flow proportional sample	Daily	As agreed in writing by the Environment Agency
			125 mg/l [Note 2]			
		Total suspended solids (TSS)	200 kg/day [Note 1] 50 mg/l [Note 2]	24-hour flow proportional sample	Daily	BS EN 872
		Total Nitrogen (TN)	80 kg/day [Note 1]	24-hour flow proportional sample	Daily	EN 12260, EN ISO 11905-1.
			20 mg/l [Note 2]			
		Ammoniacal nitrogen	40 mg/l [Note 3]	Weekly spot	Weekly	ISO 7150-2 1986
Total Phosphorus (TP)	20 kg/day [Note 1]	24-hour flow proportional sample	Daily	EN ISO 6878, EN ISO 15681-1 and -2, ENISO 11885.		
	5 mg/l [Note 2]					
pH	6 – 9	Daily spot sample	Daily	--		
W1 on site plan in schedule 7 emission to Tidal River Nene	Surface water run-off via ETP	No parameter set	No limit set	--	--	--



Note 1: The mass emission limit applies until completion of IC18, unless otherwise advised by the Environment Agency.

Note 2: This emission limit applies from completion of IC18, unless otherwise advised by the Environment Agency.

Note 3: This emission limit and monitoring requirement applies until completion of IC18, unless otherwise advised by the Environment Agency.

<b>Table S3.3 Process monitoring requirements</b>				
<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Digester feed (digestion process)	pH	As described in site operating techniques	As described in site operating techniques	Process monitoring to be recorded using a SCADA system where relevant.
	Alkalinity			
	Temperature			
	Hydraulic loading rate			
	Volatile fatty acids concentration			
	Ammonia			
	Liquid / foam level			
Biogas in digester	Flow	Continuous	In accordance with EU weights and measures Regulations	Process monitoring to be recorded using a SCADA system where relevant.  Gas monitors to be calibrated every 6 months or in accordance with the manufacturer's recommendations
	Methane	Continuous	None specified	
	CO <sub>2</sub>	Continuous	None specified	
	O <sub>2</sub>	Continuous	None specified	
	Hydrogen sulphide	Daily	None specified	
	Pressure	Continuous	None specified	
Digestate batch	Volatile fatty acids concentration	One sample at the end of each batch (hydraulic retention time) cycle.	As described in site operating techniques	--
	Ammonia			
Digester(s) and storage tank(s)	Integrity checks	Weekly	Visual assessment	In accordance with design specification and tank integrity checks.

Diffuse emissions from all sources identified in the Leak Detection and Repair (LDAR) programme	VOCs including methane	Every 6 months or otherwise agreed in accordance with the LDAR programme	BS EN 15446  In accordance with the LDAR programme	Monitoring points as specified in a DSEAR risk assessment and LDAR programme.  Limit as agreed with the Environment Agency as a percentage of the overall gas production.
Digester(s)	Agitation /mixing	Continuous	Systems controls	Records maintained in daily operational records.
	Tank capacity and sediment assessment	Once every 5 years from date of commission	Non-destructive pressure testing integrity assessment every 5 years or as specified by manufacturers technical specification	In accordance with design specification and tank integrity checks.
Diffuse emissions from all sources identified in the Leak Detection and Repair (LDAR) programme	VOCs including methane	Every 6 months or otherwise agreed in accordance with the LDAR programme	BS EN 15446  In accordance with the LDAR programme	Monitoring points as specified in a DSEAR risk assessment and LDAR programme.  Limit as agreed with the Environment Agency as a percentage of the overall gas production.
Meteorological conditions	Wind speed, air temperature, wind direction	Continuous	Method as specified in management system	Conditions to be recorded in operational diary and records.  Equipment shall be calibrated on a 4 monthly basis, in accordance with manufacturer's recommendations or as agreed in writing by the Environment Agency.
Emergency flare	Operating hours	Continuous	Recorded duration and frequency.  Recording using a SCADA system or similar system	Date, time and duration of use of auxiliary flare shall be recorded.
	Quantity of gas sent to emergency flare			Quantity can be estimated from gas flow composition, heat content, ratio of assistance, velocity, purge gas flow rate, pollutant emissions.

Pressure relief valves and vacuum systems	Gas pressure	Continuous	Recording using a SCADA system	Continuous gas pressure shall be monitored.
	Re-seating	Weekly inspection	Visual	Operator must ensure that valves are re-seated after release in accordance with the manufacturer's design.
	Inspection, maintenance, calibration, repair and validation	Following foaming or overtopping or at 3 yearly intervals whichever is sooner	Written scheme of examination in accordance with condition 1.1.1	After a foaming event or sticking, build-up of debris, obstructions or damage, Operator must ensure that pressure relief valve function remains within designed gas pressure in accordance with the manufacturer's design by suitably trained and qualified personnel.
	Inspection, calibration and validation report	In accordance with design and construction specifications or after over topping or foaming event	Written scheme of examination in accordance with condition 1.1.1	Operator must ensure that valves are re-seated after release, after a foaming event or sticking, build-up of debris, obstructions or damage.
				Operator must ensure that PRV function remains within designed operation gas pressure in accordance with the manufacturer's design by suitably trained/qualified personnel.  Inspection, calibration and validation report. In accordance with industry Approved Code of Practice
Storage lagoons and storage tanks	Volume	Daily	Visual or flow metre measurement	750 mm freeboard must be maintained for storage lagoons.  Records of volume must be maintained.

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Point source emissions to air Parameters as required by condition 3.5.1	<b>From 01/01/2025</b> Boilers 1, 2 and 3, A1, A2 and A26	First monitoring undertaken in accordance with Condition 3.1.4 to be reported within 3 months, and then every 3 years thereafter.	From first monitoring requirements in accordance with Condition 3.1.4
	<b>From 01/01/2030</b> Gas engine A3		
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	W1	Quarterly	1 January, 1 April, 1 July & 1 October
Process monitoring – digester tank integrity Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.3	Every 5 years from the date of commissioning or as per the manufacturer's recommendation, whichever is sooner	1 January
Process monitoring – under and over pressure relief systems Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.3	Every 12 months Yearly summary report of over-pressure and under-pressure events detailing mass balance release	1 January
Process monitoring – pressure relief systems (inspection, calibration and maintenance) Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.3	Every 3 years	1 January
Process monitoring – leak detection and repair (inspection, calibration and maintenance) Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.3	Every 12 months LDAR report to be submitted annually	1 January
Process monitoring – use of emergency flare Parameters as required by condition 3.5.1	As specified in schedule 3 table S3.3	Every 12 months	1 January

<b>Table S4.2: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Chips	tonnes
Dehydrated potato flakes	tonnes
Microwave chips	tonnes
Refrigerated chips	tonnes
Electricity generated	MWh
CO2 generated	tonnes or m3
Whole digestate	m3
Liquid digestate	tonnes
Solid digestate	tonnes or m3

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Water usage	Annually	m <sup>3</sup>
Energy usage	Annually	MWh
Waste	Annually	tonnes
Food waste	Annually	Tonnes
Emergency flare operation	Annually	hours
Electricity exported	Annually	MWh
Biomethane exported	Annually	tonnes or m <sup>3</sup>
CHP engine usage	Annually	hours
CHP engine efficiency	Annually	%

<b>Table S4.4 Reporting forms</b>		
<b>Parameter</b>	<b>Reporting form</b>	<b>Form version number and date</b>
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Point source emissions to water (other than sewer)	Emissions to Water Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Process monitoring	Form process 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Food Waste	Food waste Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1 06/02/2023
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

# 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	

<b>(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</b>	
<b>To be notified within 24 hours of detection</b>	
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>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Measures taken, or intended to be taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the breach of permit conditions not related to limits</b>	
<b>To be notified within 24 hours of detection</b>	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

<b>(d) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</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.	

Name*	
Post	
Signature	
Date	

\* authorised to sign on behalf of the operator



## Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“anaerobic digestion” means a process of controlled decomposition of biodegradable materials under managed conditions where free oxygen is absent, at temperatures suitable for naturally occurring mesophilic or thermophilic anaerobes and facultative anaerobe bacteria species, which convert the inputs to a methane-rich biogas and whole digestate.

“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.

“average over the sampling period” means the average value of three consecutive measurements of at least 30 minutes each, unless otherwise stated, as defined in the General Considerations section of the Food, Drink & Milk Industries BAT Conclusions. For batch processes, the average of a representative number of measurements taken over the total batch time or the result of a measurement carried out over the total batch time can be used

“channelled emissions” means the emissions of pollutants into the environment through any kind of duct, pipe, stack, etc. This also includes emissions from open top biofilters.

“diffuse emissions” mean non-channelled emissions (e.g. of dust, organic compounds, odour) which can result in ‘area’ sources (e.g. tanks) or ‘point’ sources (e.g. pipe flanges). This also includes emissions from open-air windrow composting.

“digestate” means material resulting from an anaerobic digestion process.

“emissions to land” includes emissions to groundwater.

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

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

“Food waste” reporting: Reporting of food waste to use a methodology such as the global Food Loss and Waste Accounting and Reporting Standard (FLW standard) , WRAP’s Target Measure Act initiative or similar.

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Leak detection and repair (LDAR) programme” means a structured approach to reduce fugitive emissions of organic compounds by detection and subsequent repair or replacement of leaking components. Currently, sniffing (described by EN 15446) and optical gas imaging methods are available for the identification of leaks as set out in BAT 14 and section 6.6.2 of the Waste Treatment BAT Conclusions.

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

“Medium Combustion Plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW. An “existing medium combustion plant” is combustion plant operating before 20 December 2018.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion

plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Pests” means Birds, Vermin and Insects.

“VOC” means Volatile organic compounds as defined in Article 3(45) of Directive 2010/75/EU – ‘volatile organic compound’ means any organic compound as well as the fraction of creosote, having at 293.15K a vapour pressure of 0.01 kPa or more, or having a corresponding volatility under the particular conditions of use.

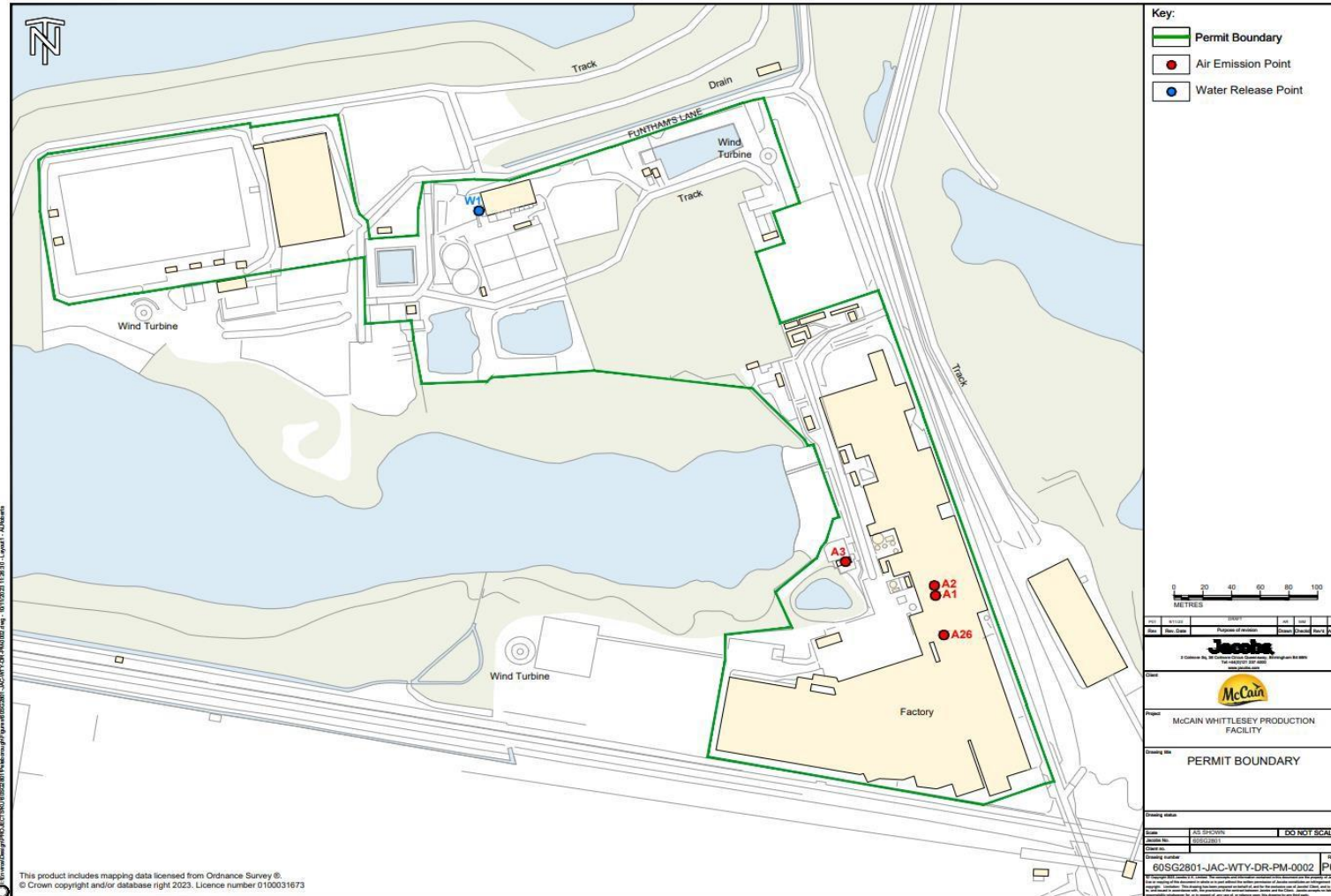
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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 other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan



END OF PERMIT

Permit number  
 EPR/BO7724IV