

# Notice of variation and consolidation with introductory note

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

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Premier Foods Group Limited

Ambrosia Creamery  
Station Road  
Lifton  
Devon  
PL16 0BB

**Variation application number**

EPR/EP3334KC/V005

**Permit number**

EPR/EP3334KC

# Ambrosia Creamery

## Permit number EPR/EP3334KC

### Introductory note

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

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

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

This consolidated permit has been issued following a full review against the best available techniques (BAT) conclusions for the Food, Drink and Milk Industries published on 4<sup>th</sup> December 2019 in the official journal of the European Union.

The schedules specify the changes made to the permit.

Ambrosia Creamery produces and packages custard, semolina, rice pudding and pot desserts prepared in both bulk and individual portions. The installation comprises of the following milk reception, production area, packing lines, tank room, workshop maintenance, macaroni and rice store, finished goods warehouse, cooling towers, chemical storage, gas oil (kerosene) storage and boiler house, waste aggregation and the onsite effluent treatment plant which discharges to the River Lyd.

Milk and cream are delivered to Milk Reception and stored in the Tank Room, there are two silos for sugar and starch. Minor ingredients such as buttermilk powder, flavourings, rice, fruit, flavourings and essence are measured in the Dispensary. Batching takes place at batching stations within the main production building. Filling and packing of the products also takes place in the main production building before being transported to the loading bay for dispatch carried out by a third party haulage company.

The site operates 24 hours a day 6 days a week, but has the ability to operate 7 days a week if required. Every year, the site shuts down for three periods of 10 days each in order for engineering, maintenance and deep cleaning.

The daily processing capacity is 420,000 litres a day.

The Environmental Permit is for the main listed activity falling under Section 6.8 Part A1 (e) *Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis)*.

The main emissions to air are from the three on site boilers, boiler 1 has a thermal input of 8.68 MWth and is operated on gas oil (kerosene) and provides back up to boilers 2 and 3. Boilers 2 and 3 both have a thermal input of 8.73 MWth and operate on natural gas but have the ability to run on gas oil should there be an interruption of the gas supply or for maintenance purposes. When operating on gas oil the boilers are limited to 500 hours/year. The boilers are considered to be existing under the Medium Combustion Directive (MCPD). The limits and monitoring requirements for the boilers have been retained under variation (EPR/EP3334KC/V004).

The emissions to water are the discharge of treated process effluent from the onsite effluent treatment plant to the River Lyd (W3). Sludges from the effluent treatment plant are dewatered via the sludge press and removed from site for further treatment and disposal. Clean, uncontaminated surface water originating from roofs and yard areas is discharged to River Lyd (W1). Cooling water from the onsite cooling towers is discharged to the River Lyd (W2). There are two discharges to the foul sewer, emissions from S1 consist of domestic effluent from the onsite training room as such don't form part of the permit. Emissions from S2 consist of the boiler fuel residue when the boilers are operated on gas oil. The site has a separate

abstraction license for the use in the onsite cooling towers. The abstracted water is treated and chlorinated before use and dosed with sodium thiosulphate prior to discharge to the River Lyd.

The installation is located west of the village Lifton, in west Devon and centred on National Grid Reference SX 39660 85045. The town of Launceston is approximately 6.4km to the west of the installation. The site is surrounded by rural/agricultural land to the east and south with the nearest residential properties located on the northern boundary of the site.

There are no European protection sites or Sites of Special Scientific Interest (SSSI) within 10km of the installation boundary. There are two Local Wildlife Sites and four Ancient Woodlands within 2km of the installation boundary.

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/EP3334KC/A001	Duly made 29/01/2010	Application received for the treatment and processing of milk
Additional information received	11/06/2010	
Additional information received	30/07/2010	
Permit determined	07/10/2010	Permit issued to Premier Foods Group Limited
Environment Agency initiated variation EPR/EP3334KC/V002	19/09/2011	Agency variation to amend the reporting period for emissions to water from 12 months to every 3 months
Variation determined EPR/EP3334KC/V002	19/10/2011	Varied permit issued
Agency variation determined EPR/EP3334KC/V003	14/02/2014	Agency variation to implement the changes introduced by IED
Application variation EPR/EP3334KC/V004	Duly made 02/02/2018	Application to replace the burners in the existing boilers with an associated change in fuel use; two boilers will run on natural gas, while the remaining two will run on kerosene
Additional information received	20/04/2018	Detailed modelling of emissions to air received
Additional information received	15/05/2018	Details on operating techniques of the boilers, the BAT assessment and abatement measures
Variation determined EPR/EP3334KC/V004	03/07/2018	Varied permit issued
Application EPR/EP3334KC/V005 (variation and consolidation)	Regulation 61 Notice response received 09/08/2022	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Request for further information dated 23/01/2023	09/02/2023	Further information provided regarding the following BATc: 6, 9, 11, 12, 14, 21-23 and the completion of the Relative Hazardous Substances Assessment.
Variation determined and consolidation issued EPR/EP3334KC (Billing ref. HP3620PW).	11/09/2023	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/EP3334KC

### Issued to

**Premier Foods Group Limited** (“the operator”)

whose registered office is

**Premier House  
Centrium Business Park  
Griffiths Way  
St. Albans  
Hertfordshire  
AL1 2RE**

company registration number 00281728

to operate a regulated facility at

**Ambrosia Creamery  
Station Road  
Lifton  
Devon  
PL16 0BB**

to the extent set out in the schedules.

The notice shall take effect from 11/09/2023

Name	Date
Rebecca Brough	11/09/2023

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

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

### Permit number

**EPR/EP3334KC**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/EP3334KC/V005 authorising,

**Premier Foods Group Limited** (“the operator”),

whose registered office is

**Premier House  
Centrium Business Park  
Griffiths Way  
St. Albans  
Hertfordshire  
AL1 2RE**

company registration number 00281728

to operate an installation at

**Ambrosia Creamery  
Station Road  
Lifton  
Devon  
PL16 0BB**

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

Name	Date
Rebecca Brough	11/09/2023

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

### 1.2 Energy efficiency

1.2.1 The operator shall:

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

### 1.3 Efficient use of raw materials

1.3.1 The operator shall:

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

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

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

## **2 Operations**

### **2.1 Permitted activities**

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

### **2.2 The site**

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

### **2.3 Operating techniques**

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **2.4 Improvement programme**

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

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



## **3 Emissions and monitoring**

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

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

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

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

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 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.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

### **3.6 Pests**

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
  - (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
  - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **4 Information**

### **4.1 Records**

- 4.1.1 All records required to be made by this permit shall:
  - (a) be legible;
  - (b) be made as soon as reasonably practicable;
  - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
  - (i) off-site environmental effects; and
  - (ii) matters which affect the condition of the land and groundwater.

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

## 4.2 Reporting

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

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

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

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

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

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

## 4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
  - (i) inform the Environment Agency,
  - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
  - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

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

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

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

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

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

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## 4.4 Interpretation

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

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

# Schedule 1 – Operations

<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	Section 6.8 Part A1 (e)	Treating and processing milk with the quantity of milk received being more than 200 tonnes per day (average value on annual basis)	From receipt of raw milk delivered to the site to the dispatch of custard, semolina, rice pudding and pot deserts  Treatment capacity is limited to 420,000 litres of milk/day
AR2	Section 5.4 Part A(1) (a) (i)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment	Treatment of trade effluent within the onsite effluent treatment plant, from generation of effluents to discharge to River Lyd  Effluent treatment plant – treatment of waste process waters by physical screening (<1mm), dissolved air flotation (DAF) and chemical dosing (coagulant, pH balancing and flocculation), biological treatment including settlement, aeration and final settlement.
<b>Directly Associated Activity</b>			
AR3	Steam supply	Medium Combustion plants: <ul style="list-style-type: none"> <li>Boiler 1 – 8.68 MWth fired on gas oil (kerosene)</li> <li>Boiler 2 – 8.73 MWth dual fuel boiler fired on natural gas with gas oil (kerosene) used as a back-up fuel.</li> <li>Boiler 3 – 8.73 MWth dual fuel boiler fired on natural gas with gas oil (kerosene) used as a back-up fuel.</li> </ul>	From receipt of fuel to release of products of combustion to air.  Boiler 1 is a back up to boilers 2 & 3  Boilers 2 & 3 are permitted to fire on gas oil if there is a disruption in the natural gas network or for maintenance purposes only, the operation of gas oil is limited to 500 hours/year.
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.

<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>
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 two cooling towers	From operation of cooling towers, including the chemical dosing of the abstracted water and the dosing after use prior to the discharge to the River Lyd.
AR9	Surface water drainage	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to the River Lyd

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application EPR/EP3334KC/A001	Site Monitoring Programme	29/01/2010
Response to Schedule 5 Notice dated 14/05/2010	Response to question 5 headed 'Management System Summary' and 'Question 6 headed 'Operating Techniques'.	09/06/2010
Response to Schedule 5 dated 26/04/2018	Responses to question 1 headed 'Operation of boilers', question 2 headed 'Best Available Techniques (BAT)' and question 3 headed 'Abatement'.	15/05/2018
Regulation 61 (1) Notice – Responses to questions dated 25/03/2022	All parts	Received 09/08/2022
Request for further information dated 23/01/2023	Further information provided in relation to BATc 6, 9, 11, 12, 14, 21, 22 and 23. In addition to the submission of Relative Substances Assessment and details on the production capacity	09/02/2023

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC3	<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) 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 BAT 4 &amp; 6.</p> <p>Refer to BAT Conclusions for a full description of the BAT requirement.</p>	4/12/2023
IC4	<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> <ul style="list-style-type: none"> <li>• BAT 12 Table 1 (compliance with BAT-AELs for direct discharges to a receiving water body)</li> </ul> <p>Refer to BAT Conclusions for a full description of the BAT requirement.</p>	4/12/2023
IC5	<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 &amp; R410A 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>	4/12/2023
IC6	<p>The operator shall submit a climate change adaptation plan to the Environment Agency for approval.</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>	11/09/2024 or other date as agreed by the Environment Agency



<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency. The approved plan will form part of the EMS.	
IC7	<p>The Operator shall submit a written report to the Environment Agency for technical assessment and approval detailing the works required to ensure all surface containment and bunding meets the required standards. The report shall cover all surface storage tanks. The report shall be completed with reference to</p> <ul style="list-style-type: none"> <li>• CIRIA Containment systems for the prevention of pollution (C736) – Secondary, tertiary and other measures for industrial and commercial premises.</li> <li>• EEMUA 159 - Above ground flat bottomed storage tanks</li> </ul> <p>The report as a minimum shall include the following</p> <ul style="list-style-type: none"> <li>• current containment measures</li> <li>• any deficiencies identified in comparison to relevant standards,</li> <li>• improvements proposed</li> <li>• time scale for implementation of improvements.</li> </ul> <p>The operator shall implement the proposed improvements in line with the timescales agreed by the Environment Agency.</p>	11/09/2024 or other date as agreed by the Environment Agency
IC8	<p>The Operator shall implement the recommendations and improvements as contained within the supplied report titled 'Ambrosia Creamery, Lifton Containment System Assessment, Dated 07th March 2022'.</p> <p>On completion of the improvements the Operator shall submit a written report to the Environment Agency for technical assessment and approval detailing the works that have been undertaken with reference to CIRIA Containment systems for the prevention of pollution (C736) – Secondary, tertiary and other measures for industrial and commercial premises.</p> <p>Any improvements not completed shall be recorded in a report and submitted to the Environment Agency to include but not be limited to the improvements outstanding and the time scale for their implementation.</p> <p>The report(s) shall be implemented by the operator from the date of approval by the Environment Agency.</p>	11/09/2024 or other date as agreed by the Environment Agency
IC9	The Operator shall submit to the Environment Agency for approval a written maintenance program for all containment measures on site.	11/09/2024 or other date as agreed by the Environment Agency
IC10	<p>The Operator shall prepare and submit a comprehensive noise assessment report undertaken by an experienced and suitably qualified person in accordance with the procedures given in BS4142:2014 (Methods for rating and assessing industrial and commercial sound). The assessment shall include the identification and assessment of the impact of noise emissions upon surrounding sensitive receptors arising from the operation of the installation</p> <p>In the event that the report shows that noise could have a significant impact, the report shall include proposals for attenuation and/or management of noise and shall include a timescale, to be agreed with the Environment Agency, for the implementation of the proposed measures.</p>	11/09/2024 or other date as agreed by the Environment Agency

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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Natural gas	--
Gas oil (kerosene)	--

## 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: 8.68 MWth boiler fired on gas oil	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	200 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 14792
		Carbon monoxide	50 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN15058
		Sulphur dioxide	170 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN 14791
A2 [Point A2 on site plan in Schedule 7]	Boiler 2: 8.73 MWth boiler when fired on natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	135 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 14792
		Carbon monoxide	50 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN15058
A2 [Point A2 on site plan in Schedule 7]	Boiler 2: 8.73 MWth boiler when fired on gas oil [Note 1]	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	200 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 14792
		Carbon monoxide	50 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN15058
		Sulphur dioxide	170 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN 14791
A3 [Point A3 on site plan in Schedule 7]	Boiler 3: 8.73 MWth boiler when fired on natural gas	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	135 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 14792
		Carbon monoxide	50 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN15058
A3 [Point A3 on site plan in Schedule 7]	Boiler 3: 8.73 MWth boiler when fired on gas oil [Note 1]	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	200 mg/m <sup>3</sup>	Hourly average	Annual	BS EN 14792

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<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>
		Carbon monoxide	50 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN15058
		Sulphur dioxide	170 mg/m <sup>3</sup>	Hourly average	Annual	MCERTS BS EN 14791
Note 1: Limits and monitoring requirements not subject to MCPD regulations if operation is limited to a maximum of 500 hours per year.						

<b>Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
W1 [Point W1 on site plan in Schedule 7] emission to River Lyd	Clean uncontaminated surface water runoff	No parameter set	No limit set	--	--	--
W2 [Point W2 on site plan in Schedule 7] emission to River Lyd	Cooling water outflow	Volume	5,232 m <sup>3</sup> in any 24 hour period	Continuous	Weekly	
		Biochemical oxygen demand	20mg/l for 5 days at 20°C	Spot sample	Weekly	BS EN 1899-1 (1998)
		Suspended solids	60 mg/l	Spot sample	Weekly	BS EN 872:1996, BS 6068-2.54:1996
		Ammoniacal Nitrogen (expressed as Nitrogen)	3 mg/l	Spot sample	Weekly	EN 12260, EN ISO 11905-1.
		pH	<6 & >9	Continuous	Weekly	
		Temperature	25°C	continuous	Weekly	
		Residual chlorine	0.1mg/l	Spot sample	Weekly	BS EN ISO 7393-3
		Dissolved oxygen concentration	<50% of the air saturation value	Spot sample	Weekly	
		Phosphate	No limit set	Spot sample	Weekly	EN ISO 6878, EN ISO 15681-1 and -2, EN ISO 11885.
		Oils and grease	None visible	--	Weekly	
W3 [Point W3 on site plan in Schedule 7] emission to River Lyd	Effluent treatment plant	Instantaneous rate of discharge	35 l/s	Continuous	Weekly	MCERTS self-monitoring of effluent flow scheme
		Volume	1,000m <sup>3</sup> in any 24 hour period	Continuous	Weekly	MCERTS self-monitoring of effluent flow scheme
		Biochemical oxygen demand	21 mg/l for 5 days at 20°C	Spot sample	Weekly	BS EN 1899-1 (1998)

<b>Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
		Total suspended solids (TSS)	40 mg/l	24-hour flow proportional sample	Daily (Note 2)	BS EN 872:1996, BS 6068-2.54:1996
		Ammoniacal Nitrogen (expressed as Nitrogen)	7 mg/l	Spot sample	Weekly	EN 12260, EN ISO 11905-1.
		Chemical oxygen demand (COD)	125 mg/l [Note 1]	24-hour flow proportional sample	Daily	As agreed in writing by the Environment Agency
		Total Nitrogen (TN)	20 mg/l [Note 1]	24-hour flow proportional sample	Daily	EN 12260, EN ISO 11905-1.
		Total phosphorus (TP)	2mg/l [Note 1]	24-hour flow proportional sample	Daily	EN ISO 6878, EN ISO 15681-1 and -2, EN ISO 11885.
		pH	<6 & >9	Continuous	Weekly	
		Oils and grease	None visible	--	Weekly	
<p>Note 1: Emission limit applies from 4 December 2023.            Note 2: Daily monitoring applies from 4 December 2023, until then the monitoring frequency will remain weekly.</p>						

<b>Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S2 [Point S2 on site plan in schedule 7] emission to South West Water Sewage Treatment Works	Boiler fuel residue (when boilers operating on gas oil)	--	--	--	--	--

## 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	A1, A2 & A3	Every 12 months	1 January
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	W2 & W3	Every 3 months	1 January,

<b>Table S4.2: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Total products produced	tonnes

<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
COD efficiency	Annually *	COD te/te product
Food waste	Annually	tonnes
*COD efficiency to be calculated on a weekly frequency, reported 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
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

<b>Table S4.4 Reporting forms</b>		
<b>Parameter</b>	<b>Reporting form</b>	<b>Form version number and date</b>
Food Waste	Food waste Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1 06/02/2023
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.

“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.

“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.

“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.

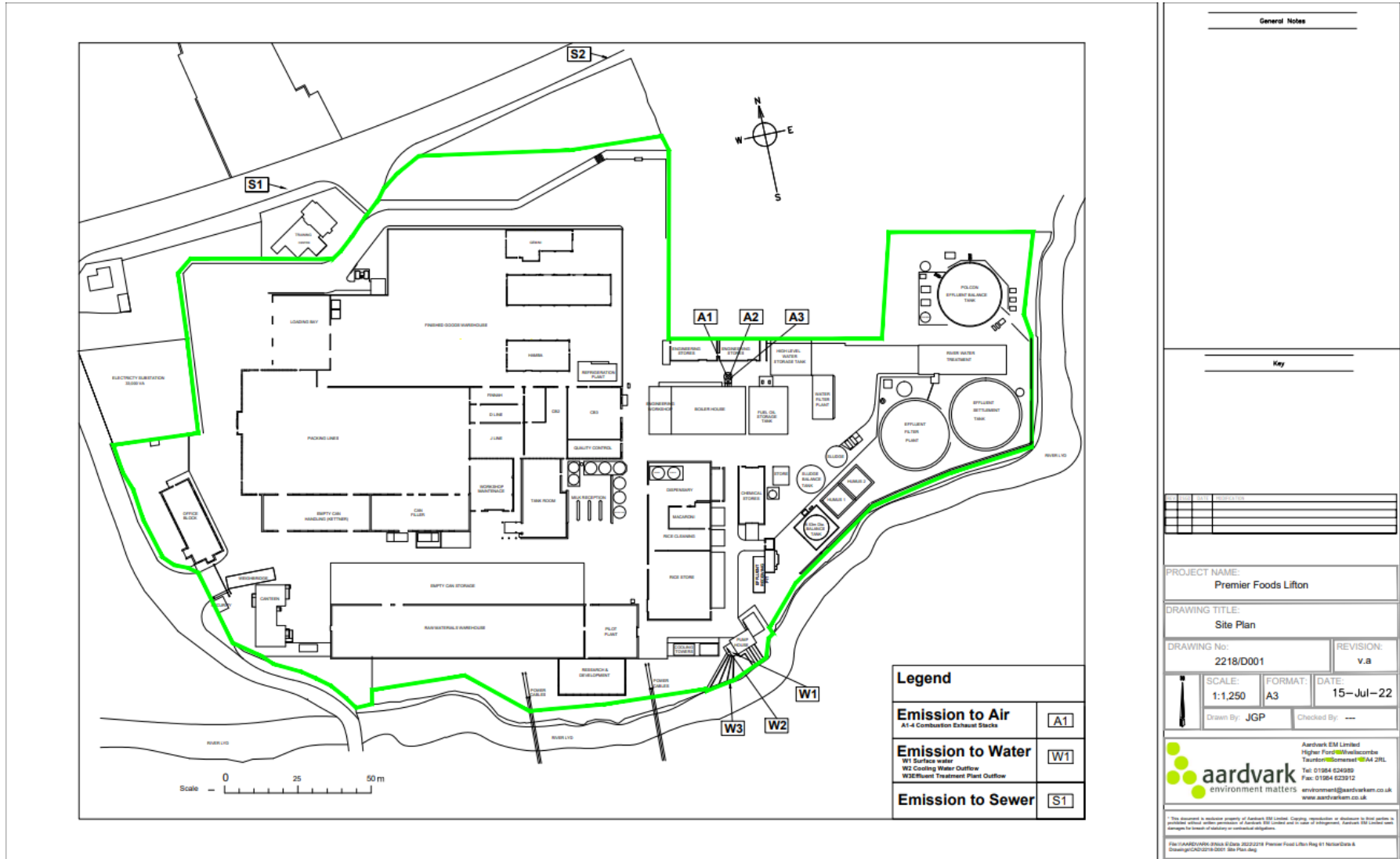
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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