

# Notice of variation and consolidation with introductory note

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

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Britvic Soft Drinks Limited  
Soft Drinks Factory Rugby  
Aventine Way  
Glebe Farm Industrial Estate  
Rugby  
Warwickshire  
CV21 1HA

**Variation application number**

EPR/QP3434SH/V009

**Permit number**

EPR/QP3434SH

# Soft Drinks Factory Rugby

## Permit number EPR/QP3434SH

### 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.

We have implemented the requirements of the Medium Combustion Plant directive and incorporated post-dated requirements for 2025.

The schedules specify the changes made to the permit.

Britvic Soft Drinks installation is located within the Glebe Farm Industrial Estate off the A426 (Leicester Road) near Rugby, centred at NGR SP 49922 77391.

Syrup, flavour and essence is blended with water, pasteurised and then carbonated prior to the packing process. Concentrated ingredients are mixed in batch vessels and transferred to the production line where water is chilled and added before filling and labelling of the bottles and cans as required. The capped bottles and cans are conveyed to packaging lines and palletised, before being conveyed to warehouses for storage prior to distribution.

There is an onsite Effluent Treatment Plant (ETP) at the installation. The effluent treatment consists of pH correction prior to the discharge to sewer. The ETP controls pH values of the process effluent by dosing with either hydrochloric acid (HCl) or sodium hydroxide (NaOH). The plant consists of three 75m<sup>3</sup> tanks which operate as three separate process streams and work on a batch process. The existing water treatment plant was upgraded to accommodate additional throughputs, including the addition of a Triplex ion exchange plant. Each Ion exchange bed is capable of delivering up to 120m<sup>3</sup>/hr of water at the correct quality.

The Environmental Permit is for the following scheduled activities:

*Section 6.8 Part A(1)(d)(ii) - Treatment and processing of vegetable raw materials for the intended production of food at a plant with a finished product capacity greater than 300 tonnes per day.*

*Section 5.4 Part A(1)(a)(ii) - Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical by pH adjustment.*

Production capacity is 6883 tonnes per day.

There is an onsite Energy Centre, which will supply heat and power to the Facility, will include the following equipment CHP Plant – consisting of two natural gas fired engines, the two engines will be connected to a single heat recovery steam generator to recover heat from the flue gases to produce steam. There will also be two standby diesel generators; two off-rotary uninterruptable power supplies; three natural gas fired boilers; and an absorption chiller.

Due to a restriction on the natural gas supply to the Facility (47.5MWth), interlocks have been designed into the Energy Centre to limit the operation of the aggregated combustion systems to up to 47.5MWth. Both CHP engines and two of the permanent boilers will run Monday to Friday 52 weeks of the year. One of the permanent boilers will run Saturday and Sunday 52 weeks of the year. The diesel generators will operate for

short periods of time, acting as back up in the event of failure of the CHP engines, operation will be less than 500 hours per annum.

The only direct discharges to water are either storm runoff, or uncontaminated surface water runoff. The installation also has a discharge to sewer of treated process effluent from the onsite ETP which then discharges to Seven Trent sewer.

The installation is located within Rugby Air Quality Management Zone and is subject to both a CCL agreement reference and a Direct Participant Agreement in the Energy Trading System.

The operator has an Environment Management System in place which is externally accredited to the ISO14001 standard.

There are no European designated sites within 10km and no Sites of Special Scientific Interest within 2km of the installation. However, there are three Local Nature Reserves and eight Local Wildlife Sites within 2km of the installation.

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/QP3434SH/A001	Duly made 06/04/2005	
Permit determined EPR/QP3434SH	20/10/2005	Permit issued to Britvic Soft Drinks Limited
Application EPR/QP3434SH/V002 (variation)	Duly made 26/01/2007	
Variation determined EPR/QP3434SH	12/10/2007	
Application EPR/QP3434SH/V003 (variation)	Duly made 21/01/2010	
Schedule 5 request for additional information dated 22/03/2010	31/03/2010	
Additional information response	08/06/2010	Map of site detailing installation boundary
Variation determined EPR/QP3434SH	13/07/2010	
Application EPR/QP3434SH/V004 (variation)	Duly made 31/03/2011	
Additional information response	15/04/2011	
Variation determined EPR/QP3434SH	20/05/2011	
Application EPR/QP3434SH/V005 (variation)	Duly made 01/12/2011	Variation to include an extended installation boundary and 10,000 litre caustic soda storage tank.
Additional Information received	16/01/2012	Confirmation of caustic soda tank bunding construction/ capacity and pollution incidents.
Variation determined EPR/QP3434SH	21/02/2012	Varied permit issued.
Application EPR/QP3434SH/V006 (variation)	Duly made 26/01/2015	Change of registered office address to Breakspear Park, Breakspear Way, Hemel Hempstead, HP2 4TZ.
Variation determined EPR/QP3434SH	30/01/2015	Varied permit issued to Britvic Soft Drinks Limited.
Application EPR/QP3434SH/V007 (variation and consolidation)	Duly made 26/04/2017	Application to add and effluent treatment plant, syrup plant, three new production lines, two warehouses, and an upgrade to the water treatment plant and sprinkler system.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Schedule 5 request for additional information dated 10/07/2017	Received 21/07/2017, 09/08/2017, 15/08/2017 and 21/08/2017	Confirmation of appropriate containment and drainage plan.
Variation determined EPR/QP3434SH	23/08/2017	Varied and consolidated permit issued in modern condition format.
Application EPR/QP3434SH/V008 (variation and consolidation)	Duly made 24/04/2018	Application to vary and update the permit to modern conditions.
Additional information received	15/07/2018	Clarification of which combustion plants the emission points service.
Additional information received	30/08/2018	Clarification of stand-by diesel engine usage
Variation determined EPR/QP3434SH	26/10/2018	Varied permit issued.
Application EPR/QP3434SH/V009 (variation and consolidation)	Regulation 61 Notice response received 10/03/2022	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Application EPR/QP3434SH/V010 (variation and consolidation)	Duly made 09/06/2023	Application to vary and update the permit to modern conditions.
Additional information received in relation to EPR/QP3434SH/V009	31/07/2023	Information related to BAT6, BAT8, BAT14, BAT33, Air Emissions, Water Emissions, and relevant hazardous substances.
	25/08/2023	Updated R61 Response Tool to include all air emissions points in air emissions tab
Variation determined and consolidation issued EPR/QP3434SH (V009) (Billing ref. CP3348QB)	10/11/2023	Varied and consolidated following the Food, Drink & Milk Industries sector permit review, 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/QP3434SH

### Issued to

**Britvic Soft Drinks Limited** (“the operator”)

whose registered office is

**Breakspear Park  
Breakspear Way  
Hemel Hempstead  
Hertfordshire  
HP2 4TZ**

company registration number 00517211

to operate a regulated facility at

**Soft Drinks Factory Rugby  
Aventine Way  
Glebe Farm Industrial Estate  
Rugby  
Warwickshire  
CV21 1HA**

to the extent set out in the schedules.

The notice shall take effect from 10/11/2023

Name	Date
Stacey Tapsell	16/11/2023

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/QP3434SH**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/QP3434SH/V009 authorising,

**Britvic Soft Drinks Limited** (“the operator”),

whose registered office is

**Breakspear Park  
Breakspear Way  
Hemel Hempstead  
Hertfordshire  
HP2 4TZ**

company registration number 00517211

to operate an installation at

**Soft Drinks Factory Rugby  
Aventine Way  
Glebe Farm Industrial Estate  
Rugby  
Warwickshire  
CV21 1HA**

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

Name	Date
Stacey Tapsell	16/11/2023

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.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR3) the first monitoring measurements shall be carried out within four months of the permit issue or 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) 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 A(1)(d)(ii)	Treating and processing for the production of food from only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day.	From receipt of fruit juices, essences and other raw materials to dispatch of soft drinks.  Production capacity is limited to 6883 tonnes per day.
AR2	Section 5.4 Part A(1)(a)(ii)	Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by physico-chemical treatment by pH adjustment.	From the receipt of raw effluent to discharge of treated effluent to sewer.
<b>Directly Associated Activity</b>			
AR3	Electrical power, hot water and steam supply	<p><u>Medium Combustion Plants</u></p> <ul style="list-style-type: none"> <li>2 x 12.3 MWth gas-fired boilers</li> </ul> <p>Combined Heat and Power (CHP) plant comprised of:</p> <ul style="list-style-type: none"> <li>2 x 11.4 MWth gas-fired engines</li> <li>1 x 12.3 MWth gas-fired boilers</li> </ul> <p>Standby Generators (providing electricity to the installation in the event of a failure of supply from the National Grid)</p> <ul style="list-style-type: none"> <li>2 x 6.8 MWth gas oil fuelled generators</li> </ul>	From receipt of fuel to release of products of combustion to air.  Restrictions to the supply of the natural gas to the facility limit the operation of the aggregated combustion system to 47.5MWth.  Electricity produced at the installation cannot be exported to the National Grid.
AR4	Use of refrigerants	Use of refrigerants in chilling systems at the installation.	From receipt of raw materials to dispatch of final product.
AR5	Storage and use of oils	Storage, handling, and use of fuel	From receipt of oils to disposal of wastes arising.
AR6	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.
AR7	Surface water drainage	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to River Swift.
AR8	Liquid nitrogen storage and handling	Liquid Nitrogen Storage and Handling	From receipt of Liquid Nitrogen to point of bottle dosing.
AR9	Caustic soda storage and handling	Caustic Soda for Clean in Place (CIP) system	From receipt of Caustic Soda to point of use.

<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 09/11/2021	All parts	Received 10/03/2022
Additional information	Update Site Plan	31/07/2023
	Update R61 Response Tool	25/08/2023

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC16	<p>The operator shall submit, for approval by Environment Agency, a report setting out how the ‘Narrative’ BAT has been achieved 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, if applicable, for reaching compliance by 4 December 2023.</li> <li>3) Demonstration of compliance with BAT.</li> </ol> <p>The report shall address the BAT Conclusions for Food, Drink and Milk Industries with respect to BAT 14 and 33. Refer to BAT Conclusions for a full description of the BAT requirement.</p>	04/12/2023
IC17	<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 systems 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
IC18	<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>	10/11/2024 unless otherwise agreed in writing with the Environment Agency



<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC19	<p>The operator shall submit a report demonstrating that the necessary procedures are in place for the operation of the Energy Centre and that staff have received the necessary training.</p> <p>The operator must submit the report to the Environment Agency for review and approval.</p>	<p>10/01/2024 unless otherwise agreed in writing with the Environment Agency</p>

## 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>
Gas oil	Less than 0.1% 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 on site plan in Schedule 7	Boiler 2 30m stack 12.3 MWth gas fired boiler	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	100 mg/m <sup>3</sup>	Periodic	Annually	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Annually	BS EN 15058
	Boiler 3 30m stack 12.3 MWth gas fired boiler	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	100 mg/m <sup>3</sup>	Periodic	Annually	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Annually	BS EN 15058
A3 & A8 on site plan in Schedule 7	Local Exhaust Ventilation for chemical bulk storage unit and effluent treatment plant via acid scrubber	No parameters set	No limit set	--	--	--
A4 (A4.1 & A4.2 on site plan in Schedule 7)	Local Exhaust Ventilation for drain at fillers H <sub>2</sub> O <sub>2</sub> and CO <sub>2</sub>	No parameters set	No limit set	--	--	--
A5 & A6 on site plan in Schedule 7	Liquid Nitrogen pressure relief valve and gas relief at liquid line	No parameters set	No limit set	--	--	--
A9 on site plan in Schedule 7	CHP – Engine 1 11.4Wth gas engine 40m stack	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	95 mg/m <sup>3</sup>	Periodic	Annually	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Annually	BS EN 15058
	CHP – Engine 2 11.4Wth gas engine 40m stack	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	95 mg/m <sup>3</sup>	Periodic	Annually	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	No Limit	Periodic	Annually	BS EN 15058
	Boiler 1 12.3 MWth gas fired boiler 40m stack	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>x</sub> )	100 mg/m <sup>3</sup>	Periodic	Annually	BS EN 14792
		Carbon monoxide	No Limit	Periodic	Annually	BS EN 15058
A10 on site plan in Schedule 7	Diesel Generators 2 x 6.8 MWth gas oil fuelled generators	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	No limit set	Periodic	After 3 times the maximum average annual operating hours have elapsed and no less frequent than every 5 years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	After 3 times the maximum average annual operating hours have elapsed and no less frequent than every 5 years	BS EN 15058
A14 on site plan in Schedule 7	Warehouse space heating	No parameters set	No limit set	--	--	--
A15 on site plan in Schedule 7	In can adiabatic cooler	No parameters set	No limit set	--	--	--
A16 on site plan in Schedule 7	3 x sprinkler fire pump diesel engine exhausts	No parameters set	No limit set	--	--	--
A18 on site plan in Schedule 7	Absorption chiller adiabatic cooler	No parameters set	No limit set	--	--	--
A19 on site plan in Schedule 7	Sugar silos vents	No parameters set	No limit set	--	--	--
A20 on site plan in Schedule 7	CO <sub>2</sub> tank vents	No parameters set	No limit set	--	--	--

<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>
A21 on site plan in Schedule 7	Cooling tower	No parameters set	No limit set	--	--	--

<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 on site plan in schedule 7 emission to River Swift	Uncontaminated site storm water discharge via interceptor	No parameters set	No limit set	--	--	--
W2 on site plan in schedule 7 emission to River Swift	Uncontaminated site surface water from parking area	No parameters set	No limit set	--	--	--
W2 on site plan in schedule 7 emission to River Swift	Uncontaminated site surface water from parking area	No parameters set	No limit set	--	--	--
W3 on site plan in schedule 7 emission to River Swift	Uncontaminated site surface water from parking area	No parameters set	No limit set	--	--	--
W4 on site plan in schedule 7 emission to River Swift	Uncontaminated site surface water from parking area	No parameters set	No limit set	--	--	--
W5 on site plan in schedule 7 emission to River Swift	Uncontaminated site surface water from parking area	No parameters set	No limit set	--	--	--

**Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements**

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan in schedule 7 emission to Seven Trent Sewer	Treated process effluent from onsite effluent treatment plant	No parameters set	No limits set	--	--	--

## Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source emissions to air Parameters as required by condition 3.5.1	A1 & A9	Every 12 months	1 January
	A10	After 3 times the maximum average annual operating hours have elapsed and no less frequent than every 5 years.	1 January

Parameter	Units
Total site production of product	m <sup>3</sup>
Wastewater treated	tonnes

Parameter	Frequency of assessment	Units
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

Parameter	Reporting form	Form version number and date
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
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
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.

“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.

“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.

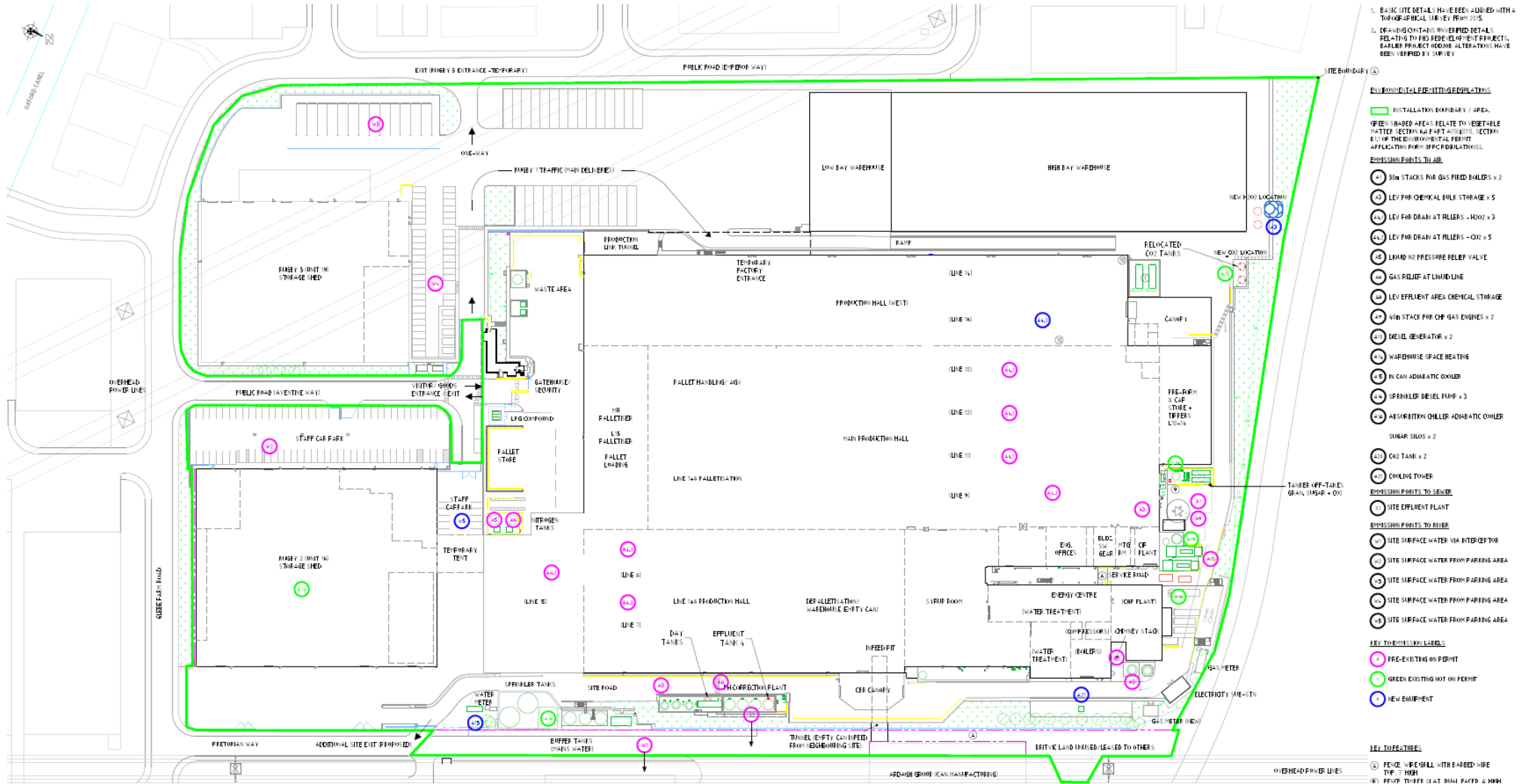
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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