



Environment
Agency

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Cawingredients Limited

Caw House
Conygarth Way
Leeming Bar Business Park
Leeming Bar
Northallerton
North Yorkshire
DL7 9FD

Variation application number

EPR/UP3937FW/V008

Permit number

EPR/UP3937FW

Caw House

Permit number EPR/UP3937FW

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 4th 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.

Variation

The variation permits the following:

- A new production line (line 6) which will increase production volumes from 4,090 tonnes a day to 5,160 tonnes per day (1,070 increase).
- A replacement boiler (boiler 1 - emission point A1) to increase thermal input capacity from 5.56MWth to 9.17MWth.
- The installation of an additional Reverse Osmosis (RO) plant for the treatment of wastewater for re-use.

Operations

Caw House is an installation that undertakes manufacturing of carbonated soft drinks under Section 6.8 Part A(1) (d)(ii) of the Environmental Permitting Regulations: Treatment and processing of *only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year*.

The site has an effluent treatment plant under section 5.4 A(1)(a)(i) of the Environmental Permitting (England and Wales) Regulations 2016: *Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment*. Onsite wastewater is treated in a biological system using membrane bio-reactor technology and discharges treated effluents into the existing surface water soakaway.

The site manufactures carbonated soft drinks in a plant with a finished production capacity of 5,160 tonnes per day. The operation involves the manufacture, bottling, canning and packaging of carbonated soft drinks using five fully automated processing lines. The production operation includes a number of stages, namely; receiving, handling, storage and preparation of raw materials, ingredients and packaging; processing of ingredients including the preparation, blending and dilution; de-palletising of packaging for use in manufacturing of product; filling of product, including bottle and can rinsing, filling, capping and labelling; pasteurisation of specific products together with palletising of manufactured products before storage and dispatch.

Emissions to air are generated by two steam raising natural gas fired boilers (Boiler 1 – 9.17MWth and Boiler 2 - 9.0MWth). The site also has refrigeration plant for cooling and compressors to generate compressed air.

The site is located adjacent to the A1 dual carriage way, off Leeming Bar Industrial Estate and is accessed via Conygarth Way. The site is approximately 8.4 hectares (84,000 m²). The site is located within a generally rural area, with the exception of the industrial estate, immediately to the north east and the A1 trunk road to the south west. There are tertiary rivers and culverts to the south of the site. There are no European sites or any Site of Special Scientific Interest (SSSI) within the vicinity.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
EPR/UP3937FW/A001	25/09/2012	
Additional information received	10/10/2012	Additional information in support of application
Permit determined	21/12/2012	Original permit issued to Cawingredients Limited.
Application variation EPR/UP3937FW/V002	16/12/2013	Treatment of onsite wastewater in a biological system using membrane bio-reactor technology and discharge to soakaway.
Variation determined EPR/UP3937FW/V002	19/02/2014	Varied permit issued Cawingredients Limited.
Notified of change of site address and registered office address	17/03/2016	Registered office address and site address changed from Caw House, Tutin Road, Leeming Bar Industrial Estate, Northallerton, North Yorkshire, DL7 9UJ to Caw House, Conygarth Way, Leeming Bar Business Park, Leeming Bar, Northallerton, North Yorkshire, DL7 9FD.
Variation issued EPR/UP3937FW/V003	09/05/2016	Varied permit issued Cawingredients Limited.
EPR/UP3937FW/V004	--	Withdrawn/returned
Application EPR/UP3937FW/V005 (variation and consolidation)	Duly made 30/08/2018	Application to vary and update the permit to modern conditions.
Variation determined EPR/UP3937FW	13/12/2018	Varied permit issued to Cawingredients Limited.
Application EPR/UP3937FW/V006 (variation and consolidation)	Duly made 11/09/2020	Application to add a 2 nd canning production line. Increasing storage capacity and discharge to soakaway and add an additional boiler.
Variation issued EPR/UP3937FW/V006	26/10/2020	Varied permit issued to Cawingredients Limited.
Application EPR/UP3937FW/V007 (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.
Response to request for further information dated 18/07/2023	02/08/2023 10/08/2023	Confirmation of BATc3, BATc6, BATc7, BATc8, BATc9, BATc12 and BATc14
Variation determined and consolidation issued EPR/UP3937FW (Billing ref. CP3340QT).	25/09/2023	Varied and consolidated permit issued in modern format
Variation application EPR/UP3937FW/V008	Duly made 17/01/2025	Application to increase production, replace a boiler and add a Reverse Osmosis plant.

Variation and consolidation
application number
EPR/UP3937FW/V008

Status log of the permit		
Description	Date	Comments
(variation and consolidation)		
Variation determined EPR/UP3937FW/V008	17/10/2025	Variation permit issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/UP3937FW

Issued to

Cawingredients Limited ("the operator")

whose registered office is

**Caw House
Conygarth Way
Leeming Bar Business Park
Leeming Bar
Northallerton
North Yorkshire
DL7 9FD**

company registration number **06625288**

to operate a regulated facility at

**Caw House
Conygarth Way
Leeming Bar Business Park
Leeming Bar
Northallerton
North Yorkshire
DL7 9FD**

to the extent set out in the schedules.

The notice shall take effect from 17/10/2025.

Name	Date
Beccy Brough	17/10/2025

Authorised on behalf of the Environment Agency

Schedule 1

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

- Table S1.1, as referenced in conditions 2.1.1 and 3.1.4 has been updated to correctly reflect the site's production capacity and number of production lines (AR1), as well as the thermal input capacity of MCP on site (AR3).

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/UP3937FW

This is the consolidated permit referred to in the variation and consolidation notice for application **EPR/UP3937FW/V008** authorising,

Cawingredients Limited ("the operator"),

whose registered office is

**Caw House
Conygarth Way
Leeming Bar Business Park
Leeming Bar
Northallerton
North Yorkshire
DL7 9FD**

company registration number **06625288**

to operate an installation at

**Caw House
Conygarth Way
Leeming Bar Business Park
Leeming Bar
Northallerton
North Yorkshire
DL7 9FD**

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

Name	Date
Beccy Brough	17/10/2025

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

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

1.3 Efficient use of raw materials

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

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

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

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in red 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 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

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 – Medium Combustion Plant, emission point A1) the first monitoring measurements shall be carried out within four months of 01/01/2025 or of the date when the MCP is first put into operation, whichever is later.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) 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

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
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.	Manufacture of soft drinks (cans and plastic bottles) from fruit juices, essences and other raw materials with a production capacity over 6 lines of 4,200 tonnes per day.	From receipt of raw materials to dispatch of finished products of soft drinks. Production capacity is limited to 5,160 tonnes per day.
AR2	Section 5.4 Part A1 (a) (i) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment.	Wastewater treatment by membrane bio-reactor technology.	From the receipt of effluent from site to treatment to discharge of effluent to public foul sewer or soakaway
Directly Associated Activity			
AR3	Steam supply	Medium Combustion plants: Boiler 1 (A1)1 X 9.17MWth natural gas-fired boiler Boiler 2 (A2)1 X 9.0MWth natural gas-fired boiler	From receipt of fuel to release of products of combustion to air.
AR4	Raw material storage and handling	Storage and handling of raw materials at the installation	Receipt, storage and processing of raw materials, ingredients and cleaning materials to transfer to processing areas
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	Waste storage and handling	Storage and handling of waste materials	From generation of waste materials to dispatch for disposal or recovery.
AR7	Cleaning and sanitation	Cleaning of process equipment and the processing environment according to hygiene requirements, using propriety cleaning systems	Cleaning activates during/after production runs, including the disposal of waste arisings
AR8	Fuel storage	Fuel Storage	From fuel storage tank for use at the installation.
AR9	Water Treatment	Water treatment for product water and boiler / cleaning water.	From production of treated water to use in process.
AR10	Surface water collection and discharge	Uncontaminated surface water	Collection and discharge to soakaway including overflow to public foul sewer.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Regulation 61 (1) Notice – Responses to questions dated 09/11/2021	All parts	Received 10/03/22
Regulation 61(1) Notice – request for further information dated 18/07/23	Technical standards in relation to Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament and of the Council on establishing best available techniques (BAT) conclusions for the food, drink and milk industries, BAT Conclusions Numbers 1-17.	Received 09/08/23 and 10/08/23

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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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	Gas fired boiler rated at 9.17MWth input (Note 1)	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	100 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon monoxide (CO)	No Limit	Periodic	Every three years	BS EN15058
A2 on site plan in Schedule 7	Gas fired boiler rated at 9.0 MWth input	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	100 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide (CO)	No Limit	Periodic	Every three years	BS EN 15058
Note 1: Monitoring measurements as stated in condition 3.1.4, unless otherwise advised by the Environment Agency.						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
L1 on site plan in schedule 7. Discharge to soakaway.	Uncontaminated surface water and effluent treatment plant	Total daily volume of discharge	700 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		Temperature	25°C	Instantaneous	Continuous	--
		pH	6-9	Instantaneous	Continuous	BS EN ISO 10523:2012
		Biological Oxygen Demand (BOD)	10 mg/l	24 hour flow proportional sample	Weekly	BS EN 1899-1:1998 or BS6068-2.63:1998

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
		Total suspended solids	15 mg/l	24 hour flow proportional sample	Weekly	BS EN 872:2005 or BS 6068-2.54:2005
		Ammonia	5 mg/l	24 hour flow proportional sample	Weekly	BS 6068-2.11:1984 or ISO 7150-1:1984

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 Yorkshire Water – Leeming Bar Waste Water Treatment Works.	Surface water run-off attenuation tank storm overflow	-	-	-	-	-	

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to water Parameters as required by condition 3.5.1	L1	Annually	1 January
Emissions to air Parameters as required by condition 3.5.1	A1 A2	First monitoring undertaken in accordance with Condition 3.1.4 to be reported within 3 months, and then every 3 years thereafter.	From first monitoring requirements in accordance with Condition 3.1.4

Table S4.2: Annual production/treatment	
Parameter	Units
Total site production of product	Litres of water/litre product

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Potable water usage	Annually	m ³ /tonne product
Non-potable water usage	Annually	m ³ /tonne product
Specific Energy Consumption per tonne product	Annually	MWh/tonne
Primary Carbon Dioxide per tonne product	Annually	Tonnes/tonne
Waste disposal per tonne of product	Annually	Tonnes/tonne

Table S4.4 Reporting forms		
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
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
Food Waste	Food waste Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1 06/02/2023
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Table S4.4 Reporting forms		
Parameter	Reporting form	Form version number and date
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
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.	

(d) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“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.

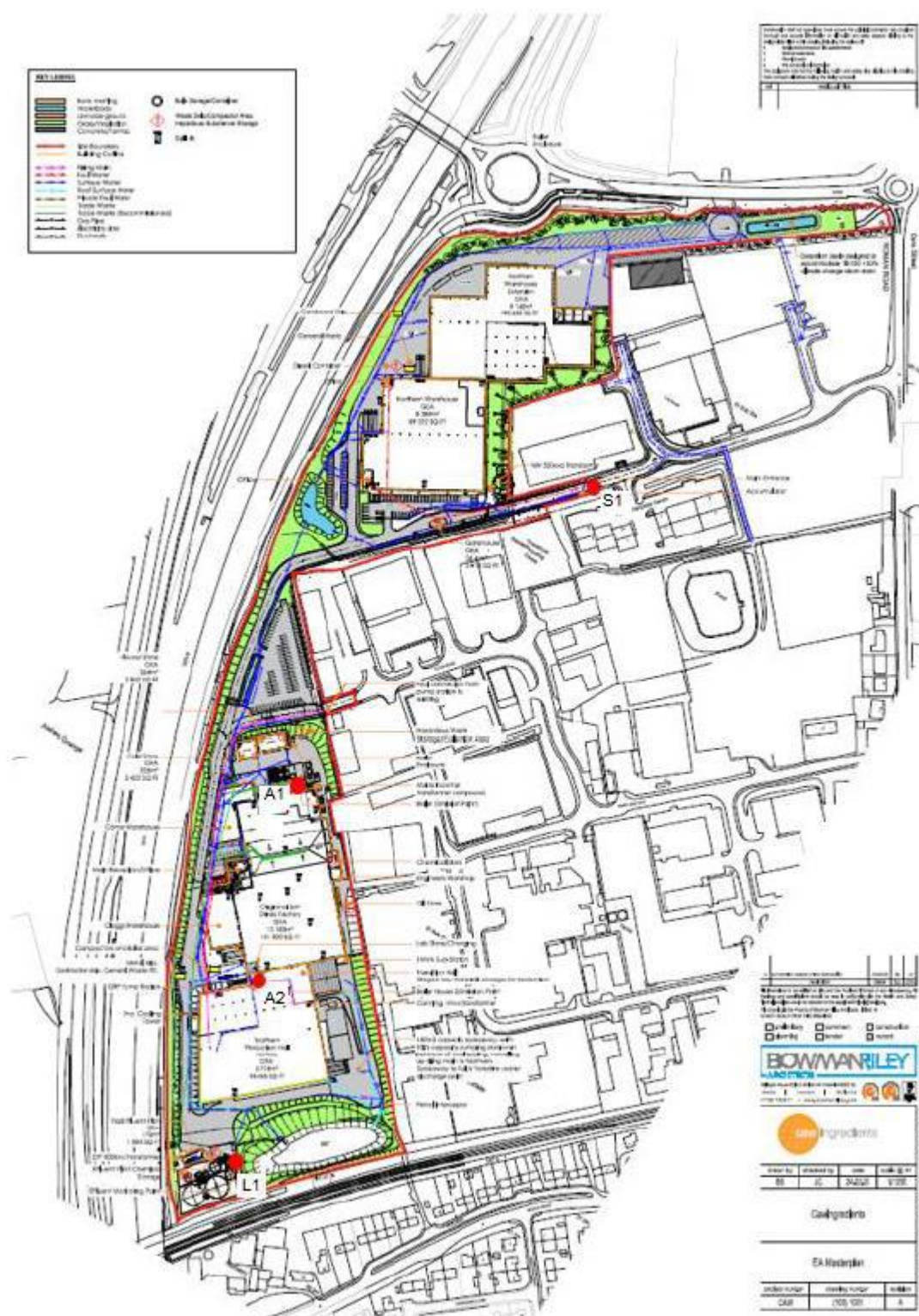
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

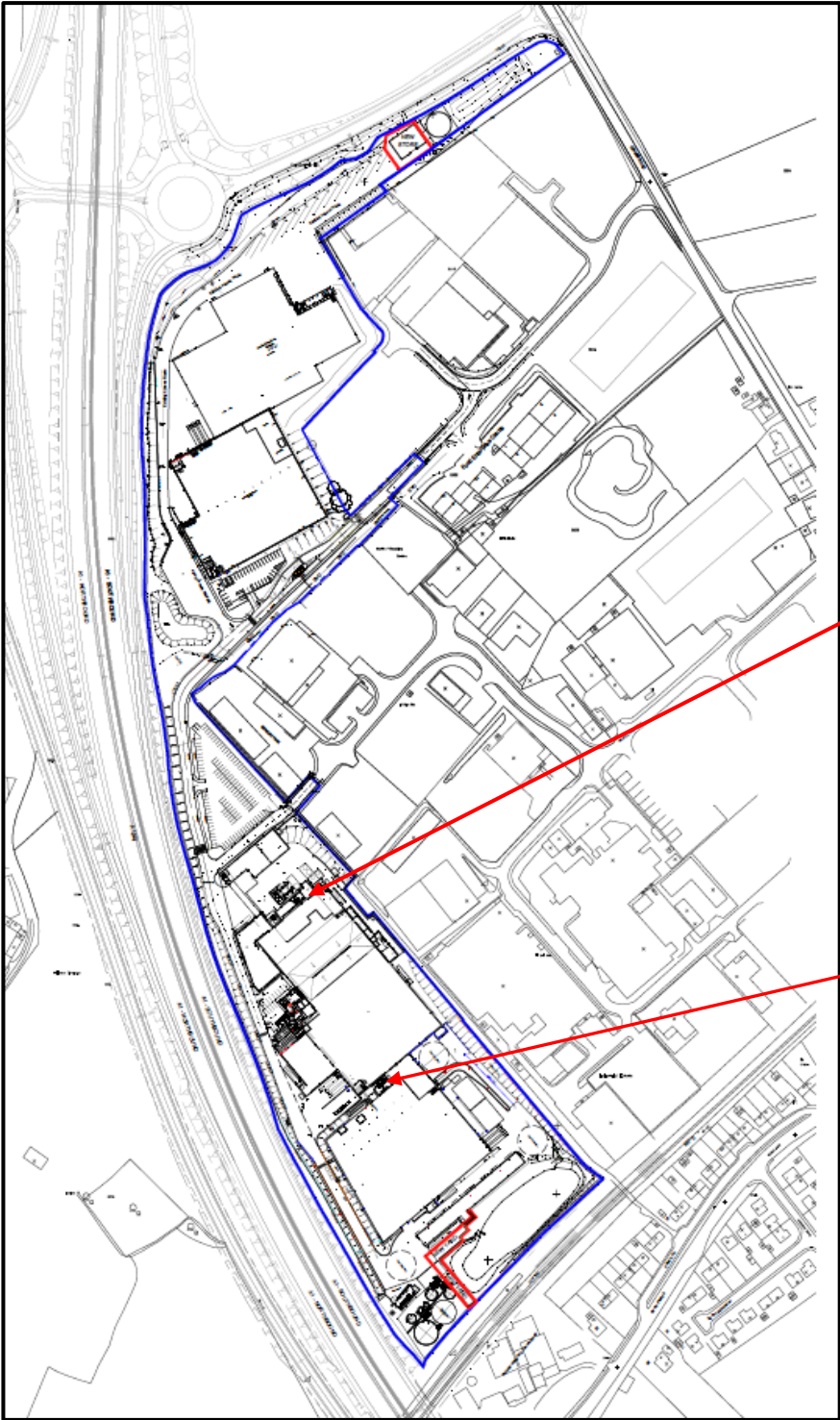
- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from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



Emission sources to air and site layout plan



**A1 Source 1 – Replacement boiler 1
(2025)**

**A2 Source 2 – Existing boiler 2
(Oct 2020)**

GP SE 2821 8088

END OF PERMIT