

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/V005

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

This variation is in consequence of an application made by the applicant to reflect the following changes to the site:

The operator plans to introduce a new canning line alongside the three existing PET bottling lines that will result in a production capacity over 4 lines of 3360 tonnes per day. This variation will also include a new finished goods storage warehouse that has allowed for a storage capacity of finished goods, of 10,500 tonnes. The installation boundary has increased in size by 5 hectares to include the newly constructed finished goods warehouse which is located on land to the north of the original permitted area. The 4th line will increase production output by 25%, the increased production volumes will be increasing the demand on the boiler system for the production of steam, the company has upgraded from a 2MWth to a 9MW boiler to support the expansion. The boiler is a modern design with emphasis placed on high efficiency and low emission specifications.

The main features of the installation

The site is located on 11 hectares of former agricultural land approximately 1 km west of the village of Leeming Bar. The site manufactures carbonated soft drinks in a plant with a finished production capacity of 3,360 tonnes per day. The operation involves the manufacture, bottling, canning and packaging of carbonated soft drinks using four 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. No storage is required for the new canning line as this production process means that stock does not need to be moved to the warehouse as the final product is collected directly by the client from the production area in the new canning facility.

Emissions to air are generated by one steam raising natural gas fired boiler. The site also has refrigeration plant for cooling and compressors to generate compressed air.

The site has an effluent treatment plant, onsite wastewater is treated in a biological system using membrane bio-reactor technology and discharge of treated effluents into the existing surface water soakaway. The reference document on best available techniques (BREF) in the food and drink industries refers to MBR technology as best available techniques (BAT).

This permit has been updated and consolidated.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application EPR/UP3937FW/A0001	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 to Cawingredients Limited.
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 (Billing reference: FP3935QT)	13/12/2018	Varied 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 **13/12/2018**

Name	Date
Philip Lamb	13/12/2018

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 condition 2.1.1 has been updated to capture additional Directly Associated Activities undertaken on site.
- Table S1.2, as referenced in conditions 2.3.1 and 2.3.2 is updated to include the operating techniques for the new canning line.
- Table S1.3, as referenced in condition 2.4.1 has been amended to reflect the completion of Improvement Condition IC2.
- Table S3.1, as referenced in conditions 3.1.1, 3.5.1 and 3.5.4 has been included to reflect the inclusion of the 9.0 MWth boiler.

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/V005** 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
Philip Lamb	13/12/2018

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 purple 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.

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 S3.2 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.8 Part A (1)(d)(ii) Treating and processing materials intended for the production of food products from vegetable raw materials at plant with a finished product production capacity of more than 300 tonnes per day (average value on a quarterly basis)	Manufacture of soft drinks from fruit juices, essences and other raw materials with a production capacity over 4 lines of 3360 tonnes per day.	Receipt, storage and processing of raw materials and chemicals to dispatch of products, incorporating the activities below; including storage of finished product 10,500 tonnes – finished goods warehouse
Section 5.4 Part A(1)(a)(i) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment	Waste water 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		
Combustion Plant	Operation of a boiler with a net thermal input rating of 9MWth fuelled by natural gas	Generation of hot water and steam for use at the installation.
Storage and handling of raw materials	Storage and handling of raw materials including supply of beverage water, storage of other materials received in various containers including in bulk containers	Receipt, storage and processing of raw materials, ingredients and cleaning materials to transfer to processing areas
Storage and handling of waste	Storage and handling of waste materials arising from processing activities according to category, including preparation for disposal or recovery	From generation of waste materials to dispatch for disposal or recovery
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
Fuel storage	Fuel Storage	From fuel storage tank for use at the installation.
Water Treatment	Water treatment for product water and boiler / cleaning water.	From production of treated water to use in process.
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
Application	Response to section 3 – Operating Techniques, Part B of the application form. Further information – via email including :- Technical Standards and BAT Compliance CAW.BAT.V1 Process Diagram CAW.Process.V1 Process Flow Diagram CAW.PROCESS2.V1 Raw Material Inventory CAW.RM.V1 Appendix 1 - Inventory of Vessels and Storage Areas Appendix 2 – Boiler Specifications Appendix 3 – Chemicals storage list for purpose built store	25/09/2012 28/09/2012
Further information	S4008 D1 Rev E Drainage plan CAW.EMM.V2 Email response to question 2	10/11/2012
Application EPR/UP3937FW/V002	Application forms Part C2 and C3 and referenced supporting information	16/12/2013
Request for information Application EPR/UP3937FW/V002	Flood contingency plans, silting up maintenance and contingency plans. Detailed information on the construction materials and design of the bund surrounding the effluent treatment plant.	06/02/2014
Application EPR/UP3937FW/V005	Application form Part C2 - Section 5 Supporting Information. Application form Part C3 - Section 3 on Operating Techniques, Table 3 Technical Standards.	26/07/2018
Further Information EPR/UP3937FW/V005	Site Plans Noise Assessment H1 Assessment	29/08/2018 30/08/2018 31/08/2018
Further Information Schedule 5 EPR/UP3937FW/V005	Additional information provided in support of the application.	31/10/2018

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall review effluent treatment options with the aim of treating effluent to a high standard to enable further recycling of water. A written report shall be submitted to the Environment Agency (for approval in writing) providing details of options appraisal, proposed improvements and including timescales for implementation.	Completed
IC2	The operator shall carry out a water efficiency audit investigating the potential for water re-use and feasibility study of final water polishing for reuse at the installation. The audit shall have regard to the Guidance Note EPR S6.13 Section 1.3, and shall investigate the potential for direct and non-direct water reuse by department or activity. The operator shall submit a written report of the findings to the Environment Agency for approval.	Completed

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

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 9.0 MWth input	Oxides of Nitrogen (NO and NO2 expressed as NO2)	No limit set	Averaged over a minimum 4 hour period	Annual	BS ISO 10849:1996 or BS EN 14792:2017
		Carbon Monoxide (CO)	No limit set	Averaged over a minimum 4 hour period	Annual	BS EN 15058:2017

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	500 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
		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.	Effluent drainage from site production processes via effluent treatment plant and domestic sewage	-	-	-	-	-
	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	Annually	1 January

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		
Media/parameter	Reporting format	Date of form
Water usage	Form WU1 or other form as agreed in writing by the Environment Agency	16/03/2005
Energy usage	Form E1 or other form as agreed in writing by the Environment Agency	16/03/2005
Waste return	Form R1 or other form as agreed in writing by the Environment Agency	16/03/2005
Other performance indicators	Form PI1 or other form as agreed in writing by the Environment Agency	16/03/2005

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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
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 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.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

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

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

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

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

“Pests” means Birds, Vermin and Insects.

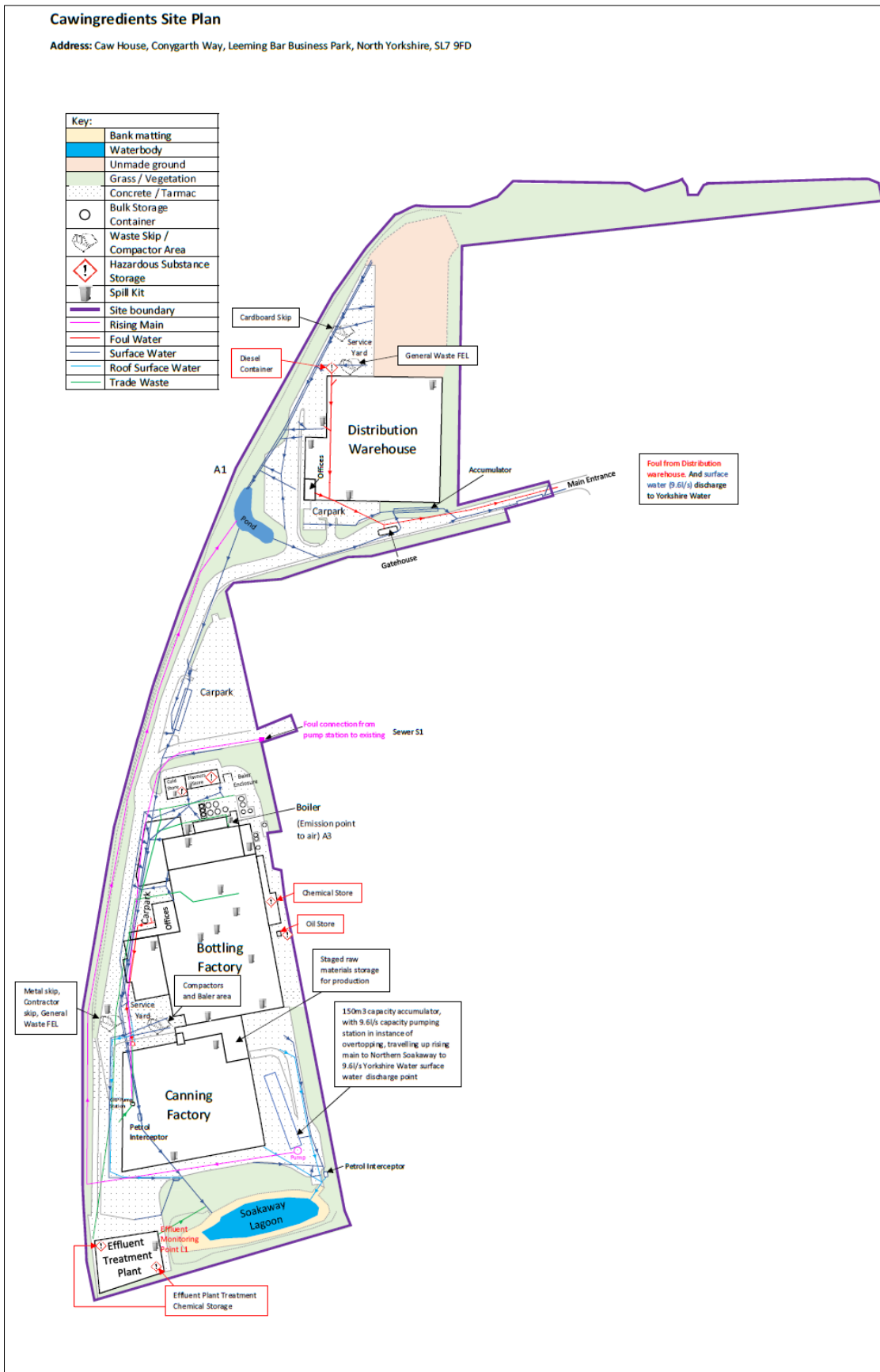
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



END OF PERMIT