

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Muntons PLC
Cedars Maltings
Needham Road
Stowmarket
Suffolk
IP14 2AG

Variation application number

EPR/FP3132PH/V007

Permit number

EPR/FP3132PH

Cedar Maltings

Permit number EPR/FP3132PH

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.

The schedules specify the changes made to the permit.

The main features of the permit are as follows.

Cedars Maltings operates primarily as a malt house and produces malt ingredients including malt extract, barley syrup, wheat-based flours and a range of spray or band dried extracts. The site is located approximately 2 km southeast of Stowmarket town centre and is centred at national grid reference TM 06468 57317. The installation is situated on privately owned land which is predominantly surrounded by fields and arable farmland.

Barley is harvested and brought to Cedars Maltings where it is dried prior to storage at one of the site's grain silos. Drying is achieved by passing grain through the continuous flow dryer, which dries the barley whilst aspirating off small and broken grains, husk and dust. These materials are captured, treated, pelletised and sold as animal feed. Barley is then steeped in water sourced from boreholes on site to ensure that it has sufficient water to grow. After two days intermittent immersion in the water, the grain is cast into germination boxes and after four days the barley will have developed rootlets and a very small chit. Chitted barley is dried to render it stable for storage, to develop colour and flavour and to make it suitable for milling. Malt is screened and stored in silos after drying pending dispatch as whole malt or it is sent for further processing into other malted ingredients on site.

The Environmental Permit contains the following activities:

Section 6.8 Part A(1) (d)(ii) – Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed (where the weight of the finished product excludes packaging) — only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year.

Section 5.4 Part A1 (a) (ii) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC concerning urban waste-water treatment(4) — physico-chemical treatment.

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

The site has an effluent treatment plant (ETP) where process water is treated prior to discharge to the River Gipping. The sludge from the ETP is used in an upflow anaerobic sludge blanket (UASB). Anaerobic digestion (AD) is also in operation at the installation to treat the site's higher strength process effluent. This AD plant processes wastes generated from the production of malted extract ingredients. The maximum daily throughput of the AD plant is 280 m³ per day. Biogas produced from the AD process is used as a fuel for the site's combined heat and power (CHP) engine. The CHP releases combustion gases into the atmosphere via air emission point A43. In the event of the CHP not operating, the biogas is flared. Heat produced by the AD plant is used to supply heat to the AD plant, pasteurisation plant and to the reprocessing of malt ingredient products. The solid digestate recovered from the AD process is pasteurised to satisfy the requirements of the PAS 110:2010 standard and is then passed through a decanting centrifuge prior to storage. Wastewater generated by the AD process is treated by the site's ETP before being discharged into the River Gipping. The site does not have a sewer connection as none is present in the vicinity of the installation. Uncontaminated surface water run-off from the site's yard areas discharges to a railway ditch adjacent to the River Gipping.

Emissions to air from the site include fugitive dust which is predominantly generated by the drying of grain in the continuous flow dryer. Air emissions are abated through a system of bag filters and cyclones to prevent the release of fugitive dust emissions.

There are sensitive human receptors within 250 metres of the site. There is one Site of Special Scientific Interest (SSSI), seven Local Wildlife Sites (LWS) and three Ancient Woodlands (AW) within 2 km of the site.

The Installation is using an environmental management system (EMS) accredited to ISO14001 standard.

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 received EPR/FP3132PH/A001	Duly made 22/03/2005	Application for a food and drink facility producing malt and malted ingredients.
Response to request for information dated 04/07/2005 and 14/09/2005	20/07/2005	--
	14/09/2005	
Permit determined EPR/FP3132PH	09/11/2005	Permit issued to Muntons PLC.
Agency Initiated Variation HP3634UG determined EPR/FP3132PH/V002	22/05/2007	Agency initiated permit review. Variation issued.
Variation application EPR/FP3132PH/V003	Duly made 11/01/2008	Variation of air and water emission points as a result of improvement works on site.
Response to request for information dated 11/03/2008	30/03/2008	--
Variation determined EPR/FP3132PH/V003	26/09/2008	Varied permit issued.
Agency Initiated Variation determined EPR/FP3132PH/V004	28/08/2013	Agency initiated variation to implement the changes introduced by IED.
Application EPR/FP3132PH/V005 (variation and consolidation)	Duly made 08/12/2014	Application to vary permit to include new AD facility and update the permit to modern conditions.
Response to Schedule 5 request dated 27/01/2015	02/03/2015	Revised Odour Management Plan and details of bunding, clay permeability and containment on site.
Response to request for information dated 06/03/2015	12/03/2015	Revised Air Emissions Points Plan reference REF DRG No 40.101.001F 22/11/2011.

Status log of the permit		
Description	Date	Comments
Variation determined EPR/FP3132PH/V005	25/03/2015	Varied and consolidated permit issued in modern condition format.
Application EPR/FP3132PH/V006 (variation and consolidation)	Duly made 24/04/2018	Application to vary the permit to include a new continuous flow dryer, amend the location of two Varinox heater flues and include the manufacture of home brew and wine making kits in the description of the listed activity.
Additional information requested by Schedule 5 Notice (dated 13/06/2018)	13/07/2018	Additional information regarding the air dispersion modelling report, NOx abatement of the new continuous flow dryer and confirmation of the daily treatment capacity of the site's effluent treatment plant.
Variation determined EPR/FP3132PH/V006	04/10/2018	Varied and consolidated permit issued in modern condition format.
Application EPR/FP3132PH/V007 (variation and consolidation)	Regulation 61 Notice response received 07/10/2022	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Request for further information dated 02/06/2023	13/06/2023	Updated site plan, decommissioning confirmation of air emission points A1, A6, A7, and 26, decommissioning of Delta Boiler and the 3 Steam Boilers, energy efficiency plan, wastewater buffer capacity, BAT-AELs to water, MCPs capacity, EPL for energy, cooling tower, number of digestors, number of emergency flares, biogas holding tanks, AD feedstock, and non-technical summary.
Additional information requested (dated 16/06/2023)	22/06/2023	Clarification provided regarding BATcs 6(a), 12, BAT-AELs to water, BAT-AELs to air, and MCPs.
Variation determined and consolidation issued EPR/FP3132PH (Billing ref. JP3948QD).	30/11/2023	Varied and consolidated permit issued in modern format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/FP3132PH

Issued to

Muntons PLC (“the operator”)

whose registered office is

Cedars Maltings

Stowmarket

Suffolk

IP14 2AG

company registration number 00176992

to operate a regulated facility at

Cedars Maltings

Needham Road

Stowmarket

Suffolk

IP14 2AG

to the extent set out in the schedules.

The notice shall take effect from 30/11/2023.

Name	Date
Marcus Woodward	30/11/2023

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/FP3132PH

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3132PH/V007 authorising,

Muntons PLC (“the operator”),

whose registered office is

Cedars Maltings

Stowmarket

Suffolk

IP14 2AG

company registration number 00176992

to operate an installation at

Cedars Maltings

Needham Road

Stowmarket

Suffolk

IP14 2AG

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

Name	Date
Marcus Woodward	30/11/2023

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”).
- 2.1.2 For the following activities referenced in schedule 1, table S1.1 (AR2), the activities shall be undertaken in accordance with best available techniques.
- 2.1.3 All process plant and equipment shall be commissioned, operated and maintained and shall be fully documented and recorded in accordance with the manufacturer’s recommendations.

2.2 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 and S3.2.
- 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.

3.4 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 and S3.2; and
 - (b) process monitoring specified in table S3.4
- 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 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 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

- 4.3.3 Following the detection of an issue listed in condition 4.3.1, the operator shall review and revise the management system and implement any changes as necessary to minimise the risk of re-occurrence of the issue
- 4.3.4 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.5 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- In any other case:
- (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.6 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.7 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.
- 4.3.8 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
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 raw materials for malting of grains to dispatch of finished products of malt, malt extract, malted ingredients, homebrew kits for beer and wine, barley syrup, wheat-based flours, Production capacity is limited to 100,000 tonnes per day.
AR2	Section 5.4 Part A1 (b) (i)	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving biological treatment.	From generation of waste through to digestion and recovery of by-products (digestate). Anaerobic digestion of waste generated on site in two tanks followed by burning of biogas produced from the process.
AR3	Section 5.4 Part A1 (a) (ii)	Physico-chemical Treatment of non-hazardous waste waters by dissolved air flotation/pH adjustment.	From generation of waste water from activities AR1 & AR2 to discharge to River Gipping after effluent treatment consisting of UASB reactor, equalisation and neutralisation, DAF, aerobic and anoxic treatment, and sand filtration.
Directly Associated Activity			
AR4	Operation of combustion plant	<ul style="list-style-type: none"> • CHP - 0.5 MWth Biogas fired • Continuous flow dryer - 6.5 MWth Natural gas fired 	From receipt of fuel to release of products of combustion to air.
AR5	Raw material storage and handling	Storage and handling of raw materials at the installation	From receipt of raw materials to dispatch of final product.
AR6	Storage and use of chemicals and oils	Storage and use of chemicals and oils at the installation.	From receipt of chemicals and oils to disposal of wastes arising.
AR7	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.
AR8	Process cooling waters	Operation of one cooling tower	From operation of cooling towers, including chemical dosing.

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR9	Surface water drainage	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to the site surface water system.
AR10	Emergency flare operation	Incineration on land	Undertaken in relation to Activity AR 2. From the receipt of biogas produced at the on-site anaerobic digestion process to incineration with the release of combustion gases. Use of one auxiliary flare required only during periods of breakdown or maintenance of the CHP engine, biogas upgrading plant and/or auxiliary boiler.
AR11	Heat treatment	Pasteurisation of permitted wastes produced onsite using heat.	From the receipt of waste to recovery.
AR12	Gas storage	Storage of biogas produced from anaerobic digestion in stand-alone tank (excluding temporary storage, pending collection, on the site where it is produced).	Undertaken in relation to Activity AR2. Storage of biogas produced from on-site anaerobic digestion of permitted waste in roof space of two digesters. From the receipt of biogas produced at the on-site anaerobic digestion process to despatch for use within the facility.
AR13	Sludge and digestate dewatering	Post-treatment of sludge and digestate to remove water content.	From input of sludge and digestate to output – solid fraction of sludge/digestate and liquor.
AR14	Digestate storage	Storage of solid digestate in storage tank.	From the receipt of digestate produced from the on-site anaerobic digestion process to dispatch for use off-site.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/FP3132PH/A001	The response to questions 2.1 and 2.2 and 2.3 given in pages 10-67 of the application and section 4 of the application.	23/03/2005
Variation application EPR/FP3132PH/V003	All parts	30/03/2008
Application EPR/FP3132PH/V005	Responses to Parts C2 and C3 section 3 of the application form and referenced supporting documentation.	Duly made 08/12/2014
Response to Schedule 5 Notice dated 27/01/2015	Revised Odour Management Plan reference: Odour Management Plan – Anaerobic Digestion Plant at Cedars Maltings, Stowmarket. ADAS. February 2015.	02/03/2015
Response to request for information dated 06/03/2015	Revised Air Emissions Points Plan Reference: REF DRG No 40.101.001F 22/11/2011	12/03/2015
Application EPR/FP3132PH/V006	Responses to questions 3a), 3c) and 4a) of part C3 of the application form and supporting documentation regarding: <ul style="list-style-type: none"> • Technical standards; • Raw materials; and • Monitoring. 	22/02/2018
Responses to Not Duly Made Letter, dated 28/03/2018	Responses to question 4) of the Not Duly Made Letter regarding details of the home brew beer and wine kits.	24/04/2018
Responses to Schedule 5 Notice, dated 13/06/2018	Responses to questions 2i), 2ii) and 3) of the Schedule 5 Notice regarding: <ul style="list-style-type: none"> • Thermal inputs of combustion plant; and • Confirmation of low NOx burners on the new continuous flow dryer. 	13/07/2018
Regulation 61 (1) Notice – Responses to questions dated 09/06/2022	All parts	Received 07/10/2022
Request for further information dates 02/06/2023	Updated site plan, decommissioning confirmation of air emission points A1, A6, A7, and 26, decommissioning of Delta Boiler and the 3 Steam Boilers, energy efficiency plan ISO 50001 accreditation confirmation, wastewater buffer capacity, BAT-AELs to water, MCPs capacity, EPL for energy, cooling tower, number of digestors, number of emergency flares, biogas holding method, AD feedstock, and non-technical summary.	13/06/2023
Additional information (dated 16/06/2023)	Clarification provided regarding BATcs 6(a), 12, BAT-AELs to water, BAT-AELs to air, and MCPs.	22/06/2023

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC13	The Operator shall undertake air emission monitoring (method to be agreed in writing with the Environment Agency) of oxides of nitrogen (NOx) from emission point A67 (continuous flow dryer), as defined in table S3.1. The monitoring schedule shall be designed to provide data representative of typical and worst-case operating conditions and shall be in line with Technical Guidance Notes M1 (version 8, August 2017) and	31/12/2023

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	M2 (version 12, August 2017). The Operator shall submit a written report to the Environment Agency detailing the monitoring undertaken and the results obtained.	
IC14	Following the completion of IC13 and in the event that measured emissions from emission point A67 are significantly higher than the figures used in the air dispersion modelling report submitted with application EPR/FP3132PH/V006 (dated July 2018), the Operator shall carry out a revised air dispersion modelling using the emissions monitoring data and submit this to the Environment Agency to review.	31/01/2024 or as agreed in writing with the Environment Agency
IC15	The Operator shall confirm in writing to the Environment Agency that the Narrative BAT requirements for the BAT Conclusions for Food, Drink and Milk Industries with respect to BAT 4 were in place on or before 4 December 2023. Refer to BAT Conclusions for a full description of the BAT requirement.	One month from permit issue
IC16	The Operator shall submit, for approval by the Environment Agency, a report setting out progress to achieving the Best Available Techniques Conclusion Associated Emission Levels (BAT-AELs) where BAT is currently not achieved but will be achieved before 4 December 2023. The report shall include, but not be limited to, the following: 1) Current performance against the BAT-AELs. 2) Methodology for reaching the BAT-AELs. 3) Associated targets /timelines for reaching compliance by 4 December 2023. 4) Any alterations to the initial plan (in progress reports). The report shall address the BAT Conclusions for Food, Drink and Milk industries with respect to the following: • BAT 12 Table 1 (compliance with BAT-AELs for direct discharges to a receiving water body).	One month from permit issue
IC17	The Operator shall establish the methane emissions in the exhaust gas from engines burning biogas and compare these to the manufacturer's specification and benchmark levels agreed in writing with the Environment Agency. The operator shall, as part of the methane leak detection and repair (LDAR) programme, develop proposals to assess the potential for methane slip and take corrective actions where emissions above the manufacturer's specification or appropriate benchmark levels are identified.	12 months from permit issue or other date as agreed in writing with the Environment Agency.
IC18	The Operator shall undertake a programme of improvements to ensure that the relevant BAT-AEL "concentration in volume" limit of 100 mg/l for COD can be achieved, with the mass emission limit in place as an interim measure. The Operator shall submit a written report to the Environment Agency to demonstrate the feasibility of achieving the BAT-AEL.	12 months from permit issue
IC19	The operator shall produce a climate change adaptation plan, which will form part of the EMS. The plan shall include, but not be limited to: • Details of how the installation has or could be affected by severe weather; • The scale of the impact of severe weather on the operations within the installation; • An action plan and timetable for any improvements to be made to minimise the impact of severe weather at the installation.	12 months from permit issue or other date as agreed in writing with the Environment Agency

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.	

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
--	--

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A03 [Point A03 on site plan in Schedule 7]	Number 3 grain intake and PRV via cyclone	Particulate matter	No limit set	--	--	--
A04 [Point A04 on site plan in Schedule 7]	Number 1 pre-cleaner intake via cyclone	Particulate matter	No limit set	--	--	--
A10 [Point A10 on site plan in Schedule 7]	Number 3 cleaner intake	Particulate matter	No limit set	--	--	--
A12 [Point A12 on site plan in Schedule 7]	Malt dressers (Cedars)	Particulate matter	No limit set	--	--	--
A13 [Point A13 on site plan in Schedule 7]	Malt dressers (Cedars)	Particulate matter	No limit set	--	--	--
A23 [Point A23 on site plan in Schedule 7]	Micronizer/cooler	Particulate matter	No limit set	--	--	--
A28 [Point A28 on site plan in Schedule 7]	Spray dryer emergency exhaust via cyclone and bag filter	Particulate matter	No limit set	--	--	--
A32 [Point A32 on site plan in Schedule 7]	Flour plant grinder	Particulate matter	No limit set	--	--	--
A42 [Point A42 on site plan in Schedule 7]	AD plant emergency flare stack [Note 1]	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	150 mg/m ³	Hourly average	[Note 2]	BS EN 14792
		Carbon monoxide	50 mg/m ³	Hourly average	[Note 2]	BS EN15058
		Total VOCs	10 mg/m ³	Hourly average	[Note 2]	BS EN 12619
A43 [Point A43 on site plan in Schedule 7]	AD plant CHP exhaust 0.5 MWth [Note1]	Oxides of Nitrogen (NO and NO ₂)	500 mg/m ³	Hourly average	Annually	BS EN 14792

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
	Biogas fired	expressed as NO _x)				
		Carbon monoxide	1400 mg/m ³	Hourly average	Annually	BS EN15058
		Total VOCs	No limit set	Hourly average	Annually	BS EN 12619
		Sulphur dioxide (SO ₂)	350 mg/m ³	Hourly average	Annually	BS EN 14791
A44 [Point A44 on site plan in Schedule 7]	AD biodome gas holder	Biogas fugitive emissions	No limit set	--	--	--
A45 [Point A45 on site plan in Schedule 7]	Upflow anaerobic sludge blanket (UASB) - AD	Offgas Odour	No limit set	--	--	--
A46 [Point A46 on site plan in Schedule 7]	Auxiliary hot water boiler exhaust at effluent treatment plant	Odour	--	--	--	--
A47, A48 and A48a [Points A47, A48, and A48a on site plan in Schedule 7]	Pasteurisers 1, 2 and 3	Offgas Odour	No limit set	--	--	--
A49 [Point A49 on site plan in Schedule 7]	Centrifuge at AD plant	Offgas Odour	No limit set	--	--	--
A50 [Point A50 on site plan in Schedule 7]	Barley screening – Schmidt dresser via bag filter	Particulate matter	No limit set	--	--	--
A51 [Point A51 on site plan in Schedule 7]	Barley screening – de-stoner via bag filter	Particulate matter	No limit set	--	--	--
A52 [Point A52 on site plan in Schedule 7]	Heaton Green Schmidt via bag filter	Particulate matter	No limit set	--	--	--
A53 [Point A53 on site plan in Schedule 7]	Airmaster: weighers, conveyors, elevators, and	Particulate matter	No limit set	--	--	--

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
	bins 23a to 30 via bag filter					
A54 [Point A54 on site plan in Schedule 7]	Airmaster: bins 1-8 and 15-22	Particulate matter	No limit set	--	--	--
A55 [Point A55 on site plan in Schedule 7]	Bulk silo discharge auger	Particulate matter	No limit set	--	--	--
A56 [Point A56 on site plan in Schedule 7]	DAMAS cyclone: hand tip conveyors	Particulate matter	No limit set	--	--	--
A57 [Point A57 on site plan in Schedule 7]	DAMAS cyclone: packing lines and hoppers blending tips	Particulate matter	No limit set	--	--	--
A58 [Point A58 on site plan in Schedule 7]	Nederman: de-stoner mill	Particulate matter	No limit set	--	--	--
A59 [Point A59 on site plan in Schedule 7]	DCE: Nuttimaltsifter Kibblers elevators	Particulate matter	No limit set	--	--	--
A60 [Point A60 on site plan in Schedule 7]	DCE: HM3 flour bin	Particulate matter	No limit set	--	--	--
A61 [Point A61 on site plan in Schedule 7]	DCE: HM2 hammer mill	Particulate matter	No limit set	--	--	--
A62 [Point A62 on site plan in Schedule 7]	DCE: HM2 blowline	Particulate matter	No limit set	--	--	--
A63 [Point A63 on site plan in Schedule 7]	BTR Environmental: bulk silo blowline	Particulate matter	No limit set	--	--	--
A64 [Point A64 on site plan in Schedule 7]	DAMAS cyclone: blending blowline	Particulate matter	No limit set	--	--	--
A65 [Point A65 on site plan in Schedule 7]	Donaldson Torit: HM3 blowline	Particulate matter	No limit set	--	--	--

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
A66 [Point A66 on site plan in Schedule 7]	WAM: bulk silo blowline	Particulate matter	No limit set	--	--	--
A67 [Point A67 on site plan in Schedule 7]	Continuous flow dryer 6.5 MWth Natural gas fired	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	[Note 3]	--	--	--
		Carbon monoxide	[Note 3]	--	--	--
		Particulate matter	[Note 3]	--	--	--
A68 [Point A68 on site plan in Schedule 7]	Intake bin dust collector	Particulate matter	No limit set	--	--	--
A69 [Point A69 on site plan in Schedule 7]	Varinox heater 1	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	No limit set	--	--	--
		Carbon monoxide	No limit set	--	--	--
		Total VOCs	No limit set	--	--	--
A70 [Point A70 on site plan in Schedule 7]	Varinox heater 2	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	No limit set	--	--	--
		Carbon monoxide	No limit set	--	--	--
		Total VOCs	No limit set	--	--	--
		Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	No limit set	--	--	--
A71 [Point A71 on site plan in Schedule 7]	Intake pre-cleaner	Particulate matter	No limit set	--	--	--

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
A72 [Point A72 on site plan in Schedule 7]	Pacepacker packing head	Particulate matter	No limit set	--	--	--
<p>Note 1 – These limits are based on normal operating conditions and load - temperature 0°C (273K); pressure: 101.3 kPa and oxygen: 3 per cent (dry gas). The measurement uncertainty specified in LFTGN05 v2 2010 shall apply.</p> <p>Note 2 – Monitoring to be undertaken in the event the emergency flare has been operational for more than 10 per cent of a year (876 hours).</p> <p>Note 3 – Monitoring parameter and emission limit to be reviewed following completion of improvement conditions 13 and 14.</p>						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to River Gipping	Effluent treatment plant	Total daily volume of discharge	1,500 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		Biochemical Oxygen Demand (BOD)	20 mg/l	Spot sample	Monthly	EN 1899-1
		Chemical Oxygen Demand (COD)	150 kg/day [Note 1] [Note 2]	24-hour flow proportional sample	Daily	--
		Total suspended solids (TSS)	30 mg/l	24-hour flow proportional sample	Monthly until 03/12/2023	BS EN 872
					Daily from 04/12/2023	
		Total Nitrogen (TN)	20 mg/l [Note 1]	24-hour flow proportional sample	Daily	EN 12260, EN ISO 11905-1
		Total Phosphorus (TP)	2 mg/l [Note 1]	24-hour flow proportional sample	Daily	EN ISO 6878, EN ISO 15681-1 and -2, ENISO 11885
		Ammoniacal nitrogen	5 mg/l	Spot sample	Monthly	BS EN ISO

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
		expressed as N				11732
		Total iron as Fe	5 mg/l	Spot sample	Weekly	BS EN ISO 11885
		pH	5 – 9	In any 24 hours period	Monthly	BS ISO 10523
W2 on site plan in schedule 7 emission to River Gipping	Uncontaminated cooling water	Total daily volume of discharge	1,363 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
W2T on site plan in schedule 7 emission to River Gipping	Composite effluent discharge and cooling water	Temperature	25 °C [Note 3]	Weekdays Monday – Friday inclusive.	Daily sample	--
W3 on site plan in schedule 7 emission to River Gipping	Surface water discharge, roof water, yard drainage, domestic effluent	No parameter set	No limit set	--	--	--
W4 on site plan in schedule 7 emission to River Gipping	Uncontaminated surface water run-off	No parameter set	No limit set	--	--	--
W5 on site plan in schedule 7 emission to railway ditch penstock adjacent to River Gipping	Uncontaminated surface water run-off	No parameter set	No limit set	--	--	--
WL1 on site plan in schedule 7 emission to railway ditch leading to River Gipping	'Squirrels yard' run-off and treated domestic effluent via interceptor	No parameter set	No limit set	--	--	--
WL1 on site plan in schedule 7 emission to railway ditch leading to River Gipping	Warehouse yard run-off via interceptor	No parameter set	No limit set	--	--	--

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
WL3 and WL4 on site plan in schedule 7 emission to Spinny/Scrub/ Front lawn	Surface water run-off via interceptor	No parameter set	No limit set	--	--	--
WL5 and WL6 on site plan in schedule 7 emission to Woodland	Surface water run-off	No parameter set	No limit set	--	--	--
WL7 on site plan in schedule 7 emission to unnamed Woodland	Surface water run-off via interceptor	No parameter set	No limit set	--	--	--

Note 1: Emission limit applies from 4 December 2023, unless otherwise advised by the Environment Agency.

Note 2: The mass emission limit applies until completion of IC19.

Note 3: The limit of 25°C applies except where the ambient temperature of the receiving water exceeds 25°C. Under these circumstances, the temperature of the discharge will not exceed the ambient temperature of the receiving waters by more than 3°C.

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Biogas in digester	Flow	Continuous	In accordance with EU weights and measures Regulations	Process monitoring to be recorded using a SCADA system where relevant. Gas monitors to be calibrated every 6 months or in accordance with the manufacturer's recommendations
	Methane	Continuous	None specified	
	CO ₂	Continuous	None specified	
	O ₂	Continuous	None specified	
	Hydrogen sulphide	Daily	None specified	
	Pressure	Continuous	None specified	
Digester(s) and storage tank(s)	Integrity checks	Weekly	Visual assessment	In accordance with design specification and tank integrity checks.
Diffuse emissions from all sources identified in the Leak Detection and Repair (LDAR) programme	VOCs including methane	Every 6 months or otherwise agreed in accordance with the LDAR programme	BS EN 15446 In accordance with the LDAR programme	Monitoring points as specified in a DSEAR risk assessment and LDAR programme. Limit as agreed with the Environment Agency as a percentage of the overall gas production.

Emergency flare	Operating hours	Continuous	Recorded duration and frequency. Recording using a SCADA system or similar system	Date, time and duration of use of auxiliary flare shall be recorded.
	Quantity of gas sent to emergency flare			Quantity can be estimated from gas flow composition, heat content, ratio of assistance, velocity, purge gas flow rate, pollutant emissions.
Pressure relief valves and vacuum systems	Gas pressure	Continuous	Recording using a SCADA system	Continuous gas pressure shall be monitored.
	Re-seating	Weekly inspection	Visual	Operator must ensure that valves are re-seated after release in accordance with the manufacturer's design.
	Inspection, maintenance, calibration, repair and validation	Following foaming or overtopping or at 3 yearly intervals whichever is sooner	Written scheme of examination in accordance with condition 1.1.1	After a foaming event or sticking, build-up of debris, obstructions or damage, operator must ensure that pressure relief valve function remains within designed gas pressure in accordance with the manufacturer's design by suitably trained and qualified personnel.
	Inspection, calibration and validation report	In accordance with design and construction specifications or after over topping or foaming event	Written scheme of examination in accordance with condition 1.1.1	Operator must ensure that valves are re-seated after release, after a foaming event or sticking, build-up of debris, obstructions or damage. Operator must ensure that PRV function remains within designed operation gas pressure in accordance with the manufacturer's design by suitably trained/qualified personnel. Inspection, calibration and validation report. In accordance with industry Approved Code of Practice
Storage lagoon and storage tanks	Volume	Daily	Visual or flow metre measurement	750 mm freeboard must be maintained for storage lagoons. Records of volume must be maintained.

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Biogas from digesting tanks; biogas storage tank	Flow	Continuous	--	--
	Methane	Continuous	--	Gas monitors to be calibrated every 6 months to manufacturer's recommendations.
	Hydrogen sulphide	Daily	--	--
Biogas from digesting tanks, biogas storage tank, digestate storage tank, waste reception areas and external storage	Odour	Daily	Olfactory monitoring	Odour detection at the site boundary

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
Point source emissions to air Parameters as required by condition 3.5.1	Combustion A42 and A43	Every 12 months	1 January
	A67 Subject to completion of IC13 and IC14	Every 12 months	1 January
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	W1, W2 and W2T	Quarterly	1 January, 1 April, 1 July & 1 October

Table S4.2: Annual production/treatment	
Parameter	Units
Production of malt	tonnes
Product of malt extract	tonnes
Production of wet grains	tonnes
Electricity generated	MWh
Biomethane generated	tonnes or m ³
Liquid digestate	tonnes or m ³
Solid digestate	tonnes
Wastewater treated	m ³

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Waste disposal and/or recovery	Annually	tonnes
CHP gas engine use	Annually	hours
CHP engine efficiency	Annually	%
Emergency flare operation	Annually	hours
COD efficiency	Annually*	COD te/te product
Food waste	Annually	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
*COD efficiency to be calculated on a weekly frequency, reported annually		

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
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Process monitoring	Form process 1 or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Food Waste	Food waste Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 06/02/2023
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	

(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 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.

“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.

“emissions to land” includes emissions to groundwater.

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

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

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

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

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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

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

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

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Pests” means Birds, Vermin and Insects.

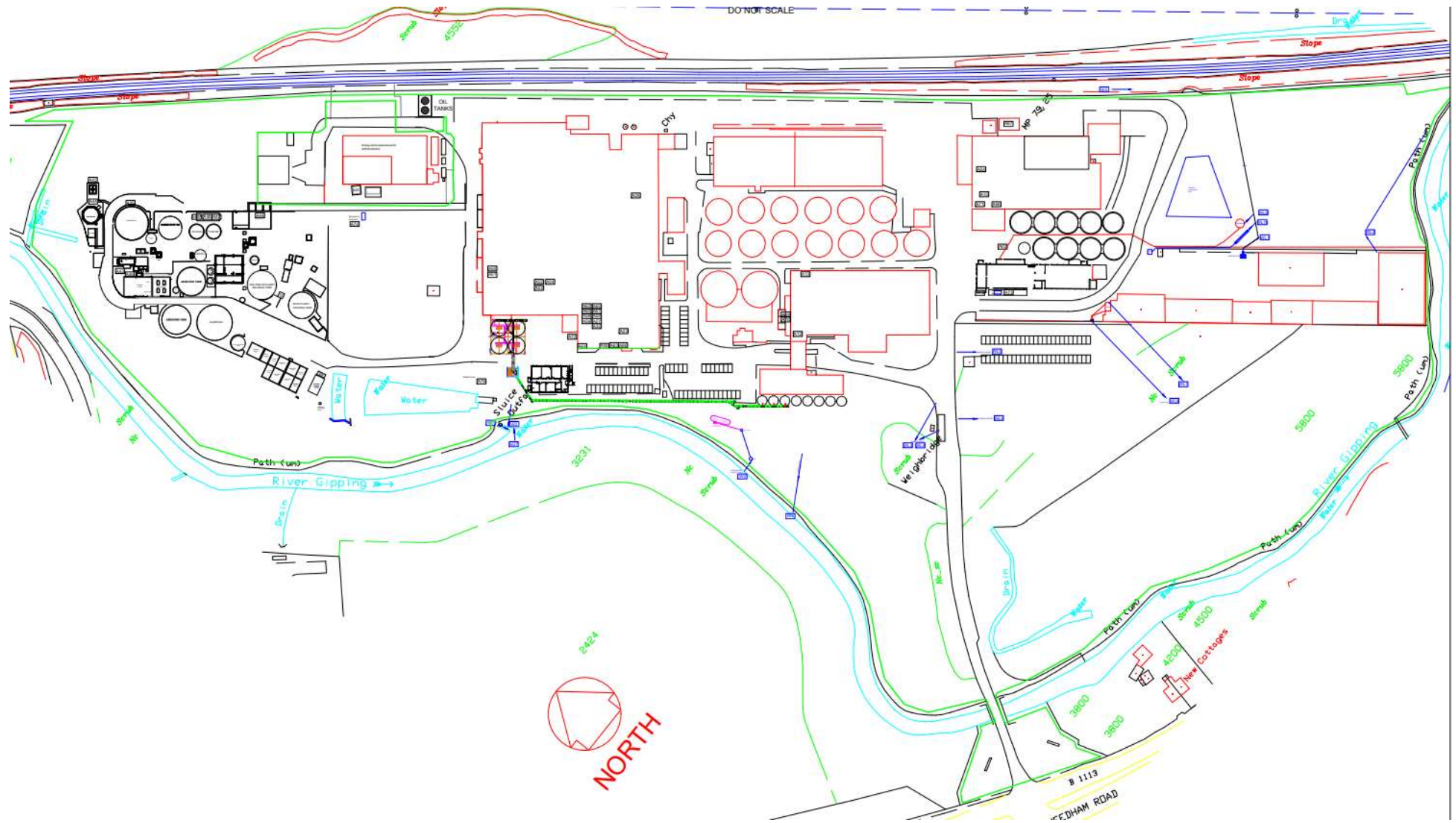
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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