

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Birds Eye Limited
Lowestoft Food Factory
Whapload Road
Lowestoft
Suffolk
NR32 1XQ

Variation application number

EPR/NP3333UU/V006

Permit number

EPR/NP3333UU

Lowestoft Food Factory

Permit number EPR/NP3333UU

Introductory note

This introductory note does not form a part of the notice

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

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

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

We have implemented the requirements of the Medium Combustion Plant directive, and incorporated post-dated requirements for 2025 or 2030.

The schedules specify the changes made to the permit.

The main features of the permit are as follows.

The site is a Food and Drink Installation which produces coated fish, poultry and meat-free products. The activities described fall under the following part of the Environmental Permitting Regulations:

Section 6.8 Part A (1) (d) (iii): Treatment and processing of animal and vegetable raw materials for the production of food or feed, both in separate or combined products, at a plant with a total production capacity exceeding 75 tonnes per day.

Birds Eye Lowestoft is a major producer of frozen foods. The Lowestoft factory operates four main production departments:

- Red meat (Denes I)
- Vegetables (Denes II)
- Potatoes (Denes III)
- White meat (Denes IV)

The main emissions to air arise from the combustion plants on site, used to generate heat and power to support the permitted activities, together with odour abatement systems and local exhaust ventilation.

The main emissions to water arise from a primary settlement tank which discharge process effluent to sewer under a trade effluent consent. The capacity of the system makes this a listed activity in its own right:

Section 5.4 Part A (1) a ii): Disposal, recovery or a mixture of disposal and recovery of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico-chemical treatment.

The installation is sited in Lowestoft, Suffolk and is centred at National Grid Reference (NGR): TM 55347 93635. The site is situated in a flood risk zone. In addition, the site is located within 10km of the following designated habitats:

Sothorn North Sea, Special area of Conservation (SAC), The Broads (SAC), Outer Thames Estuary, Special Protection Area (SPA), Broadland (SPA and Ramsar), Benacre to Easton Bavents (SPA).

Furthermore, there are several local nature reserves and local wildlife sites in the vicinity of the site.

The site has an externally accredited environmental management system to ISO 14001.

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 FP3137PD	Received 03/08/2004	Application for meat and vegetable processing site
Response to extend determination period	Request date 22/12/2004 and 29/03/2005	Responses dated 04/01/2004 and 01/04/2005
Request for additional information	Request date 22/12/2004	Response dated 22/12/2004
Request for additional information	Request date 21/12/2004	Response dated 23/12/2004
Permit determined	15/02/2005	Issued to Unilever Ice Cream and Frozen Foods Limited
Transfer of Permit NP3333UU	15/02/2007	Issued to Birds Eye Limited
Variation Notice – NP3333UU	07/03/2007	Issued
Variation Notice EPR/NP3333UU/V003	11/12/2009	Issued
Application EPR/NP3333UU/V004 (variation and consolidation)	Duly Made 01/11/2013	--
Request for additional information - Schedule 5	23/12/2013	Response dated 04/02/2014
Request for additional information	26/02/2014	Response dated 03/03/2014
Request for additional information - Schedule 5	05/03/2014	Response dated 05/03/2014
Variation Notice - EPR/NP3333UU	07/03/2014	Issued
Application EPR/NP3333UU/V005 (variation and consolidation)	Duly made 24/02/2022	Application to extend factory building Denes 1, to add a new line, install new boiler and scrubber system
Further information received	17/11/2022	H1 Emissions to Atmosphere Assessment Report Dated: October 2022
Permit issued EPR/NP3333UU	01/12/2022	Varied and consolidated permit issued in modern format
Application EPR/NP3333UU/V006 (variation and consolidation)	Regulation 61 Notice response received 30/11/2022	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review
Additional information received	12/01/2024 and 25/01/2024	Confirmation of techniques used relating to BAT 6, BAT 7 and BAT 11. Further information on Site Condition Report, on-site MCPs and Relevant Hazardous Substances.
Variation determined and consolidation issued EPR/NP3333UU (Billing ref. MP3147JJ)	26/02/2024	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/NP3333UU

Issued to

Birds Eye Limited (“the operator”)

whose registered office is

**1 New Square
Bedfont Lakes Business Park
Feltham
Middlesex
TW14 8HA**

company registration number 00343496

to operate a regulated facility at

**Lowestoft Food Factory
Whapload Road
Lowestoft
Suffolk
NR32 1XQ**

to the extent set out in the schedules.

The notice shall take effect from 26/02/2024

Name	Date
Beccy Brough	26/02/2024

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/NP3333UU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/NP3333UU/V006 authorising,

Birds Eye Limited (“the operator”),

whose registered office is

1 New Square

Bedfont Lakes Business Park

Feltham

Middlesex

TW14 8HA

company registration number 00343496

to operate an installation at

Lowestoft Food Factory

Whapload Road

Lowestoft

Suffolk

NR32 1XQ

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

Name	Date
Beccy Brough	26/02/2024

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.2 Energy efficiency

1.2.1 The operator shall:

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

1.3 Efficient use of raw materials

1.3.1 The operator shall:

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

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

1.4.1 The operator shall take appropriate measures to ensure that:

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

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

2 Operations

2.1 Permitted activities

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

2.2 The site

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

2.3 Operating techniques

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

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

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

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

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

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.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR3) the first monitoring measurements shall be carried out within four months of 01/01/2025 (A22) or 01/01/2030 (A4, A5, A8, A9, A16) or of the date when the MCP is first put into operation, whichever is later.

3.2 Emissions of substances not controlled by emission limits

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

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2.
- 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 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency

when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

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

Where the operator is a registered company:

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

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

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

In any other case:

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

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

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

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

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

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR1	Section 6.8 A1 (d)(iii)(aa)	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) – animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than 75.	From receipt of raw materials delivered to the site to the despatch finished products Production capacity is limited to 102 tonnes per day.
AR2	Section 5.4 Part A1 (a) (ii)	Physico-chemical treatment of non-hazardous waste waters by dissolved air flotation and pH adjustment.	From generation of waste water to discharge to sewer under consent of Anglian Water.
Directly Associated Activity			
AR3	Steam supply	Medium Combustion plant: 1 x 8.5 MWth combined heat and power plant 2 x 2.3 MWth gas fired boilers 1 x 2.4 MWth gas fired boiler 1 x 2.9 MWth gas fired boiler 2 x 1.2 MWth gas fired boilers - (thermal oil heaters)	From receipt of fuel to release of products of combustion to air.
AR4	Raw material storage and handling	Storage and handling of raw materials at the installation.	From receipt of raw materials to despatch of final product.
AR5	Use of refrigerants	Use of refrigerants in cooling, chilling and/or freezing systems at the installation.	From receipt of raw materials to despatch 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.

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR8	Surface water drainage	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to the site surface water system.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in the Supplementary Technical Information Final Report	03/08/2004 Revised 2009
Application EPR/NP3333UU/V004	Application form EPC part C2 question 2b response. Application form EPC part C3 question 3a and supporting document "Overview of the 3.3 mW CHP development"	Duly made 11/11/2013
Application EPR/NP3333UU/V005	C3 of the application section 3 - Answers to Section 3 on application form Part C3	24/02/2022
Additional information	- Technical details of new Wanson boiler - Technical details of The Jimco UV fume scrubber system H1 Risk assessment Emissions to Atmosphere Assessment Report	18/08/2022 and 17/11/2022
Regulation 61 (1) Notice – Responses to questions dated 01/08/2022	All parts	Received 30/11/2022
Regulation 61(1) Notice – request for further information dated 13/12/2023	Technical standards in relation to Best available techniques as described in BAT conclusions under Directive 2010/75/EU of the European Parliament and of the Council on establishing best available techniques (BAT) conclusions for the food, drink and milk industries, BAT Conclusions Numbers 2, 6, 7 and 11. In addition, further information on Relevant Hazardous Substances and Medium Combustion Plants and site condition report.	Received 12/01/2024

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC11	<p>The operator shall submit, for approval by the Environment Agency, a report demonstrating achievement of the 'Narrative' BAT conclusions as identified in the Food, Drink and Milk Bref published on 4 December 2019 where BAT is currently not demonstrated or achieved. The report shall include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • Methodology applied for achieving BAT • Demonstrating that BAT has been achieved. <p>The report shall address the BAT Conclusions for Food, Drink and Milk Industries with respect to BATc 6(a)</p> <p>Refer to BAT Conclusions for a full description of the BAT requirement.</p>	3 months from date of issue or as agreed in writing by the Environment Agency

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A4 Energy Centre- Point marked A4 on Site Plan in Schedule 7	Boiler Cochran 2 Calpac – 2.4 MWth natural gas fired boiler [note 1]	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	250 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	Every three years	BS EN 15058
A5 Boiler House- Point marked A5 on Site Plan in Schedule 7	Robey No 3 boiler – 2.9 MWth natural gas fired boiler [note 1]	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	250 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	Every three years	BS EN 15058
A8 Denes 3- Point marked A8 on Site Plan in Schedule 7	Robey No 1 boiler – 2.3 MWth natural gas fired boiler [note 1]	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	250 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	Every three years	BS EN 15058
A9 Denes 3- Point marked A9 on Site Plan in Schedule 5	Robey No 2 boilers – 2.3 MWth natural gas fired boiler [note 1]	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	250 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	Every three years	BS EN 15058
A11 Dene 4, roof- Point marked A11 on Site Plan in Schedule 7	Single Column Water Scrubber c/w Venturi	No parameters set	No set limit	--	--	--
A12 Denes 3- Point marked A12 on Site Plan in Schedule 7	Two Stage Water Scrubber Activated Carbon	No parameters set	No set limit	--	--	--

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
A13 Denes 4- Point Marked A13 on Site Plan in Schedule 7	D4 Jimco UV Scrubber – Line 1	No parameters set	No set limit	--	--	--
A14 Denes 4- Point Marked A14 on Site Plan in Schedule 7	D4 Jimco UV Scrubber – Line 3	No parameters set	No set limit	--	--	--
A15 Denes 1- Point Marked A15 on Site Plan in Schedule 7	D1 Jimco UV Scrubber – Line 5	No parameters set	No set limit	--	--	--
A16 Denes 1- Point marked A16 on Site Plan in Schedule 7	D1 (Line 5) Wanson TPC1000B Thermal oil heater – 1.2 MWth natural gas fired boiler [note 1]	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	250 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	Every three years	BS EN 15058
A17 Denes 3 - Point marked A17 on Site Plan in Schedule 7	D3 (Line 1) Wanson TPC600B Thermal oil heater – 0.7 MWth natural gas fired boiler	No parameters set	No set limit	--	--	--
A18 Denes 4- Point marked A18 on Site Plan in Schedule 7	D4 Branders – Line 2 & Line 4	No parameters set	No set limit	--	--	--
A20 Denes 3- Point marked A20 on Site Plan in Schedule 7	ITT Reznor Space Heater XB223	No parameters set	No set limit	--	--	--
A21 Denes 3- Point marked A21 on Site Plan in Schedule 7	ITT Reznor Space Heater 2002	No parameters set	No set limit	--	--	--

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
A22 CHP- Point marked A22 on Site Plan in Schedule 7	CHP plant - 8.5 MWth natural gas fired CHP engine [note 2]	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	190 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	Every three years	BS EN 15058
A23 Denes 1 - point marked A23 on Site Plan in Schedule 7	Jimco UV and O Zone system UV Scrubber – line 6	No parameters set	No set limit	--	--	--
A24 Denes 1 – point marked A24 on Site Plan in Schedule 7	Wanson TPC 1000B Thermal oil heater (Line 6) – 1.2 MWth natural gas fired boiler	Oxides of nitrogen (NO and NO ₂ expressed as NO _x)	100 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon Monoxide	No limit set	Periodic	Every three years	BS EN 15058
A25 Denes 4 -point marked A25 on Site Plan in Schedule 7	Denes 4 lines 1 & 2 gas fired fryers	No parameters set	No set limit	--	--	--
A26 Denes 4 -point marked A26 on Site Plan in Schedule 7	Denes 4 lines 3 & 4 gas fired fryers	No parameters set	No set limit	--	--	--
A27 Denes 4 -point marked A27 on Site Plan in Schedule 7	Denes 3 Line 1 gas fired fryer	No parameters set	No set limit	--	--	--
A28 Denes 4 -point marked A28 on Site Plan in Schedule 7	D4 Jimco UV Scrubber – Line 2	No parameters set	No set limit	--	--	--
A29 Denes 4 -point marked A29 on	D4 Jimco UV Scrubber – Line 4	No parameters set	No set limit	--	--	--

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
Site Plan in Schedule 7						
A30 Denes 4 -point marked A30 on Site Plan in Schedule 7	CO ₂ BOC - D4	No parameters set	No set limit	--	--	--
A31 Denes 4 -point marked A31 on Site Plan in Schedule 7	Nitrogen used for Denes 4 refrigeration	No parameters set	No set limit	--	--	--
A32 Denes 4 -point marked A32 on Site Plan in Schedule 7	CO ₂ BOC - D1	No parameters set	No set limit	--	--	--
A33 Energy centre on Site Plan in Schedule 7	INERGEN Gas (Highly compressed mixture of gases – only used in emergencies)	No parameters set	No set limit	--	--	--
Note 1: Emission limit and monitoring requirements apply from January 2030						
Note 2: Emission limit and monitoring requirements apply from January 2025						

Table S3.2 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 [Point S1 on site plan in schedule 7] emission to Ness Point WWTW	Treated process effluent from onsite effluent treatment plant	No parameters set	No limit set	--	--	--

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	A24	Every three years	January 2023
	A4, A5, A8, A9, A16 and A22	First monitoring undertaken in accordance with Condition 3.1.4 to be reported within 3 months, and then every 3 years thereafter.	From first monitoring requirements in accordance with Condition 3.1.4

Table S4.2: Annual production/treatment	
Parameter	Units
Annual production	tonnes
Raw material usage	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Waste	Annually	tonnes
COD efficiency	Annually*	COD te/te product
Food waste	Annually	Tonnes

*COD efficiency to be calculated on a weekly frequency, reported annually

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
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Table S4.4 Reporting forms		
Parameter	Reporting form	Form version number and date
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Food Waste	Food waste Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1 06/02/2023
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

(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.

“emissions to land” includes emissions to groundwater.

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

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

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

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

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

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

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

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

“Pests” means Birds, Vermin and Insects.

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

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

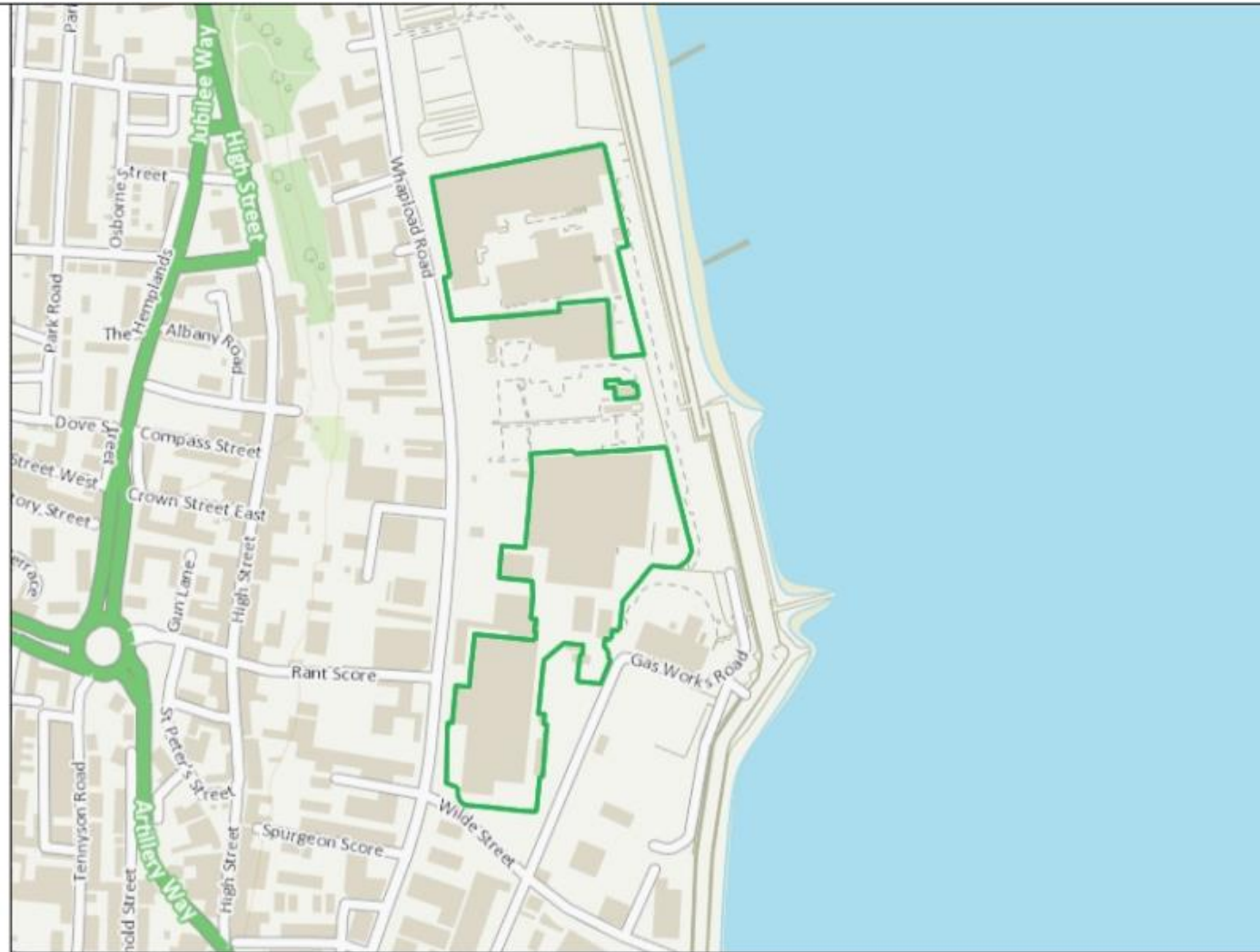
- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels ; and/or
 - in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

“year” means calendar year ending 31 December.

Schedule 7 – Site plan

i) Site boundary plan

Legend



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ii) Air emission plan



END OF PERMIT