

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Dunhills (Pontefract) PLC

Pontefract Confectionery Production Plant
26 Front Street
Pontefract
West Yorkshire
WF8 1NJ

Permit number

EPR/LP3232EG

Pontefract Confectionery Production Plant

Permit number EPR/LP3232EG

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Pontefract Confectionery Production Plant is an installation located in Pontefract West Yorkshire. The site is set in an urban area and is bound by public highways to all sides. The site undertakes the production of gelatine based confectionery. The site now requires a Part A environmental permit, following the 2013 update to the Environmental Permitting Regulations which implemented the Industrial Emissions Directive (IED). This redefined the thresholds for the food and drink sector based on the maximum production capacity of the installation:

Section 6.8 Part A (1) (d) (iii) (bb) - Treatment and processing, of 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 $[300-(22.5 \times A)]$ tonnes per day (where 'A' is the portion of animal material in percent of weight of the finished product production capacity and is less than 10%).

The factory has the capacity to produce 180 tonnes of finished product per day with approximately 6% animal material (gelatine) content.

The key stages of the process undertaken at the installation are receipt and storage of raw materials, preparation and cooking of ingredients, chilling, and packaging. The fully prepared and packaged product is sent off site for storage and distribution.

Jelly confectionery is produced by mixing glucose syrup, sugar dextrose and gelatine or starch. Colouring and flavours are added to the mixture on the production line. The recipe mix is then poured into form trays which are made from corn starch moulds. The form trays are stored in ambient conditions or air conditioned rooms for a number of days to cure. Once cured the trays are fed back into the production machine which separates jellies from the starch. The jellies are either then coated with oil, wax, or a sugar and citric acid mix. Liquorice confectionery are produced by mixing sugar, glucose, gelatine, liquorice extract and molasses. Creams are made mixing powder sugar, vegetable fats, colours and flavours. Both pass through an extruder before passing through a cooling tunnel and then sliced. All products are packaged on site and sent for storage and distribution by a third party.

There are no direct emissions to surface water or groundwater from the site. Surface water run-off drains into two Yorkshire Water combined sewers at three locations, one serving the North of the site on Front Street and two to the South of the site at Watergate. There is an additional drainage system which collects all process effluent from the production processes. All process effluent is collected and removed from the site by road tanker for disposal.

Point source emissions to air arise from the operation of a 7MWth natural gas fired boiler for the generation of steam and the venting of steam and vapours from production processes and washing. Particulates also arise from the silos, starch conditioning plant, starch sieve, sanding and colour kitchen vents, and dust extraction filters serving the starch conditioning plant and the sieving room.

The following directly associated activities are also undertaken on site:

- Combustion - Operation of a 7MWth gas fired boiler to generate steam used in the process.
- Storage of raw materials - All raw materials are stored onsite, in conditions appropriate for the protection of the materials. Storage includes silos, heated tanks, refrigerated rooms, and ambient warehousing. The movement of raw materials and products throughout the factory is undertaken using sealed transmission lines and conveyors.

- Generation, storage and handling of solid and liquid waste –Solid waste is segregated and collected in wheelie bins before transfer to compactor. All waste is sent for recycling, including general waste which goes through an automated sorting and manual picking system, with additional waste management processes eliminating all product from landfill. All effluent from the production processes flow to an effluent storage sump which pumps to an external stainless steel storage vessel. All process effluent is collected and removed from the site by road tanker for disposal.
- Cleaning – All production machines are cleaned daily (only if the machine has been used for production within the day). Cleaning chemicals for production plant is limited to a caustic solution and mild detergent. The cleaning shift takes place every night between 10pm and 6am. Product planning is carried out during the day to minimise the need for cleaning production machinery outside this allocated time for cleaning. Sequential cleaning techniques are used to minimise the use of water and cleaning chemicals. Throughout the site there are trigger operated spray guns which are used in cleaning processes. There are also a number of hoses which do not have an automatic shut-off. Throughout the production spaces there is adequate provision of sweeping brushes and pans to allow for dry clean up.
- Storage and handling of chemicals - There are specific chemical stores for the storage of process cleaning chemicals on site.
- Starch conditioning plant – Throughout the production process starch is used to create moulds. The production machines are designed to maximize the recovery of the starch. The starch is re-circulated continually and is reconditioned on-site between uses to minimise the amount of starch required and to minimise waste. This plant enables the recycling of starch once the final product has been removed. The extraction system is ducted and finally emits to atmosphere via 11 exhaust on the side of the building.
- Refrigeration – There are 46 items of refrigeration plant which contain a total of 120.2kg of refrigerant. There is one small storage room which is chilled; this is used to store colours and flavours. The refrigerant gasses used at the Installation comprise R410a, R407c, R134a and R22. R22 is contained in the single and multi-split systems. Process cooling is carried out by the use of water and a single air conditioned cooling tunnel serviced by an air conditioning plant. A visual high temperature alarm is installed in addition to an audible door open alarm. Refrigeration plant is periodically inspected and maintained. These inspections include a leak test, which are carried out in line with statutory requirements for leak testing.

The nearest residential receptors lie 55m north east of the site, with further residential areas located 150m to the south and 165m to the west. There are no SACs, SPAs or Ramsar's within 10km, or SSSIs within 2km, of the installation boundary.

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

Status log of the permit		
Description	Date	Comments
Application EPR/LP3232EG/A001	Duly made 17/03/15	Application for an environmental permit.
Response to Schedule 5	13/10/16	Confirmation of site boundary, clarification of noise attenuation, confirmation of point source emissions to air.
Additional information received	07/11/16	Confirmation of refrigerants used.
Permit determined	07/12/16	Permit issued to Dunhills (Pontefract) PLC.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/LP3232EG

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Dunhills (Pontefract) PLC (“the operator”),

**26 Front Street
Pontefract
West Yorkshire
WF8 1NJ**

company registration number 00160251

to operate an installation at

**Pontefract Confectionery Production Plant
26 Front Street
Pontefract
West Yorkshire
WF8 1NJ**

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

Name	Date
SIMON HEWITT	07/12/2016

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

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

1.2 Energy efficiency

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

1.3 Efficient use of raw materials

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

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

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

2 Operations

2.1 Permitted activities

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

2.2 The site

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

2.3 Operating techniques

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

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

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

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

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

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

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 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.
- 3.3.2 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 For the following activities referenced in schedule 1, table S1.1 (A1 to A4 etc.) A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 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.

4.3.4 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.

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

4.3.6 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

Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
<p><i>Section 6.8 Part A (1) (d) (iii) (bb) - Treatment and processing, of 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 $[300 - (22.5 \times A)]$ tonnes per day (where 'A' is the portion of animal material in percent of weight of the finished product production capacity and is less than 10%).</i></p>	<p>Manufacture of jellied confectionery including receipt and storage of raw materials; preparation and cooking of ingredients; chilling and packaging.</p>	<p>From receipt of raw materials to dispatch of finished packaged products.</p>
<p>Directly Associated Activity</p>		
<p>Combustion plant</p>	<p>Operation of a 7MWth natural gas fired boiler for the generation of steam.</p>	<p>Receipt of fuel to emission of combustion gases.</p>
<p>Storage of raw materials</p>	<p>Raw materials stored in silos, heated tanks, refrigerated rooms, and ambient warehousing.</p>	<p>From receipt of raw materials to use on site.</p>
<p>Generation, storage and handling of waste</p>	<p>Generation, storage and handling of solid and liquid wastes.</p>	<p>From generation of waste to their removal off-site.</p>
<p>Storage and handling of chemicals</p>	<p>Handling and storage of chemicals for cleaning and equipment maintenance.</p>	<p>From receipt of chemicals to use on site.</p>
<p>Starch conditioning plant</p>	<p>Re-cycling of starch for reuse in the process.</p>	<p>From receipt of starch to re-use on site.</p>
<p>Refrigeration plant</p>	<p>Refrigeration plant comprising of</p> <ul style="list-style-type: none"> • Air Handling Units - AHUs, • Packaged Systems, Variable Refrigerant Flow Systems, • Single and Multi-Split Systems) 	<p>From receipt of refrigerant to dispatch of product.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	B3 of the application section 3 - Answers to Section 3 on application form Part B3 including references to the Food and Drink Sector Guidance EPR 6.10 and the Food, Drink and Milk Industries BREF. Supporting Documents – Section 1:Non-technical Summary, Section 4: Process overview, Section 6: BAT, Section 9: Management System Summary, Section 11: Climate Change Agreement	Duly Made 17/03/15
Response to Schedule 5 Notice dated 04/10/16	Response to questions 1) Noise attenuation 2) Drainage plan 3) emission source points to air.	13/10/16

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall review the measures in place to prevent spillage and loss of containment during the transfer of trade effluent from the holding tank to the road tanker. The operator shall submit a summary report setting out the improvements to be made, with timescales, to minimise the risks and demonstrate Best Available Technique for approval in writing by the Environment Agency.	07/06/17
IC2	The Operator shall produce an Odour Management Plan in accordance with Environment Agency guidance, H4 Odour Management, having regard and addressing the shortfalls in question 6 of Schedule 5 dated 04/10/16. The Operator should submit the plan for review and approval in writing by the Environment Agency.	07/06/17
IC3	The Operator shall review their refrigerant used on site and cease to use any which are no longer deemed as unacceptable. The Operator shall substitute unacceptable refrigerants with suitable alternatives as soon as reasonably practicable. The operator shall submit a summary report setting out the operators intentions, with appropriate timescales, for approval in writing by the Environment Agency.	07/06/17

Schedule 2 – Waste types, raw materials and fuels

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

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	Boiler stack	Combustion gases	No limits set	--	--	--
A2 – A3 [Point A2 – A3 on site plan, in Schedule 7]	Sugar silo vents	Particulate matter	No limits set	--	--	--
A4 [Point A4 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A5 [Point A5 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A6 [Point A6 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A7 [Point A7 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A8 [Point A8 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A9 [Point A9 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A10 [Point A10 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A11 [Point A11 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1

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
A12 [Point A12 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A13 [Point A13 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A14 [Point A14 on site plan, in Schedule 7]	Starch conditioning plant vents via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A15 - A17 [Point A15 – A17 on site plan, in Schedule 7]	Sanding plant vents	Water vapour	No limits set	--	--	--
A18 [Point A18 on site plan, in Schedule 7]	Steam extraction vent	Water vapour	No limits set	--	--	--
A19 [Point A19 on site plan, in Schedule 7]	Tray wash vent	Water vapour	No limits set	--	--	--
A20 [Point A20 on site plan, in Schedule 7]	Starch sieve vent via bag filters	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1
A21 [Point A21 on site plan, in Schedule 7]	Colour kitchen vent	Particulate matter	50 mg/m ³	Hourly Average	Annually	BS EN 13284-1

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 [W4 – W6 on site plan in Schedule 7] Discharge to Yorkshire Water combined sewer.	Surface water run-off	No parameters set	No limits set	--	--	--

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to Air Parameters as required by condition 3.5.1	A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A20, A21	Every 12 months	1 January

Table S4.2: Annual production/treatment	
Parameter	Units
Total production	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Tonnes of waste sent off site for recovery or disposal	Annually	tonnes
Refrigerant use	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	07/12/16
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	07/12/16
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	07/12/16

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

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

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

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

“Pests” means Birds, Vermin and Insects.

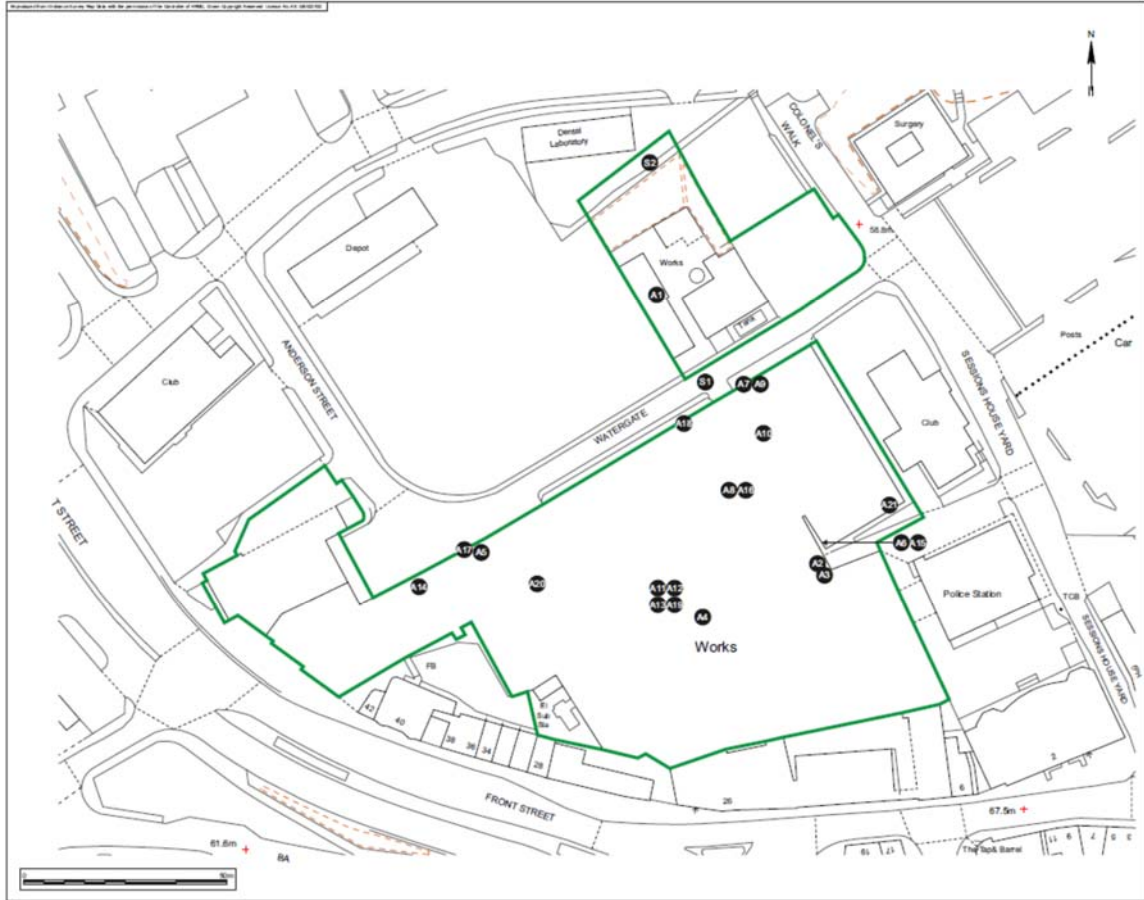
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

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

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



END OF PERMIT