

# Permit with introductory note

## The Environmental Permitting (England & Wales) Regulations 2010

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Dunhills (Pontefract) PLC  
Castleford Production Facility  
Whitwood Common Lane  
Castleford  
West Yorkshire  
WF10 5GT

### **Permit number**

EPR/SP3938DE

# Castleford Production Facility

## Permit number EPR/SP3938DE

### Introductory note

#### **This introductory note does not form a part of the permit**

The main features of the permit are as follows.

The operator, Dunhills (Pontefract) PLC has applied for a new bespoke environmental permit (EPR/SP3938DE/A001).

The Castleford manufacturing facility is located on Whitwood Common Lane, Castleford, West Yorkshire, WF10 5GT. The site is set in an urban area. 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%).*

When fully commissioned the Installation will have a daily production capacity of approximately 267 tonnes when all production machines are operational and the company's finished products will have 5.17% animal material by weight. The above stated production capacity is based on five production machines operating twenty-two hours per day, allowing for two hours of daily cleaning and maintenance. In practice the production machines will not operate at the maximum designed output capacity as this results in the quality of the product decreasing. The overall production capacity taking into account quality constraints and time for cleaning and maintenance is 198 tonnes per day.

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. All products are packaged on site and sent for storage and distribution by a third party.

There is a direct emission to surface water and to sewer from the site. Effluent associated with the production process is routed to an underground sump, which then pumps the effluent to an above ground tank prior to being removed from the installation by road tankers. The effluent drainage system is segregated from the surface water drainage system (which discharges to the Wain Dike Beck) and the wastewater system (which discharges to the municipal sewer).

Point source emissions to air arise from the operation of a 13MWth natural gas fired boiler for the generation of steam and the venting of steam and vapours from production processes and washing. The applicant has provided details for twenty eight point source emissions to air.

The following directly associated activities are also undertaken on site:

- Combustion - Operation of a 13MWth 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, refrigeration units, and ambient warehousing.
- Generation, storage and handling of solid and liquid waste

- 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.
- 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.
- Refrigeration – One central chiller serves eleven air handling units (AHUs) (nine of which are located on the roof of the production building and two of which are located on the mezzanine floor). Each AHU features a heating and cooling coil in addition to filtration of expelled air. Only one of the AHUs features a heat recovery module (the AHU serves the administrative offices), the remaining systems do not recover any heat for reuse in the heating coils or other processes. All of the air conditioned areas of the factory feature fast close doors. There are no chilled storage areas in the factory, with the exception of one mobile chilled trailer unit which operates independently of all chiller plant at the Installation, given the scale of the unit this is not considered significant.

There are two local wildlife sites and ancient woodlands 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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application EPR/SP3938DE/A001	Duly made 20/03/17	Application for new bespoke environmental permit.
Issued Schedule 5 Notice	16/05/2017	Requesting revised H1 assessment.
Receipt of Schedule 5 response	14/08/2017	Revised H1 assessment.
Permit determined EPR/SP3938DE PAS Billing ref. SP3938DE	05/09/2017	Permit issued to Dunhills (Pontefract) PLC.

End of introductory note.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2010

### Permit number

**EPR/SP3938DE**

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

**Dunhills (Pontefract) PLC** ("the operator"),

whose registered office is

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

company registration number **00160251**

to operate an installation at

**Castleford Production Facility  
Whitwood Common Lane  
Castleford  
West Yorkshire  
WF10 5GT**

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

Name	Date
J Linton	06/09/2017

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.

### **2.5 Pre-operational conditions**

2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.

2.5.2 The operations specified in schedule 1 table S1.4B shall not commence until the measures specified in that table have been completed.

### **3 Emissions and monitoring**

#### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

#### **3.2 Emissions of substances not controlled by emission limits**

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

#### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

#### **3.4 Noise and vibration**

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

## **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1, S3.2 and S3.3.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

## **3.6 Pests**

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
  - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

# **4 Information**

## **4.1 Records**

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
  - (b) be made as soon as reasonably practicable;
  - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
  - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
    - (i) off-site environmental effects; and
    - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.



## 4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production /treatment data set out in schedule 4 table S4.2; and
  - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
  - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

## 4.3 Notifications

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

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

## **4.4 Interpretation**

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

# Schedule 1 – Operations

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
A1	S6.8 Part A (1)(d)(iii)(bb) <i>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 <math>[300-(22.5 \times A)]</math> 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>	Manufacture of jellied confectionery including receipt and storage of raw materials; preparation and cooking of ingredients; chilling and packaging.	From receipt of raw materials to dispatch of finished packaged products.
<b>Directly Associated Activity</b>			
A2	Steam Boiler (13MWth input)	The generation of steam through the combustion of natural gas or gas oil.	Receipt of fuel to emission of combustion gases.
A3	Water Treatment		From incoming mains water treatment for boiler feed water usage and production on site.
A4	Storage of raw materials	Raw materials stored in silos, heated tanks, refrigerated rooms, and ambient warehousing.	From receipt of raw materials to use on site.
A5	Generation, storage and handling of waste	Generation, storage and handling of solid and liquid wastes.	From generation of waste to their removal off-site.
A6	Storage and handling of chemicals	Handling and storage of chemicals for cleaning and equipment maintenance.	From receipt of chemicals to use on site.
A7	Starch conditioning plant	Re-cycling of starch for reuse in the process.	From receipt of starch to re-use on site.
A8	Air Handling & Refrigeration Plant	Refrigeration plant including Air Handling units	From receipt of refrigerant to dispatch of product.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application EPR/SP3938DE/A001	B3 of the application section 3 - Answers to Section 3 on application form Part B3 including references to the Food	Duly Made 20/03/17

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
	and Drink Sector Guidance EPR 6.10 and the Food, Drink and Milk Industries BREF.	
Application EPR/SP3938DE/A001	Supporting Documents – UK16-23255 ,Process Overview, dated 24/11/2016	Duly Made 20/03/17
Application EPR/SP3938DE/A001	Supporting Documents – UK16-23255 ,Technical Assessment of Best Available Techniques , dated 24/11/2016	Duly Made 20/03/17
Application EPR/SP3938DE/A001	Supporting Documents – UK16-23255 ,Environmental Risk Assessment, dated 17/02/2017	Duly Made 20/03/17
Application EPR/SP3938DE/A001	Supporting Documents – UK16-23255 , Management System Summary, dated 23/11/2016	Duly Made 20/03/17
Application EPR/SP3938DE/A001	Supporting Documents – UK16-24001 , Odour Management Plan, dated 16/02/2016	Duly Made 20/03/17
Application EPR/SP3938DE/A001	Supporting Documents – EMS Document, Spill Management – P2, Spill Response Issue: 001, 20 April 2016	Duly Made 20/03/17
Application EPR/SP3938DE/A001	Supporting Documents – SOPTEMPLATE, Issue 1 11/02.2017	Duly Made 20/03/17

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC 1	The site shall ensure that the site effluent tank and sump meets the standards set out in both CIRIA C736 and Food and Drink Sector Guidance EPR 6.10 and the Food, Drink and Milk Industries BREF that sets out Best Available Techniques. All proposed improvements should be approved, in writing, by an officer of the Environment Agency, prior to commencing construction	12 months from the date of permit issue.
IC 2	Post commissioning, the operator shall provide a reviewed and revised odour management plan with respect to their activities and operations undertaken on site providing detail of any remedial actions required or changes made to the plan to ensure odour remains fully managed in accord with Best Available Techniques and the latest version of the Sector Guidance.	3 months from the permit issue date.

<b>Table S1.4a Pre-operational measures</b>	
<b>Reference</b>	<b>Pre-operational measures</b>
1	Before commencing operations, the operator will notify the Environment Agency in writing confirming that the site's management and notification system is operational.

<b>Table S1.4b Pre-operational measures for future development</b>	
<b>Reference</b>	<b>Pre-operational measures</b>
1	The site shall not bring the on-site Oil Storage Tank into operation until it meets the standards set out in CIRIA C736 ensuring appropriate primary, secondary and tertiary containment measures are in place and all bunding is constructed in accordance with appropriate standards.

## 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

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A1 – A9 [Points A1 to A9 on site plan in Schedule 7]	Air Handling units	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A10 [Point A10 on site plan in Schedule 7]	Boiler Stack	Combustion gases	--	--	--	--
A11 [Point A11 on site plan in Schedule 7]	Emergency generator exhaust	Combustion gases	--	--	--	--
A12 [Point A12 on site plan in Schedule 7]	Fire water pump exhaust	Combustion gases	--	--	--	--
A13 [Point A13 on site plan in Schedule 7]	Compressor exhaust	Combustion gases	--	--	--	--
A14 [Point A14 on site plan in Schedule 7]	Steam Extraction (Fruit Chew Line 1)	Water vapour	--	--	--	--
A15 [Point A15 on site plan in Schedule 7]	Steam Extraction (Fruit Chew Lin 2)	Water vapour	--	--	--	--
A16 [Point A16 on site plan in Schedule 7]	Air Extraction (Dryer and Dehumidifying Unit Jelly Manufacturing Line 1)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A17 [Point A17 on site plan in Schedule 7]	Air Extraction (Depositing Machine Manufacturing Line 1)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A18 [Point A18 on site plan in Schedule 7]	Air Extraction (Cooler Manufacturing Line 1)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A19 [Point A19 on site plan in Schedule 7]	Air Extraction (Dryer and Dehumidifying Unit Manufacturing Line 2)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A20 [Point A20 on site plan in Schedule 7]	Steam Extraction (Sanding Steam Curtain Manufacturing Line 2)	Water Vapour	--	--	--	--
A21	Air Extraction (Cooling Manufacturing Line 2)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A22	Air Extraction (Dryer and Dehumidifying Unit Manufacturing Line 2)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A23	Air Extraction (Depositing Machine Manufacturing Line 2)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A24	Air Extraction (Cooling Manufacturing Line 3)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A25	Air Extraction (Dryer And Dehumidifying Unit Manufacturing Line 3)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A26	Air Extraction (Depositing Machine Manufacturing Line 3)	Particulates	50 mg/m <sup>3</sup>	Hourly Average	Annually	BS EN 13284-1
A27	Silo Vent	--	--	--	--	--
A28	Silo Vent	--	--	--	--	--



<b>Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
W1 (shown on site plan in schedule 7) discharging to the Wain Dike Beck	Surface water run-off from external surfaces and storm water drainage from the buildings	--	--	--	--	--

<b>Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 (shown on site plan in schedule 7)	Trade effluent (including boiler blow-down and boiler feedwater treatment)	--	--	--	--	--

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to Air Parameters as required by condition 3.5.1.	A1-A9, A16-A19, A21-A26	Every 12 months	1 January

<b>Table S4.2: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Total Production	tonnes

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
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

<b>Table S4.4 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air	Form air 1 or other form as agreed in writing by the Environment Agency	05/09/2017
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	05/09/2017
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	05/09/2017
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	05/09/2017

## 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	

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

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

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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.

“year” means calendar year ending 31 December.

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.

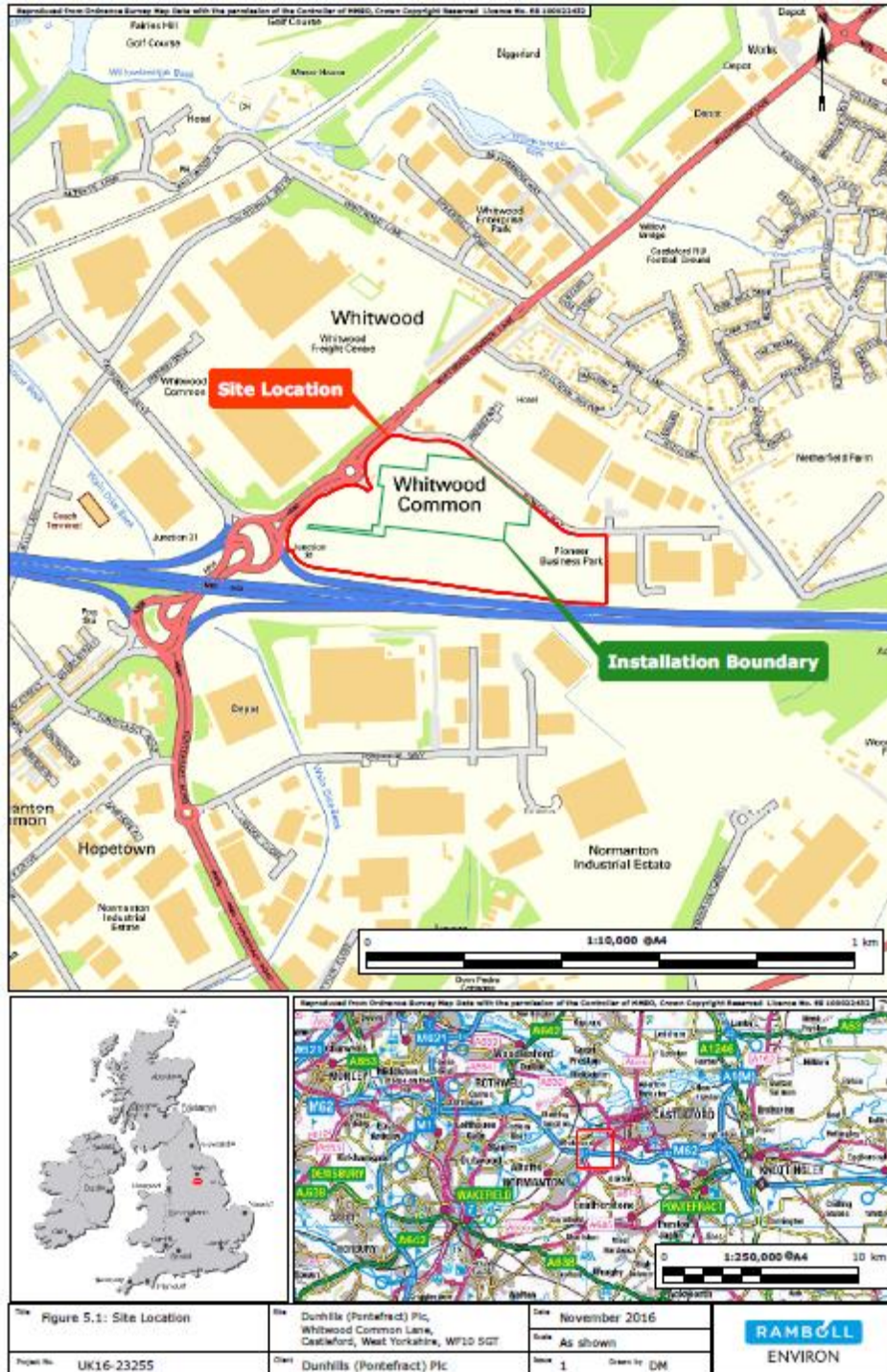
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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.

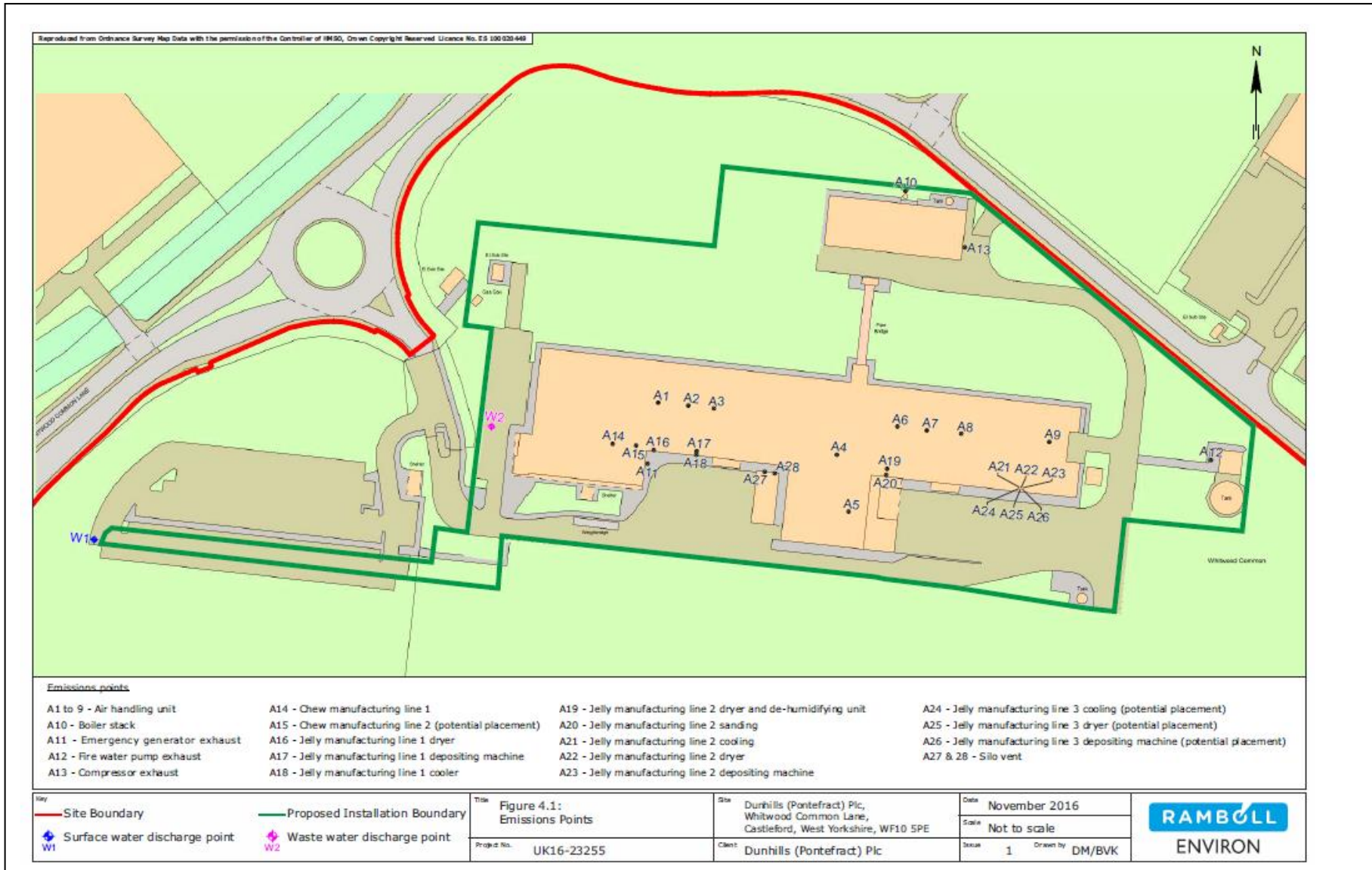
“year” means calendar year ending 31 December.

# Schedule 7 – Site plan

Site Location Plan:



Site Boundary Plan (including layout & emission point locations):



END OF PERMIT.

Permit number  
EPR/SP3938DE/A001