

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

United Biscuits (UK) Limited

Jacobs Bakery
Long Lane
Walton
Aintree
Liverpool
L9 7LD

Permit number

EPR/DP3033AW

Jacobs Bakery

Permit number EPR/DP3033AW

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The installation is located in the Aintree area of Liverpool and produces a range of crackers, snacks, biscuits and cakes. It has been operating for 100 years and now requires an environmental permit because of the 2013 update to the Environmental Permitting Regulations that implemented the Industrial Emissions Directive and extended the scope of installation activities to include some new food & drink facilities:

Section 6.8 Part A(1)(d)(iii)(bb)

The 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 $300 \cdot (22.5 \times A)$,

where 'A' is the proportion of animal material in percent of weight of the finished product production capacity.

The operations undertaken within the installation include the receipt and storage of ingredients, weighing, mixing/machining, baking in ovens and cooling. There is also the addition of fillings, flavours/seasoning and chocolate before the products are packed and distributed.

Emissions to air will result from combustion activities on-site, comprising the operation of baking ovens, steam boilers and heating equipment. There are no point source emissions to water, with all process effluent and site drainage being discharged to the public sewer for treatment at Liverpool Wastewater Treatment Works. There is an on-site effluent treatment plant to provide pre-treatment to some of the process effluent prior to disposal to sewer.

The site is committed to waste minimisation and has not sent anything to landfill for the past three years. The site is also committed to a reduction in energy consumption.

There are no SSSIs within 2km of the installation but there are two SACs and four SPAs/Ramsar sites within 10km. The installation is located adjacent to a residential area.

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/DP3033AW/A001	Duly made 31/03/15	Application for a new bespoke permit for a food and drink installation.
Additional information received	02/10/15	Updated drainage plan and confirmation of discharge points.
Permit determined EPR/DP3033AW	07/10/15	Permit issued to United Biscuits (UK) Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/DP3033AW

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

United Biscuits (UK) Limited (“the operator”),

whose registered office is

**Hayes Park
Hayes End Road
Hayes
Middlesex
UB4 8EE**

company registration number **2506007**

to operate an installation at

**Jacobs Bakery
Long Lane
Walton
Aintree
Liverpool
L9 7LD**

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

Name	Date
Philip Lamb	07/10/2015

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 installation, 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 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

- (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
- (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

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

Where the operator is a registered company:

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

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

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

In any other case:

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

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

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

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

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

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.8 Part A(1)(d)(iii)(bb) The 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 x A), where 'A' is the proportion of animal material in percent of weight of the finished product production capacity.	The manufacture of crackers, snacks, biscuits and cakes including: receipt and storage of raw materials; weighing; mixing/machining; baking in ovens; cooling; the addition of fillings, flavours/seasoning and chocolate; packaging and storage prior to distribution.	From receipt of raw materials to dispatch of finished products and waste.
Section 5.4 Part A(1)(a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment.	Treatment of process effluent on site prior to discharge to public sewer on Long Lane.	From receipt of site process effluent and treatment of effluent and its sludge to discharge of effluent and transport of sludge off site.
Directly Associated Activity		
Steam and hot water supply	5MWth from gas boilers	Receipt of fuels to emissions of combustion gases.
Cleaning	Cleaning in place (CIP)	Cleaning of plant associated with food manufacturing.
Refrigeration and cooling	Cooling for biscuit/cake manufacturing	The storage and handling of refrigerants and operation of refrigeration and cooling plant.
Compressed air	Production of compressed air	Generation and supply of compressed air to plant and equipment.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/DP3033AW	Application sections: B3.3a.1 Technical Standards B3.3a.2 Operating Techniques B3.3b.1.3 Fugitive Emissions Control B3.3b.2.5 Odour Control B3.3b.3.6 Techniques for Noise/Vibration Control B3.4a-b Emissions Monitoring B3.6a-b.2 Energy Efficiency B3.6d Raw Material, Auxiliary Material and Water Use B3.6e Waste Prevention, Minimisation and Management	31/03/15

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
1	The operator shall audit, update and implement the site Environment Management System (EMS) and make available for inspection by the Environment Agency all documents and procedures which form part of the EMS. The EMS shall be updated in line with the requirements set out in Part 1 of How to comply with your environmental permit and address any training requirements associated with compliance with the EPR Permit. The EMS shall also incorporate accident management considerations from Section 1.1 of the additional guidance for the Food and Drink Sector (EPR 6.10). The documents and procedures set out in the EMS shall form the written management system referenced in condition 1.1.1 (a) of the permit.	30/09/2016
2	The operator shall carry out an assessment of surfacing, containment measures and subsurface structures and their potential to cause fugitive emissions to surface water and groundwater. The operator shall submit a written report to the Environment Agency following this review. The report shall take into account the requirements in 'How to comply with your environmental permit' for subsurface structures (including the fat traps), sumps, bunds & storage areas (page 28+) and surfaces on your site (page 59+) and appropriate measures for their management. Where improvements can be made, the report shall include timescales for agreement with the Environment Agency. The report shall also include a drainage and surfacing plan, with any updates as necessary. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.	31/03/2016
3	The operator shall develop an odour management plan (OMP) in line with the Environment Agency's Horizontal Guidance H4 Odour Management with particular regard to Appendix 4. The OMP shall include detail and commitments on: the design and engineering of any odour abatement; operational procedures related to odorous emissions; odour monitoring; and maintenance and contingency plans. The operator shall implement the approved OMP from the date of approval by the Environment Agency. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the OMP.	30/09/2016
4	The operator shall conduct a noise monitoring survey (in line with current Environment Agency guidance) to quantify the noise on site and, if necessary, identify additional noise abatement or reduction measures to ensure noise levels do not cause pollution outside the site boundary. The operator shall provide a report to the Environment Agency detailing noise survey results and include a plan for the implementation of any recommendations made as a result of the noise survey. The operator must implement the plan as agreed, and from the date stipulated by the Environment Agency. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.	30/09/2016
5	The operator shall develop a noise management plan (NMP) in line with the Environment Agency's Horizontal Guidance H3 Part 2 Noise Assessment and Control with particular regard to Appendix 4. The operator shall implement the approved NMP from the date of approval by the Environment Agency. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the NMP.	31/03/2017

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
6	<p>The operator shall undertake a programme of stack emissions monitoring in line with the Environment Agency's monitoring guidance M1 and M2 (having first agreed the methodology with the Environment Agency). This shall address all emission points from:</p> <ul style="list-style-type: none"> • Combustion activities (including the new steam generators) to establish the normal and maximum likely concentration of oxides of nitrogen. • Flour silos to establish the normal and maximum likely concentration of particulate matter. <p>Once the monitoring data has been collected, the operator shall complete the H1 risk assessment for emissions to air (Annex F) and submit a written report to the Environment Agency containing the monitoring results, assessment and conclusions. Where improvements are required, the report shall include timescales for agreement with the Environment Agency. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.</p>	30/09/2016
7	<p>The operator shall submit a written report to the Environment Agency containing the results of a review of their measures to prevent accidental discharges from overloading or damaging the effluent treatment plant (ETP). This shall include consideration of the provision of a diversion tank, or an explanation of the equivalent measures that will be used. The report should also consider the introduction of monitoring of the effluent load (COD) and volume following treatment at the ETP, and the installation of measures to detect variation in effluent volume and composition from each of the process areas upstream of the ETP. Where improvements can be made, the report shall include timescales for agreement with the Environment Agency. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.</p>	31/03/2016
8	<p>The operator shall complete a water efficiency audit including reference to the requirements set out in guidance note EPR 6.10 and consideration of the potential for re-use of treated effluent within the process and sub-metering of water use. Upon completion of the audit a summary of the document shall be submitted to the Environment Agency in writing.</p>	30/09/2016
9	<p>The operator shall carry out an energy efficiency audit including reference to the requirements set out in guidance note EPR 6.10 and a review of the potential for heat recovery from equipment on site. Upon completion of the audit a summary of the document shall be submitted to the Environment Agency in writing.</p>	30/09/2016
10	<p>The operator shall complete a waste minimisation audit including reference to the requirements set out in guidance note EPR 6.10 and the disposal method for effluent sludge and drummed effluent waste. Upon completion of the audit a summary of the document shall be submitted to the Environment Agency in writing.</p>	30/09/2016

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 (inc unit)	Reference period	Monitoring frequency	Monitoring standard or method
AA01 to AA04 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	6a Oven Exhaust Flues	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limits set	---	---	---
AA5 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	6a Oven Exit Hood		No limits set	---	---	---
AA6 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	2a Oven Entrance Fan		No limits set	---	---	---
AA7 to AA9 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	2a Oven Exhaust Flues		No limits set	---	---	---
AA10 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	2a Oven Exit Hood		No limits set	---	---	---
AA11 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	1a Oven Entrance Fan		No limits set	---	---	---
AA12 to AA16 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	1a Oven Exhaust Flues		No limits set	---	---	---
AA17 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	1a Oven Exit Fan		No limits set	---	---	---
AA18 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	1a Oven Exit Hood		No limits set	---	---	---
AA19 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Pilot Plant Oven Exhaust Flue		No limits set	---	---	---
AA20 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Bulk Oil Storage Boiler		No limits set	---	---	---

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (inc unit)	Reference period	Monitoring frequency	Monitoring standard or method
AB01 to AB07 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	0b Oven Exhaust Flues	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limits set	---	---	---
AB08 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	0b Oven Exit Hood		No limits set	---	---	---
AB09 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	0b Oven Entrance Fan		No limits set	---	---	---
AB10 to AB14 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	1b Oven Exhaust Flues		No limits set	---	---	---
AB15 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	1b Oven Exit Hood		No limits set	---	---	---
AB16 to AB19 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	2b Oven Exhaust Flues		No limits set	---	---	---
AB20 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	2b Oven Exit Hood		No limits set	---	---	---
AB21 to AB28 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	6b Oven Exhaust Flues		No limits set	---	---	---
AB29 to AB32 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	7b Oven Exhaust Flues		No limits set	---	---	---
AB33 to AB35 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	7b Dryer Exhaust Flues		No limits set	---	---	---
AB36 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	7b Dryer Exit Hood Fan		No limits set	---	---	---

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (inc unit)	Reference period	Monitoring frequency	Monitoring standard or method
AB37 & AB38 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	7b Process Boiler Flues	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limits set	---	---	---
AC1 to AC3 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	8c Oven Exhaust Flues		No limits set	---	---	---
AC4 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	8c Oven Exit Hood		No limits set	---	---	---
AC5 to AC10 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	7c Oven Exhaust Flues		No limits set	---	---	---
AC11 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	7c Oven Exit Fan		No limits set	---	---	---
AC12 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	7c Oven Exit Hood		No limits set	---	---	---
AC13 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	BFC Area Heater Flue		No limits set	---	---	---
AC14 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Traywash Washer Flue		No limits set	---	---	---
AC15 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Traywash Washer Dryer Flue		No limits set	---	---	---
AC17 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Binwash Washer Burner Flue		No limits set	---	---	---
AC19 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Sb2c Boiler		No limits set	---	---	---
AC20 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Wsb3c Boiler		No limits set	---	---	---

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (inc unit)	Reference period	Monitoring frequency	Monitoring standard or method
AD1 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Mould Wash Burner Flue	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limits set	---	---	---
AD3 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	East Chocolate Bulk Tank Boilers		No limits set	---	---	---
AD4 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	West Chocolate Bulk Tank Boilers		No limits set	---	---	---
AK1 to AK3 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	K Block Oven Exhaust Flues		No limits set	---	---	---
AK10 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	K Block Oven Exit Fan		No limits set	---	---	---
AS1 to AS4 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Flour Silo Intake Bins	Particulate matter	No limits set	---	---	---
AS5 to AS7 as shown on Figure B.3.2.1: Air Emission Points in application EPR/DP3033AW	Flour Silo Outakes		No limits set	---	---	---

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
Sample Point A emission to United Utilities sewer as shown on Figure B.3.2.2: Drainage Plan in application EPR/DP3033AW	Wastewater from Block A (and Canteen/Amenity Block)	Total daily volume of discharge	No limit set	---	---	---
		Chemical Oxygen Demand (COD)	No limit set	---	---	---
Sample Point B emission to United Utilities sewer as shown on Figure B.3.2.2: Drainage Plan in application EPR/DP3033AW	Wastewater from Blocks B & J via the on-site effluent treatment plant	Total daily volume of discharge	No limit set	24-hour total	Continuous	To be agreed in writing with the Environment Agency ¹
		Chemical Oxygen Demand (COD)	No limit set	24-hour time-proportional composite sample	Monthly	To be agreed in writing with the Environment Agency ¹
Sample Point C emission to United Utilities sewer as shown on Figure B.3.2.2: Drainage Plan in application EPR/DP3033AW	Wastewater from Block J Warehouse	Total daily volume of discharge	No limit set	---	---	---
		Chemical Oxygen Demand (COD)	No limit set	---	---	---
Sample Point D emission to United Utilities sewer as shown on Figure B.3.2.2: Drainage Plan in application EPR/DP3033AW	Wastewater from Block K	Total daily volume of discharge	No limit set	---	---	---
		Chemical Oxygen Demand (COD)	No limit set	---	---	---
Point E and Point F emissions to United Utilities sewer as shown on Drawing 35811_D01 Existing Drainage Layout in application EPR/DP3033AW	Site drainage	No parameters set	No limits set	---	---	---
Note 1: Monitoring is currently carried out by United Utilities. As part of IC7 the operator should consider carrying out their own monitoring.						

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 sewer Parameters as required by condition 3.5.1	Sample Point B	Every 6 months	1 January, 1 July

Table S4.2: Annual production/treatment	
Parameter	Units
Production of cakes/biscuits/snacks/crackers	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MW
Waste production	Annually	tonnes
Refrigerant usage	Annually	kg

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Sewer	Form S1 or other form as agreed in writing by the Environment Agency	October 2015
Waste production	Form R1 or other form as agreed in writing by the Environment Agency	October 2015
Water usage	Form W1 or other form as agreed in writing by the Environment Agency	October 2015
Energy usage	Form E1 or other form as agreed in writing by the Environment Agency	October 2015
Other performance indicators	Form PI1 or other form as agreed in writing by the Environment Agency	October 2015

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	
Measures taken, or intended to be taken, to stop the emission	

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

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

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 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.

“hazardous property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“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.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

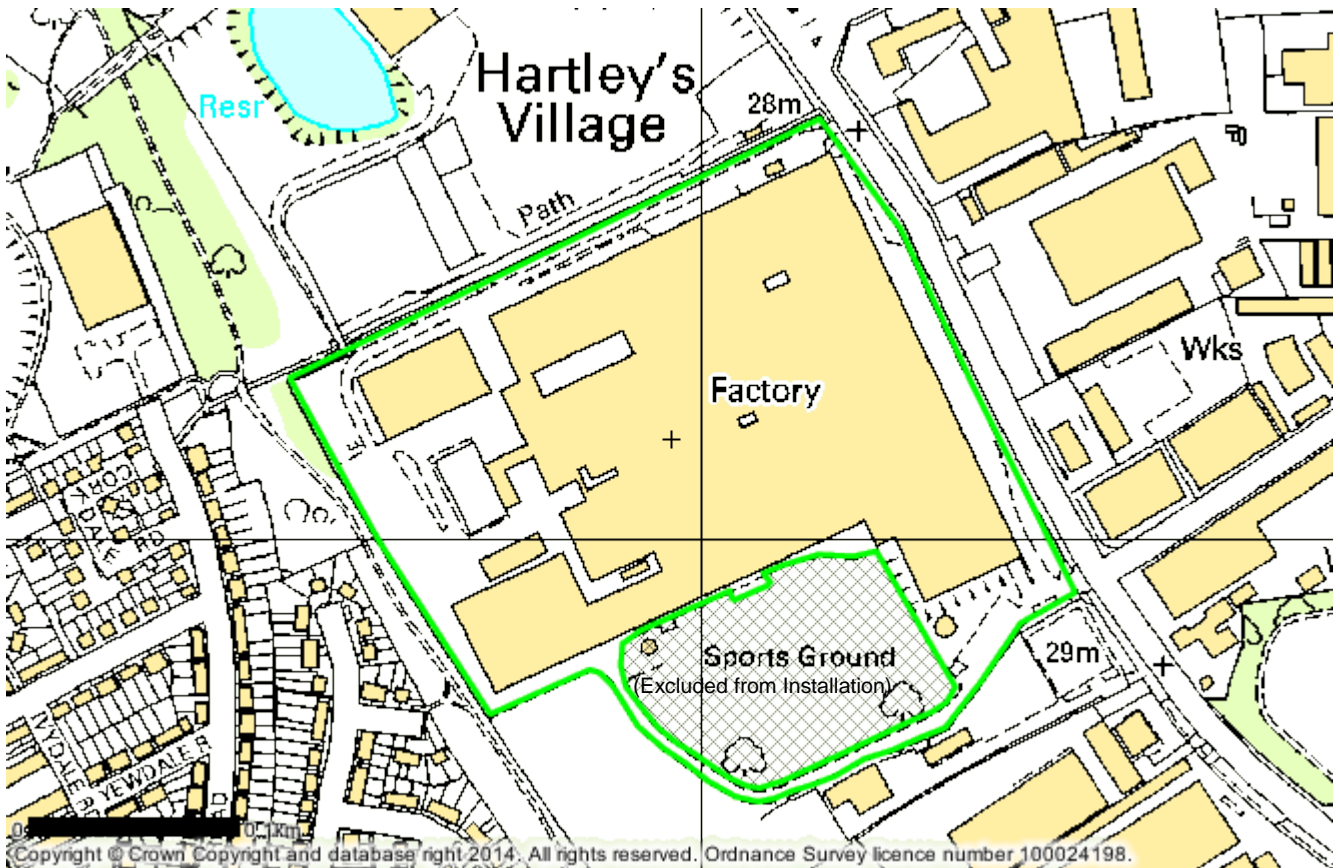
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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



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END OF PERMIT