

# Permit with introductory note

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

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Nestle UK Ltd and General Mills Canada Holding Three Corporation

Cereal Partners UK, Bromborough

Port Causeway

Bromborough

Wirral

Merseyside

CH62 4TH

### **Permit number**

EPR/QP3836AM

# Cereal Partners UK, Bromborough

## Permit number EPR/QP3836AM

### 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 a predominately industrial area of Bromborough, Merseyside and has been used for the manufacture of cereal products since 1959, with expansion onto a neighbouring site in 2003. The installation now requires an environmental permit because of the 2013 update to the Environmental Permitting Regulations that implemented the Industrial Emissions Directive and redefined permit thresholds for the food & drink sector to those based on the maximum theoretical capacity of the installation, rather than the actual manufacturing production capacity:

#### Section 6.8 Part A(1)(d)(ii)

The treatment and processing of only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year.

In 2014, the installation produced 52,516 tonnes of cereal.

The operations undertaken within the installation include mixing and cooking of the raw ingredients, toasting, drying, cooling and packaging. Steam for the process is generated by a Combined Heat and Power (CHP) plant, which has an ultra-low NO<sub>x</sub> burner to reduce NO<sub>x</sub> emissions. Particulate emissions to air from the processes are controlled at source and are abated with the use of jet bag filters and dust cyclones on emission points, which also reduce the potential for release of odour. The cleaning of plant and equipment employs Cleaning in Place (CIP) procedures and the drains in the process areas are fitted with catchpots. Process water and wastewater from raw material and waste storage areas are directed to an on-site effluent treatment plant (ETP), which provides some pre-treatment prior to disposal to sewer. The site has initiatives for waste reduction and resource efficiency, sending 97.8% of their waste for recycling in 2014. The environmental management system for the site is certified to the requirements of ISO14001.

The Mersey Estuary is approximately 500 metres east of the site and is designated as a Special Protection Area (SPA), Site of Special Scientific Interest (SSSI) and a Ramsar site. The nearest residential properties are approximately 20 metres southwest of the site, along Port Causeway Road.

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/QP3836AM/A001	Duly made 10/08/15	Application for a new bespoke permit for a food and drink installation
Additional information received	10/06/16	Updated SCR and emissions points plan.
Permit determined EPR/QP3836AM	15/06/16	Permit issued to Nestle UK Ltd and General Mills Canada Holding Three Corporation.

End of introductory note

# Permit

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

### Permit number

**EPR/QP3836AM**

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

### **Nestle UK Ltd**

whose registered office is

**1 City Place**

**Gatwick**

**RH6 0PA**

company registration number **00051491**

AND

### **General Mills Canada Holding Three Corporation**

whose registered office is

**1300 – 1969 Upper Water Street**

**Purdy's Wharf**

**Tower II**

**Halifax**

**Nova Scotia**

**Canada**

**B3J 3R7**

registry ID **3272345**

and whose principal office in the UK is

**2 Albany Place**

**28 Bridge Road East**

**Welwyn Garden City**

**Hertfordshire**

**AL7 1RR**

("the operator") to operate an installation at

**Cereal Partners UK, Bromborough**

**Port Causeway**

**Bromborough**

**Wirral**

**Merseyside**

**CH62 4TH**

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

<b>Name</b>	<b>Date</b>
<b>Philip Lamb</b>	<b>15/06/2016</b>

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 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 listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
Section 6.8 Part A(1)(d)(ii) Treatment and processing of only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day.	The manufacture of cereal products including mixing and cooking of the raw ingredients, toasting, drying, cooling and packaging.	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 United Utilities' sewer.	From receipt of site process effluent and treatment of effluent and its sludge to discharge of effluent and transport of sludge off site.
<b>Directly Associated Activity</b>		
Steam and electrical power supply	26.5 MWth gas-fired CHP plant plus three 7.3 MWth back up gas-fired boilers and two 3.2 MWth steam generators.	Receipt of fuels to emissions of combustion gases. The combustion plant must not all be operated simultaneously – maximum concurrent input 37 MWth.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application EPR/QP3836AM/A001	Environmental Permit Application document ref: 47071888/LEP0001 including references within to Guidance for the Food and Drink Sector (EPR 6.01) and the BREF for Food, Drink and Milk Industries (August 2006). Environmental Risk Assessment document ref: 47071888/LEP0003	Duly Made 10/08/15

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	The operator shall submit a report on the baseline conditions of soil and groundwater at the installation. The report shall contain information, supplementary to that already provided in the application Site Condition Report (June 2016), needed to meet the information requirements of Article 22(2) of the Industrial Emissions Directive. The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.	30/06/17

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC2	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.	30/06/17
IC3	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.	30/06/17
IC4	<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 emissions from:</p> <ul style="list-style-type: none"> <li>• The CHP stack to establish the normal and maximum likely concentration of oxides of nitrogen, carbon monoxide and particulate matter.</li> <li>• Process emission points to establish the normal and maximum likely concentration of particulate matter.</li> </ul> <p>Once the monitoring data has been collected, the operator shall use this to validate their risk assessment for emissions to air and submit a written report to the Environment Agency containing the monitoring results, assessment and conclusions. Where improvements are required (such as emission points without particulate abatement), 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>	30/06/17
IC5	The operator shall carry out a review assessing 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 the sections on 'emissions to water' and 'leaks from containers' in <a href="https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit">https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit</a> . 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.	31/12/17

## 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 as shown on Emission Points drawing dated June 2016	CHP Stack – gas turbine and HRSG	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	No limits set	---	---	---
A2 as shown on Emission Points drawing dated June 2016	Boiler house stack – back up gas-fired boilers		No limits set	---	---	---
A3 as shown on Emission Points drawing dated June 2016	VXP1 steam generator stack		No limits set	---	---	---
A4 as shown on Emission Points drawing dated June 2016	VXP2 steam generator stack		No limits set	---	---	---
A5 as shown on Emission Points drawing dated June 2016	Hot water boiler stack		No limits set	---	---	---
A8 as shown on Emission Points drawing dated June 2016	Rice jetzone toaster exhaust	Particulate matter	No limits set	---	---	---
A9a,b,c,d as shown on Emission Points drawing dated June 2016	Cornflakes thermoglide toaster exhaust		No limits set	---	---	---
A10a,b,c as shown on Emission Points drawing dated June 2016	Coated flakes jetzone toaster exhaust		No limits set	---	---	---
A11 as shown on Emission Points drawing dated June 2016	Cornflakes ventilex fluidised bed dryer exhaust		No limits set	---	---	---
A12a,b as shown on Emission Points drawing dated June 2016	Honey nut flakes jetzone toaster exhaust		No limits set	---	---	---

<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>
A13 as shown on Emission Points drawing dated June 2016	Coated flakes ventilex fluidised bed dryer exhaust	Particulate matter	No limits set	---	---	---
A14a,b,c as shown on Emission Points drawing dated June 2016	Branflakes jetzone toaster exhaust		No limits set	---	---	---
A15 as shown on Emission Points drawing dated June 2016	Dust collector Brom 1		No limits set	---	---	---
A16a,b as shown on Emission Points drawing dated June 2016	Dust collector Brom 2		No limits set	---	---	---
A17 as shown on Emission Points drawing dated June 2016	Cheerios dryer cooler fan discharge		No limits set	---	---	---
A18 as shown on Emission Points drawing dated June 2016	Cornflakes dryer cooler fan discharge		No limits set	---	---	---
A19 as shown on Emission Points drawing dated June 2016	Cheerios scrubber fan discharge		No limits set	---	---	---
A20 as shown on Emission Points drawing dated June 2016	Cornflakes grit dryer exhaust		No limits set	---	---	---
A21 as shown on Emission Points drawing dated June 2016	Rotary dough dryer exhaust		No limits set	---	---	---
A22 as shown on Emission Points drawing dated June 2016	Coated Cornflakes grit dryer cooler exhaust		No limits set	---	---	---
A23 as shown on Emission Points drawing dated June 2016	Bran dryer cooler exhaust		No limits set	---	---	---

<b>Table S3.2 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 as shown on Emission Points drawing dated June 2016 Main discharge to United Utilities' sewer on Dock Road South	Site effluent treatment plant and surface water run-off	Total daily volume of discharge	700 m <sup>3</sup> /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		Chemical Oxygen Demand (COD)	No limit set	24-hour flow-proportional composite sample	Weekly	Method listed in M18 monitoring guidance or as agreed in writing with the Environment Agency
S2 as shown on Emission Points drawing dated June 2016 Emergency discharge to United Utilities' sewer on Port Causeway	Site effluent treatment plant and surface water run-off	No parameters set	No limits set	---	---	---
S3 as shown on Emission Points drawing dated June 2016 Emergency discharge to United Utilities' sewer on Thermal Road	Site effluent treatment plant and 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.

<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 sewer Parameters as required by condition 3.5.1	S1	Every 6 months	1 January, 1 July

<b>Table S4.2: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Production of cereals	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	MW
Waste production	Annually	tonnes
Refrigerant usage	Annually	kg

<b>Table S4.4 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Sewer	Form S1 or other form as agreed in writing by the Environment Agency	15/06/16
Waste production	Form R1 or other form as agreed in writing by the Environment Agency	15/06/16
Water usage	Form W1 or other form as agreed in writing by the Environment Agency	15/06/16
Energy usage	Form E1 or other form as agreed in writing by the Environment Agency	15/06/16
Other performance indicators	Form PI1 or other form as agreed in writing by the Environment Agency	15/06/16

# 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	

<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.

“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 in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

“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 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

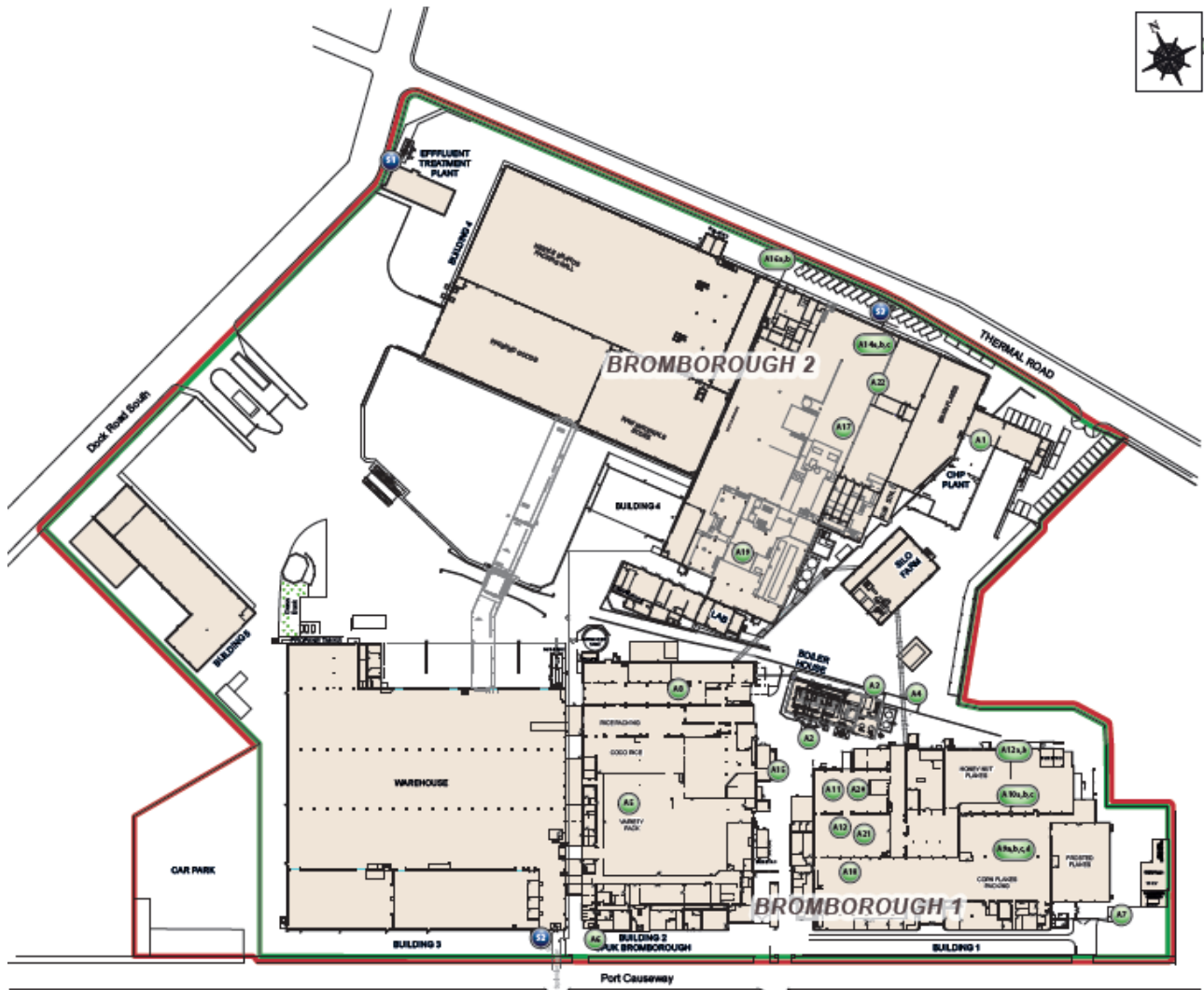
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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



END OF PERMIT