



# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2016**

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Bakkavor Foods Ltd  
Newark Dessert Factory  
Jessop Way  
Newark  
Nottinghamshire  
NG24 2ER

**Variation application number**

EPR/KP3332GH/V003

**Permit number**

EPR/KP3332GH

# Newark Dessert Factory

## Permit number EPR/KP3332GH

### Introductory note

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

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

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

The variation authorises the following changes to the existing permit:

- Extension of the existing production building to the north to accommodate a new production line (Bay 5) and additional manufacturing equipment and associated plant, storage, cleaning and refrigeration facilities as well as staff changing, hygiene and welfare areas;
- The addition of a new hot water boiler (emission point A1), with a thermal input of 0.95MWth powered on natural gas to provide hot water to the new production line;
- Addition of ammonia plant to provide additional refrigeration capacity for the new operations mentioned above;
- Upgrades to expand the effluent treatment plant, including new pumps, new chemical bulk storage and dosing systems, new polymer dosing system, new DAF (dissolved air flotation) system, upgraded central control system and a new laboratory;
- Extension of the permit boundary to include land to the northeast, this area of land was previously used by a logistics company as a depot. The new area of land will be used to house the ammonia plant and to provide additional storage of raw materials and vehicle car parking; and
- The relocation of the waste storage area to dedicated room within the newly created Bay 5 area.

The site name has been amended as requested by the Operator from Laurens Patisseries to Newark Dessert Factory. There has been no change to the legal operator.

The main features of the permit have been updated and are as follows:

Newark Dessert Factory (formally known as 'Laurens Patisseries') is a cake and desert manufacturing plant with associated on-site effluent treatment at their existing facility located at Jessop Way, Newark, NG24 2ER. The site has an area of approximately 5 hectares.

The activities at the site fall under two scheduled listed activities under the EPR:

- Section 6.8 Part A(1)(d)(iii) (aa) - Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than 75 if A is equal to 10 or more where 'A' is the portion of animal material in percent of weight of the finished product production capacity.
- 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.

There are also several supporting directly associated activities (DAAs).

The company produce a variety of products mainly for supermarket customers, including desserts and cream cakes. Depending on demand, a flexible production process is used which may be continuous or batch. The manufacturing process can be broken down into three stages:

- Stage one - raw materials are weighed and mixed to a specific recipe. This mixture is then sent to a dedicated process line where it is formed into individual components and undergoes a form of heat treatment, comprising either baking, frying or boiling.
- Stage two - the individual components are decorated and filled, for example, with cream, jam, custard and / or chocolate, before being chilled in nitrogen tunnels and individually packaged into customers' own-branded packaging.
- Stage three - following packaging, the finished products are prepared for distribution by being packed into outer packaging, palletised and transferred to chillers prior to transportation to customers.

Effluent generated by cleaning the plant and equipment is sent to an on-site effluent treatment plant (ETP) where the principal treatment process comprises a dissolved air flotation unit (DAF) for removal of primary solids and fats. The effluent is dosed with coagulant and caustic. Flocculated sludge is removed and sent offsite for further treatment via anaerobic digestion. Treated effluent is discharged to foul sewer under a trade effluent consent authorised by the Sewerage Undertaker (Severn Trent) for further offsite treatment at Crankley Point Wastewater Treatment Works.

There are a limited number of hazardous raw materials stored onsite which are either flavours for the products, or materials for ancillary functions such as effluent treatment or cleaning.

There are a number of emission points to atmosphere which release products of combustion (NO<sub>x</sub>, CO and CO<sub>2</sub>) these are from steam boilers, hot water boilers, gas fired burners in baking ovens and the fire water pumps (one plus one standby).

The operator has a Climate Change Levy Agreement (CCLA). Energy use comprises electricity from the national grid and natural gas from an interruptible mains supply. There is no standby fuel for the eventuality of interruption to the gas supply. No energy is generated on-site.

Waste at the site is segregated and the majority of waste streams are re-used or recycled. These include effluent sludge, which is treated via anaerobic digestion, and packaging waste, which is recycled. Food waste is used as animal feed.

The site is located in a predominantly industrial area with the nearest residential properties 250m away. The site has been used in the past to landfill gypsum waste and this still exists as made ground beneath the site. The underlying geology is classed as a non-aquifer. A dyke is located adjacent to the western boundary and is the closest surface water. There are no nationally designated sites (SSSI) within 2km of the installation and no internationally designated sites (RAMSAR, SPA, SAC) within 10km of the installation.

The operator has an in-house environmental management system which is not certified to BS EN ISO14001.

The schedules specify the changes made to the permit.

The status log of a 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 received EPR/KP3332GH/A001	Duly made 18/06/2009	Application received for a new installation.
Additional information received in response to Schedule 5 dated 10/11/2009	08/12/2009	
Permit determined EPR/KP3332GH	04/05/2010	Permit issued to Bakkavor Foods Ltd.
Agency variation determined EPR/KP3332GH/V002	21/11/2013	Agency variation to implement the changes introduced by IED.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application EPR/KP3332GH/V003 (variation and consolidation)	Duly made 31/10/2022	Application to vary the permit to allow the following changes. <ul style="list-style-type: none"> <li>• Extension of the factory building to accommodate a new production line (Bay 5)</li> <li>• Addition of ammonia plant</li> <li>• Upgrades to the existing effluent treatment plant</li> <li>• Extension of the permit boundary</li> <li>• Relocation of the waste storage area.</li> </ul>
Additional information received in response to Schedule 5 dated 04/01/2023	03/02/2023	Schedule 5 response including: <ul style="list-style-type: none"> <li>• Revised site drainage plan</li> <li>• Revised odour management plan</li> <li>• Containment assessment</li> <li>• Risk assessment</li> <li>• Accident management plan</li> </ul>
Variation determined and consolidation issued EPR/KP3332GH (PAS Billing ref. LP3208BZ).	03/05/2023	Varied and consolidated permit issued in modern format.

End of introductory note

## Notice of variation and consolidation

### The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

#### Permit number

EPR/KP3332GH

#### Issued to

**Bakkavor Foods Ltd** (“the operator”)

whose registered office is

**Fitzroy Place 5th Floor**

**8 Mortimer Street**

**London**

**W1T 3JJ**

company registration number 01060806

to operate a regulated facility at

**Newark Dessert Factory**

**Jessop Way**

**Newark**

**Nottinghamshire**

**NG24 2ER**

to the extent set out in the schedules.

The notice shall take effect from 03/05/2023

Name	Date
Rebecca Brough	03/05/2023

Authorised on behalf of the Environment Agency

**Schedule 1**

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

**Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

## Permit

### The Environmental Permitting (England and Wales) Regulations 2016

**Permit number****EPR/KP3332GH**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/KP3332GH/V003 authorising,

**Bakkavor Foods Ltd** (“the operator”),

whose registered office is

**Fitzroy Place 5th Floor****8 Mortimer Street****London****W1T 3JJ**

company registration number 01060806

to operate an installation at

**Newark Dessert Factory****Jessop Way****Newark****Nottinghamshire****NG24 2ER**

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

<b>Name</b>	<b>Date</b>
<b>Rebecca Brough</b>	<b>03/05/2023</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, 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 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>
AR1	Section 6.8 Part A(1)(d)(iii) (aa)	Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than— 75 if A is equal to 10 or more where 'A' is the portion of animal material in percent of weight of the finished product production capacity.	From receipt and storage of raw materials to storage and dispatch of finished products.  Production of baked products including mixing, forming, proving, baking, chilling, and packing.  Production capacity of 350 tonnes of finished products per day.
AR2	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 trade effluent within the onsite effluent treatment plant, from generation of effluents to discharge to foul sewer via S1.
<b>Directly Associated Activity</b>			
AR3	Steam and hot water supply	Operation of boilers for the provision of steam	From the receipt and storage of natural gas to the release of waste gases from the chimney.
AR4	Ovens	Operation of bread ovens and provers for production of baked goods. Fired on natural gas	From receipt of fuel to emission of combustion gases.
AR5	Raw material storage and handling	Secure storage of raw materials for production of finished goods, cleaning and effluent treatment	From receipt of raw materials to transfer to the manufacturing process.
AR6	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.
AR7	Refrigeration	Operation of blast chillers and cold rooms for the storage of raw materials and cooling of product.	From receipt of raw materials to finished goods.

<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>
AR8	Chemical storage and use	Storage and use of cleaning chemicals	From receipt of cleaning chemicals to despatch for treatment of effluent.
AR9	Operation of diesel pumps (one plus one standby) for the onsite sprinkler system	Operation of standby diesel pumps	From receipt of fuel and lubricants to discharge of combustion products to air.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	Section 5 (including section 5a and 5b); Section 6, Section 7, Section 9F	Duly Made 18/06/2009
Response to Schedule 5 Notice dated 10/11/2009	Response to Question 1 detailing additional information relating to drainage interceptors; response to Question 2 detailing additional information relating to drainage discharge points; response to Question 8 confirming aggregate combustion capacity for all process applications in terms of Net Rated Input; response to Question 9 providing corrected maps showing air release points	08/12/2009
Application EPR/KP3332GH/V003	Application forms Parts C2, C3, C6 and all supporting information including: <ul style="list-style-type: none"> <li>• WIE15969-100-R-1-2-3-Supporting Documentation</li> <li>• WIE15969.100. Not Duly Made Response</li> </ul>	Duly Made 31/10/2022
Response to Schedule 5 Notice dated 04/01/2023	Schedule 5 Response (ref WIE15969.102.S5 response) including: <ul style="list-style-type: none"> <li>• Revised site drainage plan (ref WIE15969-102-EP Variation Schedule 5)</li> <li>• Revised Odour Management Plan (ref ENV009 v5, 03/02/23)</li> <li>• CIRIA C736 Assessment (ref WIE15969-102 R-1-1-1)</li> </ul>	03/02/2023

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	The Operator shall, in accordance with the requirements of the Control of Pollution (Oil Storage) (England) Regulations 2001, construct a suitable bund around the 1,250 litre diesel storage tank.	31/05/2010
IC2	The Operator shall submit to the Agency the Specific Energy Consumption (SEC) for the installation, in accordance with the requirements of section 1.2 of EPR 6.10 Food and Drink Sector Guidance.	30/09/2010
IC3	The Operator shall develop and implement an Energy Efficiency Plan, in accordance with the requirements of section 1.2 of EPR 6.10 Food and Drink Sector Guidance. A written report which summarises the plan, including any proposed improvements, with a timetable for their implementation, shall be submitted to the Agency for agreement in writing.	Complete
IC4	The Operator shall carry out an assessment of the feasibility of installing low NOx burners on all combustion units at the installation. A written	Complete

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	summary of the assessment shall be sent to the Agency which includes a timetable for implementation of any proposed improvements.	
IC5	The Operator shall provide justification, including a full BPEO assessment of available options, for the continued use of land-spreading to dispose of process effluent having regard to Section 1.4 of EPR 6.10, Guidance for the Food and Drink Sector. A written report summarising the findings shall be submitted to the Agency.	Complete
IC6	The Operator shall revise the Odour Management Plan to incorporate the identification of all potential sources of odour from the Effluent Treatment Plant together with the options available for the control or elimination of such odour, having regard for Environment Agency Technical Guidance Note H4 - Odour management and Appendix 8 - Guidance on Odour Management Plans taken from Guidance note B3 for a new bespoke installation permit. A written report summarising the amendments to the Plan shall be submitted to the Agency which shall include timescales for the implementation of proposals for improvement, which shall be agreed in writing by the Agency.	Complete
IC7	The operator shall investigate options for the measurement and recording of water usage at all significant points of consumption in order to develop specific water usage information, having regard for section 1.3 of EPR 6.10 Guidance for the Food and Drink Sector. A written report summarising proposed improvements shall be submitted to the Agency which shall include time scales for implementation, which shall be agreed in writing by the Agency.	Complete
IC8	The Operator shall carry out an assessment of the options available for dealing with wastes, having regard for section 1.3 of EPR 6.10 Guidance for the Food and Drink Sector. A written report summarising the findings shall be submitted to the Agency, along with a timetable for implementing improvements which shall be agreed in writing with the Agency prior to implementation.	Complete
IC9	<p>The Operator shall submit a written report to the Environment Agency for approval detailing the completion of the recommendations as listed in Table 11 of the supplied report (CIRIA C736 Assessment in support of Regulation 61 response - Bakkavor Desserts, Newark, EPR/KP3332GH Dated 3<sup>rd</sup> February 2023).</p> <p>The written report shall be provided to the Environment Agency to demonstrate that each of the recommendations has been completed. Where any deficiencies or outstanding works have been identified the report shall detail a time scale for completion.</p>	03/05/2024 or other date as agreed in writing with the Environment Agency



## Schedule 2 – Waste types, raw materials and fuels

<b>Table S2.1 Raw materials and fuels</b>	
<b>Raw materials and fuel description</b>	<b>Specification</b>
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## Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A11 on site plan referenced in Appendix c-g 'Plan on Openings in Roof', dated 15/10/2020]	Facilities/ Services/ Boiler flue	Products of natural gas combustion	No limit set	--	--	--
A2 [Point A12 on site plan referenced in Appendix c-g 'Plan on Openings in Roof', dated 15/10/2020]	Facilities/ Services/ Boiler flue Hygiene factory/ St Andrews water heater	Products of natural gas combustion	No limit set	--	--	--
A3 [Point A22 on site plan referenced in Appendix c-g 'Plan on Openings in Roof', dated 15/10/2020]	Facilities/Services/ Boiler flue/ Hygiene factory/ St Andrews water heater	Products of natural gas combustion	No limit set	--	--	--
A4 [Point B01 on site plan referenced in Appendix c-g 'Plan on Openings in Roof', dated 15/10/2020]	Engineering/ process steam boiler flue	Products of natural gas combustion	No limit set	--	--	--
A5 [Point B02 on site plan referenced in Appendix c-g 'Plan on Openings in Roof', dated 15/10/2020]	Engineering/ process steam boiler flue	Products of natural gas combustion	No limit set	--	--	--
A6 – A29 & A37 – A38 [Points 108 – 136 & 152 & 212 on site plan referenced in Appendix c-g 'Plan on Openings in Roof', dated 15/10/2020]	Bay 1 Oven extraction	Products of natural gas combustion	No limit set	--	--	--
A30 – A34 [Points 141 – 146 on site plan referenced in Appendix c-g 'Plan on Openings in Roof', dated 15/10/2020]	Bay 1 Hi-care lines	Nitrogen (N <sub>2</sub> )	No limit set	--	--	--
A35 & A36 [Points 147 & 148 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 1 Tray wash extract	Steam	No limit set	--	--	--
A39 – A52 [Points 214 - 231 on site plan	Bay 2 oven & fryer extraction	Products of natural gas	No limit 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>
referenced in 'Plan on Openings in Roof', dated 15/10/2020]		combustion				
A53 – A56 [Points 238 - 241 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 2 Hi Care lines	Nitrogen (N <sub>2</sub> )	No limit set	--	--	--
A57 – A69 [Points 304 - 325 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 3 oven & fryer extraction	Products of natural gas combustion	No limit set	--	--	--
A70 – A74 [Points 339 - 343 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 3 Hi Care lines	Nitrogen (N <sub>2</sub> )	No limit set	--	--	--
A75 – A84 [Points 405 - 426 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 4 oven extraction	Products of natural gas combustion	No limit set	--	--	--
A85 [Point 440 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 4 High care wash	Steam	No limit set	--	--	--
A86 – A94, A96 – A101 [Points 502 – 518 & 528 – 533 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 5 oven extraction	Products of natural gas combustion	No limit set	--	--	--
A95 [Point 527 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 5 Hot water boiler	Products of natural gas combustion	No limit set	--	--	--
A102 [Point 535 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 5 Steam vent	Products of natural gas combustion	No limit set	--	--	--
A103 [Point 536 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Bay 5 Tray wash boiler	Products of natural gas combustion	No limit set	--	--	--
A104 & A105 [Points 537 & 538 on site plan	Bay 5 Tray wash extraction	Steam	No limit 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>
referenced in 'Plan on Openings in Roof', dated 15/10/2020]						
A106 & A107 [Points 539 & 540 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Ammonia plant room extraction	Ammonia	No limit set	--	--	--
A108 & A109 [Points A23 & A24 on site plan referenced in 'Plan on Openings in Roof', dated 15/10/2020]	Diesel powered pumps for sprinkler system (main and stand by)	Products of natural gas combustion	No limit set	--	--	--

<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 [Point W1 on site plan in Schedule 7] emission to surface water sewer under Jessop Way subsequently to enter the dyke south-west of the site	Uncontaminated surface water	--	--	--	--	--
W2 [Point W2 on site plan in Schedule 7] emission to surface water sewer under Jessop Way subsequently to enter the dyke south-west of the site	Uncontaminated surface water	--	--	--	--	--
W3 [Point W3 on site plan in Schedule 7] emission to the dyke on the western site boundary.	Uncontaminated surface water	--	--	--	--	--
W4 [Point W4 on site plan in Schedule 7] emission to the dyke on the western site boundary.	Uncontaminated roof water	--	--	--	--	--
W5 [Point W5 on site plan in Schedule 7] emission to the dyke	Uncontaminated roof water	--	--	--	--	--

**Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements**

<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>
on the western site boundary.						

**Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements**

<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 [Point S1 on the site plan in Schedule 7] emission to Severn Trent Wastewater Sewage Treatment Works	Process effluent discharge from the production factory and ancillary production activities	No parameters Set	No limit set	--	--	--
S2 [Point S2 on the site plan in Schedule 7] emission to Severn Trent Wastewater Sewage Treatment Works	Process effluent discharge from the production factory and ancillary production activities	No parameters Set	No limit set	--	--	--

## Schedule 4 – Reporting

<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>
--	--	--	--

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

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Water usage	Annually	m <sup>3</sup>
Energy usage	Annually	MWh
Other performance parameters	Annually	tonnes per production unit

<b>Table S4.4 Reporting forms</b>		
<b>Parameter</b>	<b>Reporting form</b>	<b>Form version number and date</b>
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

## Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

### Part A

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

<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 breach of permit conditions not related to limits</b>	
<b>To be notified within 24 hours of detection</b>	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

<b>(d) 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 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

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

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

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

“Pests” means Birds, Vermin and Insects.

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

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

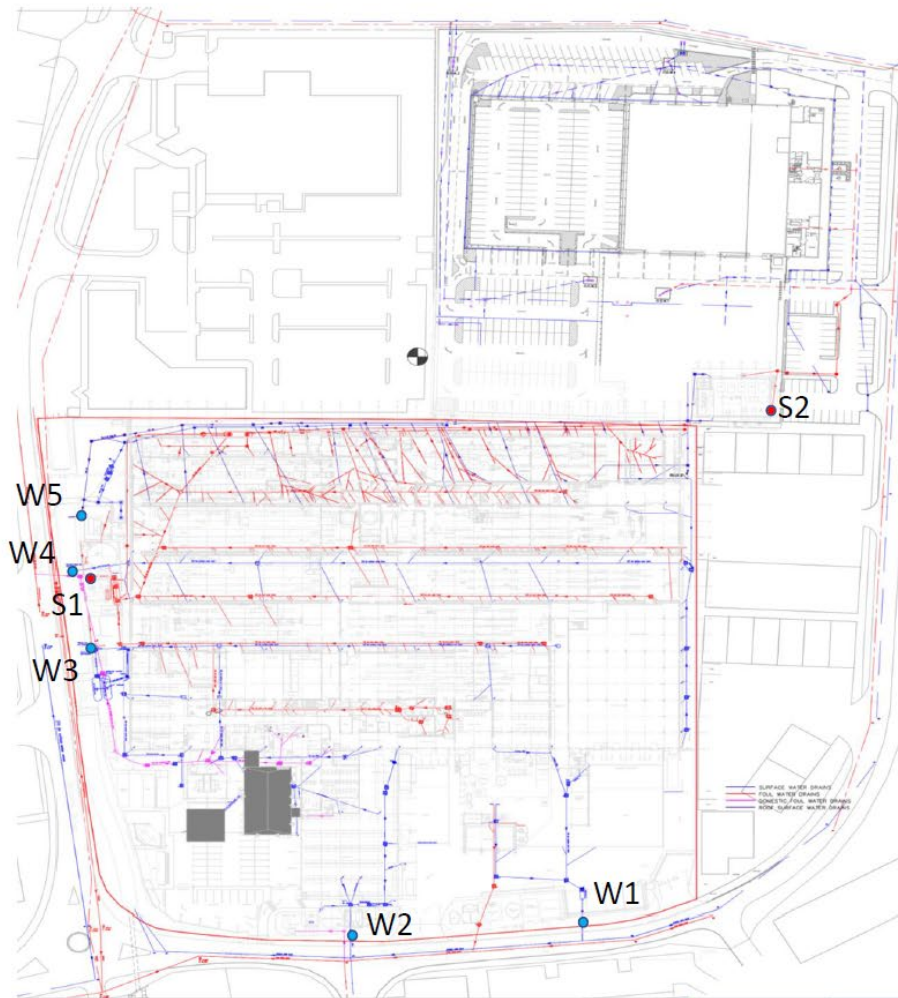
- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from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

“year” means calendar year ending 31 December.

## Schedule 7 – Site plan



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- S1 ETP Effluent emission point
- S2 Adiabatic Cooler Effluent emission point
- W1-W3 site surface water drainage point from yard
- W4-W5 surface water drainage point – roof only

- On site surface water drains
- On site foul water drains
- Severn Trent surface water sewer
- Severn Trent Foul water sewer

Project Details	WIE15969.102- Bakkavor Desserts Schedule 5
Figure Title	Site Drainage with Water/Sewer Emission Points
Figure Reference	WIE15969-102-EP Variation Schedule 5
Date	03-02-2023
	<a href="http://www.waterteamgroup.com">www.waterteamgroup.com</a>

END OF PERMIT