

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

McCain Foods (GB) Limited

McCain Scarborough Manufacturing Site
Havers Hill
Eastfield
Scarborough
North Yorkshire
YO11 3BS

Variation application number

EPR/BO7732IZ/V006

Permit number

EPR/BO7732IZ

McCain Scarborough Manufacturing Site

Permit number EPR/BO7732IZ

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.

McCain Scarborough Manufacturing Site is situated in the town of Eastfield, approximately 4.5 miles south of Scarborough in North Yorkshire (NG Ref: 505050 483650). The installation is used primarily for the manufacture of partially fried French fries, potato flake products and baked potato production. The operations involved in the manufacturing of these products include the preparation of products, partial frying, baking, freezing, packaging and storing.

The site is bordered by a mixture of industrial units, housing and open fields. The housing is situated to the north (separated from the installation by fields), south-east and east. In addition to the houses there is a school located 150 m to the west of the site. The coastline is just under 2 km to the north east of the site and has been classified in part as the Flamborough and Filey Coast potential special protection area (pSPA) and in part as the Cayton Cornelian & South Bays site of special scientific interest (SSSI).

This variation serves to update the permit in relation to a phased refurbishment of the site. In this phase of the refurbishment, the following will occur:

- Improvements and modifications to potato receipt, storage, sorting and preparation processes.
- Removal of the refrigeration storage plant/cold store. In association with this:
 - The related Directly Associated Activity (DAA) and associated point source emissions to air (A14–A21) have been removed from the permit. The description of the Section 6.8 A(1)(d)(ii) activity has been amended to incorporate flash freezing prior to dispatch.
- Replacement and increase in capacity of the two 'fries' lines within the facility.
 - This will lead to an overall change in theoretical capacity at the site from 864 tonnes per day to 1,344 tonnes per day.
- Alteration of the current heating ventilation and air conditioning (HVAC) system. In association with this:
 - The point source emissions to air A22–A42, A44–A49, A51–A52, A54–A55, A70 and A74–A76 have been removed from the permit.
 - The point source emissions to air A104–A133 and A136–A146 have been added to the permit.
 - A new thermal oxidiser (13.9 MWth) has been added to the permit as a DAA (with new emission point A134 (T03)).
 - A new closed loop hot water boiler (9.3 MWth) has been added to the permit as a DAA, with its new emission point A135 (HWB1).
- Removal of the backup boiler.
 - Reference to this boiler (and associated point source emissions to air A12 and A13) has been removed from the permit, including amendment of the steam generation DAA.
- The addition of a new loading bay at the rear of the facility. In association with this:
 - The permit boundary has changed and a new site plan has been included in the permit.
- Removal of the release point to groundwater.
- Minor changes to the building layout and configuration.

As part of the permit update, a number of redundant and new emission points comprising roof exhausts/louvres have been amended (A1-A3, A56, A57, A58 and A59 have been removed; PE14, BH10 and PR1-PR5 have been added).

Auxiliary equipment on site includes the wastewater treatment plant. Wastewater which has been treated to remove suspended solids in the wastewater treatment plant is discharged directly to sea via a sewer under a Trade Effluent Consent with Yorkshire Water. The sewer is approx. 4 km in length and discharges to sea via a 1.5 km outfall to a high dispersal area. There are no planned changes in respect of wastewater treatment and discharges.

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.

Status log of the permit		
Description	Date	Comments
Application received	Duly made 24/02/05	
Additional information received	8/07/05	
Extended determination period	Request 26/09/05	Response date: 6/10/05
Permit determined BO7732IZ	30/12/05	Permit issued to McCain Foods (GB) Limited
Variation JP3435UG	12/03/07	Issued: 21/05/07
Variation VP3234XV	06/03/08	Issued: 04/04/08
Application EPR/BO7732IZ/V004 (variation and consolidation)	Duly made 08/10/12	Application to vary and update the permit to modern conditions
Variation determined EPR/BO7732IZ/V004	12/12/12	Varied and consolidated permit issued in modern condition format.
Agency variation determined EPR/BO7732IZ/V005	07/02/14	Agency variation to implement the changes introduced by IED
Application EPR/BO7732IZ/V006 (variation and consolidation)	Duly made 11/09/18	Application to vary the permit in relation to first phase of site refurbishment.
Additional information received	21/12/18, 11/03/19, 11/04/19	Response to Schedule 5 notice dated 22/10/18, including information on production, noise modelling, noise impact assessment, odour management plan and noise management plan
Additional information received	01/02/19	Response to Schedule 5 dated 20/12/18 including stack height assessment memo.
Variation determined EPR/BO7732IZ	03/05/19	Varied permit issued.

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/BO7732IZ

Issued to

McCain Foods (GB) Limited (“the operator”)

whose registered office is

**Havers Hill
Eastfield
Scarborough
North Yorkshire
YO11 3BS**

company registration number **00733218**

to operate a regulated facility at

**McCain Scarborough Manufacturing Site
Havers Hill
Eastfield
Scarborough
North Yorkshire
YO11 3BS**

to the extent set out in the schedules.

The notice shall take effect from 03/05/2019.

Name	Date
M Bischer	03/05/2019

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/BO7732IZ

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

McCain Foods (GB) Limited (“the operator”),

whose registered office is

**Havers Hill
Eastfield
Scarborough
North Yorkshire
YO11 3BS**

company registration number **00733218**

to operate an installation at

**McCain Scarborough Manufacturing Site
Havers Hill
Eastfield
Scarborough
North Yorkshire
YO11 3BS**

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

Name	Date
M Bischer	03/05/2019

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 Total annual emissions from the emission point(s) set out in schedule 3 tables S3.1 and S3.2 of a substance listed in schedule 3 table S3.3 shall not exceed the relevant limit in table S3.3.

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, 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.

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

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
<p>Section 6.8 A(1)(d)(ii) 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 (where the weight of the finished product excludes packaging)— Only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operated for a period of no more than 90 consecutive days in any year.</p>	<p>Production of frozen potato chip (fries), potato flake and baked potato products with a capacity greater than 300 tonnes per day (average value on a quarterly basis).</p>	<p>Receipt of raw materials to dispatch of finished product.</p>
<p>Section 5.4 A(1)(a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC concerning urban waste-water treatment(a)— physico-chemical treatment.</p>	<p>Primary treatment of process waste water produced during the production of potato products using a High Rate Sedimentation Plant (HRSP) with a capacity greater than 50 m³/day.</p>	<p>Process water treatment prior to discharge to sewer.</p>
Directly Associated Activity		
<p>Waste storage and handling</p>	<p>Waste storage and handling</p>	<p>Process waste handling and storage prior to reuse on-site or off-site recovery or disposal.</p>
<p>Steam generation</p>	<p>Use of natural gas fired boilers to:</p> <ul style="list-style-type: none"> - generate steam to peel potatoes - generate steam/hot water to blanch potatoes and dry blanched potatoes. 	<p>From receipt of fuel to dispatch for combustion and release of combustion products.</p>
<p>Packaging</p>	<p>Product packaging</p>	<p>From finished product creation to final dispatch.</p>
<p>Thermal oxidiser</p>	<p>Use of gas-fired thermal oxidiser for odour abatement with recovery of energy in closed loop hot water boiler.</p>	<p>From receipt of fuel and frying vapours to release of combustion products.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 given in pages/section 3-1 to 3-6 of the application	24/02/05
Further Information Request	The response to questions 1 to 8 within the letter from Mr Barrie Thomas titled IPPC Ref – BO773217IZ – McCains Scarborough dated 26th June 2005	14/07/05
Application for a Variation BO7732IZ/JP3435UG	The response to questions C2.1 to C2.12 given in the application for a variation.	12/03/07
Application for a permit variation	The response to questions C2.1 to C2.12 given in the application for a variation.	6/03/08
Application for Variation and Consolidation EPR/BO7732IZ/V004	The responses to questions in Part C2 & C3 given in 'Supporting Information Document'.doc.	08/10/12
Application for Variation EPR/BO7732IZ/V006	The responses to questions in Part C2 and C3 of the application and supporting documents, including, but not limited to: Air Dispersion Modelling	Duly made 11/09/18
Information received in response to Schedule 5 notice dated 22/10/18	Production Data Noise Model and Noise Survey Data Noise Impact Assessment Odour Management Plan Noise Management Plan including Appendix B	21/12/18 21/12/18 21/12/18 11/03/18
Information received in response to Schedule 5 notice dated 20/12/18	Stack Height Assessment Memo	01/02/19
Further information received	Emission Points Plan	21/03/19

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall develop a maintenance programme for the High Rate Sedimentation Plant (HRSP), to ensure that the plant works under optimum conditions. A report detailing the plan, any recommended improvements to the plant and implementation time table shall be submitted to the Agency for approval.	Complete
IC2	The operator shall carry out a review the current method of monitoring used to determine effluent flow at release points S1. This review shall compare the current method against the minimum requirements for the self monitoring of effluent flow set out within Section 5 of the Agency Guidance Note M18: Monitoring of Discharges to Water and Sewer, Version 1, July 2004. A report detailing the findings of the review, recommendations to reach the minimum standards, and implementation timetable shall be submitted to the Agency for approval.	Complete
IC3	The operator shall carry out the following improvements to the odour abatement system at the site.	Complete

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> • Modify the extraction ducting to reduce the loading on the scrubber; • Construction of a cooling tower to reduce scrubbing temperatures; • Installation of a new coalescer and exhaust chimney downstream of the scrubber for enhanced odour removal from the exhaust gases; and • Construction of a new elevated (22.5m) exhaust stack from the scrubber/coalescer. <p>The operator is to submit a written report detailing the plant modifications that have been installed and confirming that the equipment is in operation.</p>	
IC4	<p>The operator shall undertake an assessment of the suitability of the storage arrangements for the bulk storage of polluting liquids within the installation. The assessment shall highlight any deficiencies the current storage arrangements have with meeting the standards listed within section 2.2.5 of the Agency Sector Guidance Note IPPC S6.10</p> <p>A written report summarising the findings of the assessment and any recommendations to improvements to the containment measures to meet the above standards, together with an implementation timetable shall be submitted to the Agency for approval.</p>	Complete
IC5	<p>The Operator shall carry out a review of the accident management plan, to include but not limited to the following hazards: failure of containment of any of the activities identified in the Application Site Report; pipe leak; accidental spillage leading to or threatening contamination of the surface water drainage system; accidental release of volatile or gaseous substances, accidental release of ammonia; and the risk of fire from the quantities of oil stored on site. The accident management plan shall address the indicative BAT requirements described in Sector Guidance Note IPPC S6.10.</p> <p>A written report detailing the revised plan, any recommended improvements to the installation and implementation time table shall be submitted to the Agency for approval.</p>	Complete
IC6	<p>The operator shall carry out a cost benefit analysis of the feasibility of introducing additional treatment of the process effluent to significantly reduce the biological oxygen demand (BOD) and settleable solids within that effluent. The ultimate aim being to achieve the benchmark emission values as given in the Sector Guidance Note IPPC S6.10 i.e. 10-20 mg/l BOD.</p> <p>A written report detailing the findings of the assessment shall be submitted to the Agency.</p>	Complete
IC7	<p>The operator shall determine the concentration of Nitrogen Dioxide and Particulates within the emission from emission points A8, A9 and A12. This shall include as a minimum of one monthly spot samples from each emission point.</p> <p>A written report detailing the concentrations obtained shall be submitted to the Agency.</p>	Complete
IC8	<p>The operator shall determine the concentration of Chlorpropham and Tecnazene within the effluent discharged at emission point S1. This shall include as a minimum of 12 monthly spot samples from the effluent.</p> <p>A written report detailing the range of concentrations obtained shall be submitted to the Agency.</p>	Complete

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC9	<p>The operator shall carry out an assessment of the impact of the improvements to the odour abatement system required by improvement condition IC3. This assessment shall consider but not be limited to</p> <ul style="list-style-type: none"> • A review of all odour complaints in the period following completion of the improvement works, comparing them to the number and nature of the historical complaints received at the site. • Based on the above, appropriate measurements and theoretical studies, the operator shall assess the overall fitness for purpose of the revised odour abatement systems for the installation. • Should that assessment conclude that the revised systems have not reduced the impact from odours to a tolerable level, the operator shall review the options for further improvements to the odour abatement system within the installation. <p>A written report detailing the findings of the assessment, together with recommendations of any improvements to the odour abatement and implementation timetable shall be submitted to the Agency for approval.</p>	Complete
IC10	<p>The Operator shall assess the impact of operational noise from the installation to validate the impact assessment submitted with variation application EPR/BO7732IZ/V006 using the BS4142:2014 methodology. The results shall be submitted the Environment Agency in the form of a report.</p> <p>In the event that the report shows that operational noise produced by the plant installed in line with the variation application EPR/BO7732IZ/V006 is above that predicted through modelling, the report shall include proposals for the further attenuation and/or management of noise including timescales for implementation. The report will be submitted in writing to the Environment Agency for approval.</p>	Within 4 months from commencement of operations authorised by EPR/BO7732IZ/V006

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
–	–

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location As shown on drawing P0120-17100-1120-G401	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A4 BH1	Beel boiler via flue	No Parameter Set	No limit set	–	–	–
A5 BH2	Maxicon boiler (with waste heat recovery) via flue	No Parameter Set	No limit set	–	–	–
A6 and A7 BH3 and BH4	Boiler house via roof exhaust	No Parameter Set	No limit set	–	–	–
A8 BH5	Beel boiler and Maxicon boiler (without heat recovery) via shared stack	No Parameter Set	No limit set	–	–	–
A9 BH6	Maxicon boiler (without waste heat recovery) via exhaust louvre	No Parameter Set	No limit set	–	–	–
A10 BH7	Beel boiler (without heat recovery) via exhaust louvre	No Parameter Set	No limit set	–	–	–
A11 BH8	Maxicon boiler (without heat recovery) via exhaust louvre	No Parameter Set	No limit set	–	–	–
BH10	Boiler house roof exhaust	No Parameter Set	No limit set	–	–	–
A43 PA10	Process area via roof exhaust	No Parameter Set	No limit set	–	–	–
A50 and A53 D7 and D10	Dryer building via exhaust louvre	No Parameter Set	No limit set	–	–	–
A60 to A63 AD3 to AD6	ADR Room via roof exhaust	No Parameter Set	No limit set	–	–	–
A64 and A65 AD7 and AD8	ADR Room via exhaust louvre	No Parameter Set	No limit set	–	–	–
A66 to A69 PP1 to PP3, and PP6	Steam Peeler via stack	No Parameter Set	No limit set	–	–	–

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location As shown on drawing P0120-17100-1120-G401	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
PR1 to PR5	Potato receiving roof exhaust	No Parameter Set	No limit set	–	–	–
A71 to A73 PP4, PP5 and MS1	Potato house via extractor fan in roof	No Parameter Set	No limit set	–	–	–
A77 to A80 CD1 to CD4	Cutter deck via extractor fan in roof	No Parameter Set	No limit set	–	–	–
A81 and A82 CD5 and CD6	Pre-heater room via extractor fan in roof	No Parameter Set	No limit set	–	–	–
A83 HRS1	High rate sedimentation plant via biofilter	No Parameter Set	No limit set	–	–	–
A84 HRS2	High rate sedimentation plant via louvre in wall	No Parameter Set	No limit set	–	–	–
A85 P5	Incinerator via stack	No Parameter Set	No limit set	–	–	–
A86 to A91 P12 to P17	Combustion gas flue	No Parameter Set	No limit set	–	–	–
A92 to A98 P18 to P24	Bakes process air exhaust fans	No Parameter Set	No limit set	–	–	–
A99 P25	Air handling unit gas flue	No Parameter Set	No limit set	–	–	–
A100 to A102 P26 to P28	Hot water boiler via stack	No Parameter Set	No limit set	–	–	–
A103 P30	Dolav storage area exhaust fan	No Parameter Set	No limit set	–	–	–
A104 to A107 DRY1 to DRY 4	Line 1 dryer exhaust stacks	No Parameter Set	No limit set	–	–	–
A108 to A113 DRY 5 to DRY 10	Line 2 dryer exhaust stacks	No Parameter Set	No limit set	–	–	–
A114 to A124 PE1 to PE11	Process area extractor fans	No Parameter Set	No limit set	–	–	–

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location As shown on drawing P0120-17100-1120-G401	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A125 PE12	Process tunnel extractor fan	No Parameter Set	No limit set	–	–	–
A126 PE13	Batter storage extraction	No Parameter Set	No limit set	–	–	–
PE14	Weigher deck exhaust	No Parameter Set	No limit set	–	–	–
A127 PE15	Packing area extraction	No Parameter Set	No limit set	–	–	–
A128 and A129 PE16 and PE17	Process extraction	No Parameter Set	No limit set	–	–	–
A130 and A131 PE18 and PE19	SAPP Extraction	No Parameter Set	No limit set	–	–	–
A132 and A133 TO1 and TO2	Vapour condenser exhaust stack	No Parameter Set	No limit set	–	–	–
A134 TO3	Thermal oxidiser exhaust stack	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	200 mg/m ³ Note 1	–	At least every 6 months	BS EN 14792
		Carbon monoxide	100 mg/m ³ Note 1	–	At least every 6 months	BS EN 15058
A135 HWB1	Hot water boiler	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	135 mg/m ³	–	At least every 6 months	BS EN 14792
		Carbon monoxide	100 mg/m ³	–	At least every 6 months	BS EN 15058
A136 to A140 AE01 to AE05	Refrigeration plant room exhaust stacks	No Parameter Set	No limit set	–	–	–
A141 and A142 BC01 and BC02	Battery charging extraction	No Parameter Set	No limit set	–	–	–
A143 FA01	Screw blancher exhaust stacks	No Parameter Set	No limit set	–	–	–

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
As shown on drawing P0120-17100-1120-G401						
A144 to A146 FA02 to FA04	Belt blancher exhaust stacks	No Parameter Set	No limit set	–	–	–

Note 1: normalised at reference conditions of 273K, 101.3 kPA

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
As shown on drawing P0120-17100-1120-G401						
S1 Yorkshire Water sewer direct 1.5 km coastal outfall to North Sea.	Process effluent via a High Rate Sedimentation Plant (HRSP)	Settleable solids	1,500 mg/l		Daily	BS EN 872:1996
		BOD	4,200 mg/l		Weekly	AOAC 973.441 ^{Note 1}
		Flow rate	7000 m ³ /day		Continuous	MCERTS flow meter
		Mercury and its compounds	0.1 µg/l		Annually	Compliance based on mass balance calculation ^{Note 2}
		Cadmium and its compounds	0.01 mg/l		Annually	Compliance based on mass balance calculation ^{Note 2}
S2 Eastfield Drain, Yorkshire Water Sewer	Surface water run-off via 3 oil/water interceptors	No Parameter Set	–	–	–	–

Note 1: or a method to be agreed with the Environment Agency

Note 2: see Schedule 6.

Table S3.3 Annual limits		
Substance	Medium	Limit (including unit)
Mercury	Water	9 g (compliance based on mass balance calculation)
Cadmium	Water	14 g (compliance based on mass balance calculation)

Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Energy usage	Installation	Every 12 months	1 January
Water usage	Installation	Every 12 months	1 January
Biochemical oxygen demand mg/l	S1	Every 3 months	1 January, 1 April, 1 July, 1 October
Settleable solids mg/l	S1	Every 3 months	1 January, 1 April, 1 July, 1 October
Flow m ³ /day	S1	Every 3 months	1 January, 1 April, 1 July, 1 October
Cadmium and its compounds mg/l	S1	Every 12 months	1 January
Mercury and its compounds µg/l	S1	Every 12 months	1 January
Cadmium and its compounds g/year	S1	Every 12 months	1 January
Mercury and its compounds g/year	S1	Every 12 months	1 January
Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) mg/m ³	A134, A135	At least every 6 months	1 January, 1 July
Carbon monoxide	A134, A135	At least every 6 months	1 January, 1 July

Parameter	Units
Annual production output	tonnes

Parameter	Frequency of assessment	Units
Potable Water Use	Annually	m ³ /tonne
Energy Use	Annually	kWh/tonne
Mass of ammonia released	Annually	t/tonne

Media/parameter	Reporting format	Date of form
Sewer	Form Sewer 1 or other form as agreed in writing by the Environment Agency	15/04/19
Air	Form Air 1 or other form as agreed in writing by the Environment Agency	15/04/19
Energy	Form Energy 1 or other form as agreed in writing by the Environment Agency	15/04/19

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form Water Usage 1 or other form as agreed in writing by the Environment Agency	15/04/19
Performance indicators	Form Performance Indicator 1 or other form as agreed in writing by the Environment Agency	15/04/19

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

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

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

“Compliance based on Mass Balance Calculation” means that for the purposes of demonstrating compliance or non-compliance with a specified limit the release shall be calculated. Annual mass releases for Mercury and Cadmium shall be calculated from the maximum potential concentration of the metal present as contamination multiplied by the volume of the chemicals used on site during the Year. An allowance may be deducted for any proportion of the chemicals used that can be demonstrated not to have reached the emission point. The concentration of Mercury and Cadmium shall be calculated from the annual mass release and the volume of effluent discharged during the Year.

“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.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

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

“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

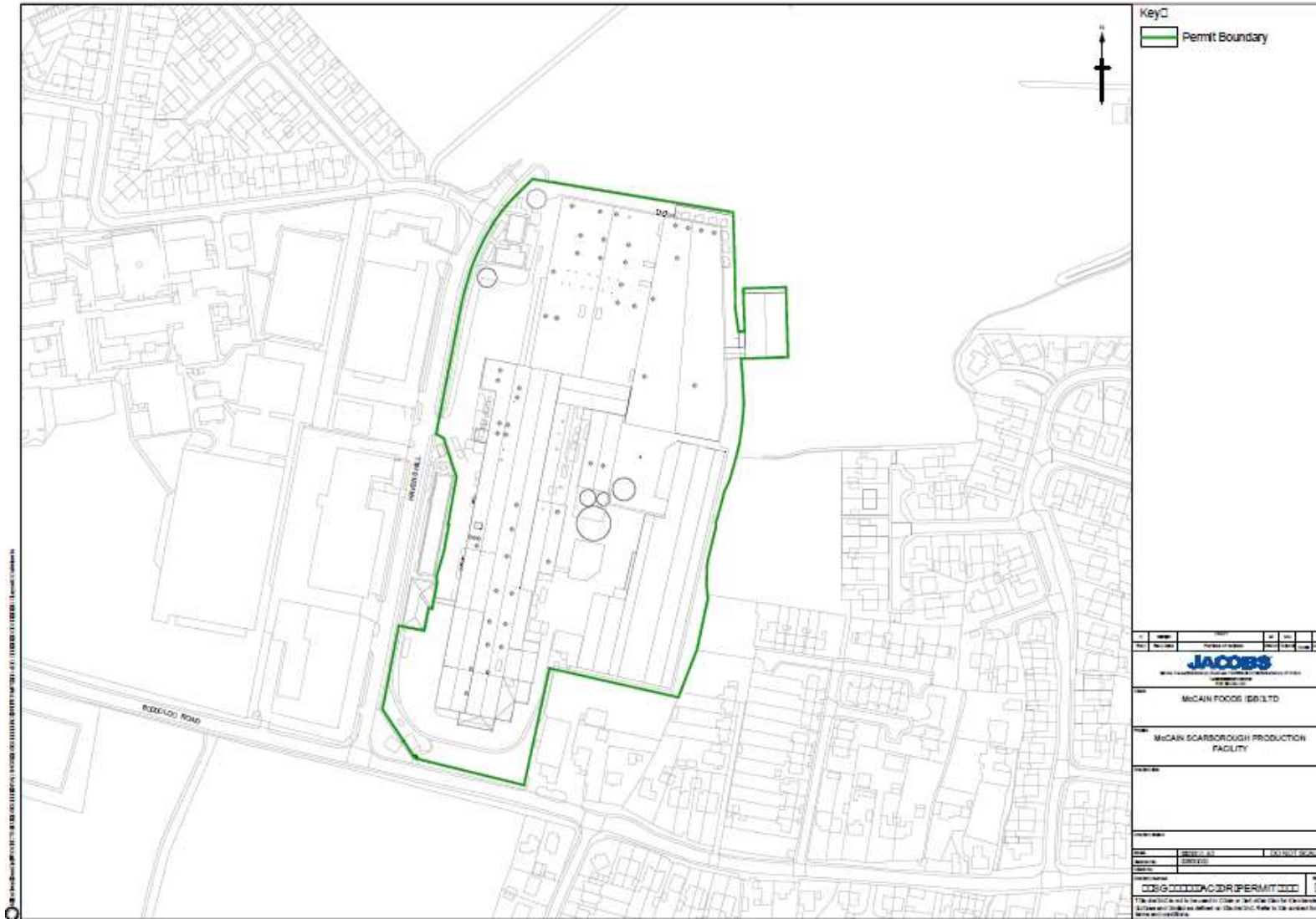
“year” means calendar year ending 31 December.

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

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

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

Schedule 7 – Site plan



END OF PERMIT

Permit number
EPR/BO7732IZ