

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Dairy Consumer Foods (UK) Limited

The Healey Complex
Healey Road
Ossett
WF5 8NE

Variation application number

EPR/FP3845QK/V003

Permit number

EPR/FP3845Q

The Healey Complex

Permit number EPR/FP3845Q

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.

This consolidated permit has been issued following a full review against the best available techniques (BAT) conclusions for the Food, Drink and Milk Industries published on 4th December 2019 in the official journal of the European Union.

We have implemented the requirements of the Medium Combustion Plant directive, and incorporated post-dated requirements for 2030.

The schedules specify the changes made to the permit.

The Healey Complex installation is situated on a 23,100 m² site, within the metropolitan district of Wakefield, West Yorkshire, approximately 6.5km west of the Wakefield City and 14.5km South-West of Leeds City, at National Grid Reference NGR SE2689619345. The facility produces approximately 300 tonnes of finished product of vegetable oil spread per day.

Bulk, raw materials such as palm oil, sunflower oil, rape seed oil and olive oil, are stored onsite in external silos within a tank farm. Oil tankers fill these silos, which range in volume (25m³ to 60m³) daily. These oils are pumped to the production area from the tank farm. Other materials such as packaging and powder ingredients which are also received by the facility are kept in the warehouse, while bagged and tubbed ingredients are stored in the chill store. Milk powders, butter, stabilisers, and preservatives, salt and emulsifiers mixed and blend to create an emulsion. Colours and flavours are then added to produce the typical looking spread, ready for pasteurisation. At this stage of the production process, products either undergo batch pasteurisation or inline pasteurisation followed by cooling and packaging of finished products in tubs with lids and despatched off site.

The facility has an on-site physico-chemical effluent treatment plant (ETP) for the management of all process wastewater. This primary effluent treatment plant comprises of a balancing tank and a Dissolved Air Flotation (DAF) unit. Treated effluent from this DAF unit discharges into the Yorkshire Water Sewer via emission point S1. Sludge from the DAF unit is pumped to a sludge holding tank from where it is transported offsite by a licensed carrier for disposal. Uncontaminated run-off water from hardstanding surfaces is discharged to River Calder via emission point W1, while run-off water from roofs is discharged to soakaways via emission points W2 and W3. There is also a Tank Farm sump which is used to collect and store all surface water from the hardstanding areas around the ETP, quarry and adjacent roadways. The sump also provides catchment for potential spillage which may arise during oil deliveries, which are carried out directly above the sump's metal grating cover. The Tank Farm sump content is pumped into the ETP for treatment prior to discharge.

Steam and hot water on site are generated by 4 natural gas-powered Bosch boilers with a combined thermal input of approximately 12 MWth. The facility also has an additional 2 Fulton natural gas standby boilers with a combined thermal input of 1.2MWth. Combustion gases emitted to air from these boilers include nitrogen dioxide and carbon monoxide released into the atmosphere via air emission points A1 to A6.

There is 1 Special Area of Conservation (SAC), Denby Grange Colliery Ponds, and Local Wildlife Site, Emroyd Common located at approximately 3.6 km and 1.6km respectively.

The Operator uses an Environmental Management System accredited to ISO14001 standard.

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 EPR/AP3036YD/A001 | Duly made 12/02/2018 | Application for a Food and Drink installation permit. |
| Schedule 5 Notice response received | 17/04/2018 | Responses to questions 1 to 8 of the notice dated 28/03/2018, in relation to the facility's Odour Management Plan (OMP), use of Best Available Techniques (BAT) and air quality risk assessment. |
| Schedule 5 Notice response received | 08/06/2018 | Response to all questions of the second notice dated 23/05/2018, in relation to the installation's use of Best Available Techniques and Odour Management Plan (OMP). |
| Additional information received | 27/06/2018 | Odour Management Plan – version 3, submitted in response to a request for further information dated 22/06/2018. |
| Additional information received | | Response to request for further information dated 25/06/2018, in relation to the installation's site plan. |
| Permit determined EPR/AP3036YD | 20/08/2018 | Permit issued to Kerry Foods Limited. |
| Application EPR/FP3845QK/T001 (full transfer of permit EPR/AP3036YD) | Duly made 23/05/2022 | Application to transfer the permit in full to Dairy Consumer Foods (UK) Limited. |
| Application EPR/FP3845QK/V003 | 04/07/2022 | Admin variation returned. |
| Transfer determined EPR/FP3845QK | 22/08/2022 | Full transfer of permit complete. From Kerry Foods Limited to Dairy Foods (UK) Limited. |
| Application EPR/FP3845QK/V003 (variation and consolidation) | Regulation 61 Notice response received 04/10/2022 | Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review. |
| Request for further information (dated 25/07/2023) | 04/08/2023 | Answers provided to questions relating to BATcs 3, 4, 5, 7, 8, 9, 10, 11, 12, AELs, 13, 14, 15, 30, MCPs, cooling towers, site plan. |
| Variation determined and consolidation issued EPR/FP3845QK (Billing ref. JP3847QV) | 20/12/2023 | 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/FP3845Q

Issued to

Dairy Consumer Foods (UK) Limited (“the operator”)

whose registered office is

Kerry

Bradley Road

Royal Portbury Dock

Bristol

United Kingdom

BS20 7NZ

company registration number 12866409

to operate a regulated facility at

The Healey Complex

Healey Road

Ossett

WF5 8NE

to the extent set out in the schedules.

The notice shall take effect from 20/12/2023.

| Name | Date |
|-----------------|------------|
| Marcus Woodward | 20/12/2023 |

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/FP3845Q

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3845QK/V003 authorising,

Dairy Consumer Foods (UK) Limited (“the operator”),

whose registered office is

Kerry

Bradley Road

Royal Portbury Dock

Bristol

United Kingdom

BS20 7NZ

company registration number 12866409

to operate an installation at

The Healey Complex

Healey Road

Ossett

WF5 8NE

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

| Name | Date |
|-----------------|------------|
| Marcus Woodward | 20/12/2023 |

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”).
- 2.1.2 The activities shall be undertaken in accordance with best available techniques.
- 2.1.3 All process plant and equipment shall be commissioned, operated and maintained and shall be fully documented and recorded in accordance with the manufacturer’s recommendations.

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.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR3) the first monitoring measurements shall be carried out within four months of 01/01/2030 or of the date when the MCP is first put into operation, whichever is later.

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

| Table S1.1 activities | | | |
|-------------------------------------|--|--|--|
| Activity reference | Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity |
| AR1 | Section 6.8 Part A1 (d) (ii) | Treating and processing, other than exclusively packing, of vegetable raw materials with a finished product capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year. | From receipt of raw materials delivered to the site to the dispatch of vegetable oil spreads. Production capacity is limited to 350 tonnes per day. |
| AR2 | Section 5.4 Part A1 (a) (ii) | Physico-chemical Treatment of non-hazardous waste waters by dissolved air flotation | From generation of waste water to onsite effluent treatment plant consisting of inlet sump, primary screening, balancing, chemical dosing, DAF, coagulation and flocculation, sludge holding for off-site biofuel production, and final effluent sump prior to discharge to foul sewer leading to Yorkshire Water Treatment Works. |
| Directly Associated Activity | | | |
| AR3 | Steam power supply | Medium Combustion Boiler plants Bosch 1 – 2.5 MWth Bosch 2 – 2.5 MWth Bosch 3 – 2.5 MWth Bosch Steam – 3.0 MWth Fulton 1 – 0.6 MWth Fulton 2 – 0.6 MWth MCPs are fired on natural gas | From receipt of fuel to release of products of combustion to air. Either of the Fulton back-up boilers will only be 1 day per year operational during servicing periods for steam boilers or unexpected periods of required maintenance for the boilers. |
| AR4 | Raw material storage and handling | Storage and handling of raw materials at the installation | From receipt of raw materials to dispatch of final product. |
| AR5 | Use of refrigerants | Use of refrigerants in cooling, chilling and/or freezing systems at the installation. | From receipt of raw materials to dispatch of final product. |
| AR6 | Storage and use of chemicals and oils | Storage and use of chemicals and oils at the installation. | From receipt of chemicals and oils to disposal of wastes arising. |

| Table S1.1 activities | | | |
|------------------------------|--|--|---|
| Activity reference | Activity listed in Schedule 1 of the EP Regulations | Description of specified activity | Limits of specified activity |
| AR7 | Waste storage and handling | Storage and handling of waste materials | From generation of waste to storage pending removal for disposal or recovery. |
| AR8 | Process cooling waters | Operation of three cooling towers | From operation of cooling towers, including chemical dosing. |
| AR9 | Surface water drainage | Collection of uncontaminated site surface waters | Handling and storage of site drainage until discharge to River Calder. |

| Table S1.2 Operating techniques | | |
|---|--|----------------------|
| Description | Parts | Date Received |
| Bespoke application EPR/AP3036YD/A001 | Responses to sections 3a – technical standards, 6c – climate change levy agreement, 6e and 7 of application form B3 and referenced supporting documentation submitted in support of application. | 02/08/2017 |
| Bespoke application EPR/AP3026YD/A001 | Site condition report | 02/08/2017 |
| Response to Schedule 5 Notice dated 28/03/2018 | Response to questions 1 – 5 of Schedule 5 notice in relation to the air quality risk assessment for the installation. | 17/04/2018 |
| Response to Schedule 5 Notice dated 23/05/2018 | Best Available Techniques (BAT) Assessment | 08/06/2018 |
| Additional information received in support of application EPR/AP3036YD/A001 | Odour Management Plan (OMP) | 27/06/2018 |
| Regulation 61 (1) Notice – Responses to questions dated 08/06/2022 | All parts | Received 04/10/2022 |
| Request for further information dates 25/07/2023 | Information provided in relation to BATcs 3, 4, 5, 7, 8, 9, 10, 11, 12, AELs, 13, 14, 15, 30, MCPs, cooling towers, and site plan. | 04/08/2023 |

| Table S1.3 Improvement programme requirements | | |
|--|--|-----------------------------|
| Reference | Requirement | Date |
| IC2 | The Operator shall confirm in writing to the Environment Agency that the Narrative BAT requirements for the BAT Conclusions for Food, Drink and Milk Industries with respect to BAT 6 and 7 were in place on or before 4 December 2023. Refer to BAT Conclusions for a full description of the BAT requirement. | One month from permit issue |
| IC3 | The operator shall use refrigerants without ozone depletion potential and with a low global warming potential (GWP) in accordance with BAT 9 from the Food, Drink and Milk Industries BATCs. To demonstrate compliance against BAT 9, the operator shall develop a replacement plan for the refrigerant system(s) at the installation. This shall | One month from permit issue |

| Table S1.3 Improvement programme requirements | | |
|--|---|---|
| Reference | Requirement | Date |
| | <p>be incorporated within the existing environmental management system by the specified date.</p> <p>The plan should include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • Where practicable, retro filling systems containing high GWP refrigerants e.g. R-404A with lower GWP alternatives as soon as possible. • An action log with timescales, for replacement of end-of-life equipment using refrigerants with the lowest practicable GWP. | |
| IC4 | <p>The operator shall produce a climate change adaptation plan. The approved plan will form part of the EMS.</p> <p>The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> • Details of how the installation has or could be affected by severe weather; • The scale of the impact of severe weather on the operations within the installation; • An action plan and timetable for any improvements to be made to minimise the impact of severe weather at the installation. <p>The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.</p> | 12 months from permit issue or other date agreed in writing with the Environment Agency |

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 | Source | Parameter | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
| A1 [Point A1 on site plan in Schedule 7] | Boiler 1 2.5 MWth Natural gas [Note 1] | Oxides of Nitrogen (NO and NO ₂ expressed as NO _x) | 250 mg/m ³ | Periodic | Every three years | BS EN 14792 |
| | | Carbon monoxide | No limit set | Periodic | Every three years | MCERTS BS EN15058 |
| A2 [Point A2 on site plan in Schedule 7] | Boiler 2 2.5 MWth Natural gas [Note 1] | Oxides of Nitrogen (NO and NO ₂ expressed as NO _x) | 250 mg/m ³ | Periodic | Every three years | BS EN 14792 |
| | | Carbon monoxide | No limit set | Periodic | Every three years | MCERTS BS EN15058 |
| A3 [Point A3 on site plan in Schedule 7] | Boiler 3 2.5 MWth Natural gas [Note 1] | Oxides of Nitrogen (NO and NO ₂ expressed as NO _x) | 250 mg/m ³ | Periodic | Every three years | BS EN 14792 |
| | | Carbon monoxide | No limit set | Periodic | Every three years | MCERTS BS EN15058 |
| A4 [Point A4 on site plan in Schedule 7] | Boiler Bosch Steam 2.5 MWth Natural gas [Note 1] | Oxides of Nitrogen (NO and NO ₂ expressed as NO _x) | 250 mg/m ³ | Periodic | Every three years | BS EN 14792 |
| | | Carbon monoxide | No limit set | Periodic | Every three years | MCERTS BS EN15058 |
| A5 [Point A5 on site plan in Schedule 7] | Boiler Fulton 1 0.6 MWth Natural gas | Oxides of Nitrogen (NO and NO ₂ expressed as NO _x) | No limit set | -- | -- | -- |
| | | Carbon monoxide | No limit set | -- | -- | -- |
| A6 [Point A6 on site plan in Schedule 7] | Boiler Fulton 2 0.6 MWth Natural gas | Oxides of Nitrogen (NO and NO ₂ expressed as NO _x) | No limit set | -- | -- | -- |
| | | Carbon monoxide | No limit set | -- | -- | -- |
| Note 1: Emission limit and/or monitoring requirements apply from 1 January 2030, unless otherwise advised by the Environment Agency. | | | | | | |

| Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements | | | | | | |
|---|---|------------------|---------------------------|-------------------------|-----------------------------|--------------------------------------|
| Emission point ref. & location | Source | Parameter | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method |
| W1 on site plan in schedule 7 emission to River Calder | Uncontaminated hardstanding run-off via interceptor | No parameter set | No limit set | -- | -- | -- |
| W2 and W3 on site plan in schedule 7 emission leading to soakaways 1 and 2 | Uncontaminated surface run-off from roofs | No parameter set | No limit set | -- | -- | -- |

| Table S3.3 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 |
| S1 [Point S1 on site plan in schedule 7] emission to Yorkshire Water Municipal Plant. | Treated process effluent from onsite effluent treatment plant | No parameters Set | No limit set | -- | -- | -- |

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 |
|--|--|---|---|
| Point source emissions to air Parameters as required by condition 3.5.1 | A1, A2, A3, and A4 | First monitoring undertaken in accordance with Condition 3.1.4 to be reported within 3 months, and then every 3 years thereafter. | From first monitoring requirements in accordance with Condition 3.1.4 |

| Parameter | Units |
|----------------------|--------|
| Vegetable oil spread | tonnes |

| Parameter | Frequency of assessment | Units |
|-------------------------|-------------------------|-------------------|
| Water usage | Annually | m ³ |
| Energy usage | Annually | MWh |
| Waste | Annually | tonnes |
| COD efficiency | Annually* | COD te/te product |
| Food waste | Annually | tonnes |
| Total raw material used | Annually | tonnes |

*COD efficiency to be calculated on a weekly frequency, reported annually

| Parameter | Reporting form | Form version number and date |
|-------------------------------|---|------------------------------|
| Point source emissions to air | Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1, 08/03/2021 |
| Food Waste | Food waste Reporting Form, or other form as agreed in writing by the Environment Agency | Version 1 06/02/2023 |
| 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 | |

| | |
|---|--|
| (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 breach of permit conditions not related to limits | |
| To be notified within 24 hours of detection | |
| 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. | |

| | |
|--|--|
| (d) 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.

“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.

“Food waste” reporting: Reporting of food waste to use a methodology such as the global Food Loss and Waste Accounting and Reporting Standard (FLW standard), WRAP’s Target Measure Act initiative or similar.

“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.

“Medium Combustion Plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW. An “existing medium combustion plant” is combustion plant operating before 20 December 2018.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“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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END OF PERMIT

Permit number
EPR/FP3845Q