

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Muller UK & Ireland Group LLP

Droitwich Dairy
Stonebridge Cross Business Park
Droitwich
Worcestershire
WR9 0LW

Variation application number

EPR/EP3836NU/V003

Permit number

EPR/EP3836NU

Droitwich Dairy

Permit number EPR/EP3836NU

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.

The schedules specify the changes made to the permit.

Droitwich Dairy treat and process raw milk (cows) for distribution to retail outlets in cartons and polybottles.

Raw milk is delivered to site in tankers to the raw milk reception where it is chilled and stored in silos prior to further processing. The milk is then pasteurised and standardised into full cream, semi-skimmed and skimmed milks. The excess cream from the pasteurisation process is then pasteurised and packed into retail containers or exported offsite in bulk tankers for further processing and packaging. Once the milk has completed the pasteurisation process milk is packed using modern filling machines into polybottles or cartons. All process plant and filling equipment is cleaned and sterilised each day.

The daily limit for processing of raw milk is 2.6 million litres a day.

The Environmental Permit is for the main listed activity falling under Section 6.8 Part A(1)(e)(ii) of the Environmental Permitting Regulations: *Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis)*.

The main emissions to air are from the three natural gas fired boilers (with a thermal input of 2 x 1.8MWth & 1 x 1.9MWth) and a CHP plant (combined heat and power) which comprises of two natural gas generators each with a thermal input of 2.25MWth. The boilers are considered to be existing medium combustion plant (MCP) and the CHP plant is considered to be new MCP under the medium combustion plant directive. Revised emission limits for the boilers and the CHP were included under the previous variation (EPR/EP3836NU/V002).

The main emissions from the site include the discharge of treated process effluent to the foul sewer. Effluent from the cleaning of process plant and filling equipment along with the washing of the tankers is treated by the onsite effluent treatment plant, prior to discharging to the foul sewer. A proportion of the treated effluent is further treated via reverse osmosis for reuse on site. Sludges from the effluent treatment plant are removed from site for further treatment and disposal. Clean, uncontaminated surface water originating from roofs and yard areas is discharged to Elmbridge Brook. Surface water from yard areas passes through one of two interceptors prior to the discharge.

The installation is located on Stonebridge Cross business park and centred on National Grid Reference SO 87881 65200, the town of Droitwich Spa is approximately 3km southeast of the site. The site is surrounded by open land to the west and north, with commercial premises to the south and east. The nearest residential receptors are approximately 800m to the east.

Lyppard Grange Ponds a site of Special Areas of Conservation (SAC) is within 10km of the installation boundary. Westwood Great Pool is considered a site of Special Scientific Interest (SSSI) and is within 2km of the installation boundary. There are six Local Wildlife Sites and seven Ancient Woodlands within 2km of the installation boundary.

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/BJ4710IA/A001	Duly made 16/11/2000	Application received for the treatment and processing of milk.
Response to Schedule 4 Information Notice	Received 02/01/2001, 09/01/2001, 24/01/2001	Request dated 22/12/2000
Additional Information received	26/03/2001	Request dated 21/03/2001
Permit determined BJ4710IA	02/04/2001	Permit issued
Application EPR/BJ4710IA/V002 (variation)	Duly made 04/12/2006	Application to vary permit to allow the following changes <ul style="list-style-type: none"> • Addition of emission point to air (venting of Hydrogen Peroxide) • Increase in production volume • Increase in associated trade effluent volume
Additional Information received	17/04/2007, 24/04/2007, 01/10/2007 & 17/10/2007	
Variation determined	02/11/2007	Varied permit issued
Application EPR/BJ4710IA/V003 (variation)		Application to amend the site boundary
Variation Notice EPR/BJ4710IA/V003	23/01/2009	Varied permit issued.
Application received EPR/BJ4710IA/V004	Duly made 08/12/2011	Application to install a wastewater treatment plant.
Variation determined	02/03/2012	Varied permit issued.
Application EPR/EP3836NU/T001(full transfer of permit EPR/BJ4710IA)	Duly made 25/11/2013	Application to transfer the permit in full to Muller UK & Ireland Group LLP.
Transfer determined EPR/EP3836NU	18/12/2013	Full transfer of permit complete.
Application EPR/EP3836NU/V002 (variation)	Duly made 26/04/2022	Application to install a Combined Heat and Power (CHP) Plant and revise emission limits of existing boilers
Additional Information received	05/07/2022	Updated Air Emissions Risk Assessment
Variation determined EPR/EP3836NU	23/09/2022	Notice of variation issued
Application EPR/EP3836NU/V003 (variation and consolidation)	Regulation 61 Notice response received 01/11/2021	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Request for further information dated 31/10/2022	Response received 30/11/2022	Further information regarding BATc 3, 6, 11 in addition to submission of a revised copy of the Regulation 61 Response, clarification of the

Status log of the permit		
Description	Date	Comments
		emissions to surface water, data for the emissions of water to the sewer and revised site plan.
Request for further information dated 12/12/2022	29/12/2022	Further information regarding BATc 6, Climate Change adaptation, treatment of boiler blowdown and onsite containment.
Variation determined and consolidation issued EPR/EP3836NU (Billing ref. AP3245QE).	19/07/2023	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/EP3836NU

Issued to

Muller UK & Ireland Group LLP (“the operator”)

whose registered office is

Tern Valley Business Park

Shrewsbury Road

Market Drayton

Shropshire

TF9 3SQ

company registration number OC384928

to operate a regulated facility/ regulated facilities at

Droitwich Dairy

Stonebridge Cross Business Park

Droitwich

Worcestershire

WR9 0LW

to the extent set out in the schedules.

The notice shall take effect from 19/07/2023.

Name	Date
Rebecca Brough	19/07/2023

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/EP3836NU

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/EP3836NU/V003 authorising,

Muller UK & Ireland Group LLP (“the operator”),

whose registered office is

Tern Valley Business Park

Shrewsbury Road

Market Drayton

Shropshire

TF9 3SQ

company registration number OC384928

to operate an installation at

Droitwich Dairy

Stonebridge Cross Business Park

Droitwich

Worcestershire

WR9 0LW

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

Name	Date
Rebecca Brough	19/07/2023

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”).

2.2 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.

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 1.1 (AR3) (Steam and electrical power supply) the first monitoring measurements shall be carried out within four months of the issue date of the permit (V002) 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.
- 3.3.2 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.

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	S6.8 A1 (e)	Treating and processing milk with the quantity of milk received being more than 200 tonnes per day (average value on annual basis)	From receipt of raw milk delivered to the site, treatment of milk including pasteurisation, homogenisation and standardisation to produce milk and cream through to the dispatch of final product. Volume of raw milk permitted at the site is limited to 2.6 million litres of milk per day.
AR2	S5.4 A1 (a) (ii)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment.	Treatment of trade effluent within the onsite effluent treatment plant, from generation of effluents to discharge to foul sewer or return of recovered water (or transport of sludge off site) for reuse within the dairy or discharge to foul sewer.
Directly Associated Activity			
AR3	Steam and electrical power supply	Medium Combustion plants: 2 x 1.8 MWth gas-fired boilers 1 x 1.9 MWth gas fired boiler 2 x 2.5 MWth gas fired CHP	From receipt of fuel to release of products of combustion to air.
AR4	Storage and handling of raw milk.	Milk receipt and storage.	Arrival of milk on site, receipt of milk from tankers, storage in silos and transfer to milk processing units.
AR5	Milk and cream filling, packaging, storage and discharge	Filling of milk and cream into polybottles and fibre cartons respectively. Storage and loading of milk for dispatch.	From filling of product to dispatch of product and transport off site.
AR6	Refrigeration plant for milk processing	Refrigeration of raw materials and final packaged product and operation of refrigeration plant.	From receipt of raw material or final product to dispatch from cold storage, including storage and handling of refrigeration chemicals and/or gases.
AR7	Water discharges to surface water sewer.	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to the site surface water system.
AR8	Waste removal.	Removal of waste from site.	Collection, loading and transport off site

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR9	Vehicle washing.	Cleaning in place and drive through exterior vehicle wash system.	Vehicle washing equipment.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/BJ4710AI/A001	The response to question 2.3 given in Section 2.3 of the application	16/11/2000
Response to Schedule 4 Part 1 Notice Response dated 22/12/2000	Response to questions 2.3a, 2.3g, 2.3.1 and 2.3.4	02/01/2001, 09/01/2001 & 24/01/2001
Application for Variation TP3932MZ		04/12/2006
Further information in support of application for variation	Letter outlining proposed schedule for servicing interceptors & desludging effluent storage tanks	17/01/2007
Application for variation EA/EPR/BJ4710IA/V003	Information amending Section 2.3g of permit application.	15/12/2008
Application for variation EPR/BJ4710IA/V004	Application form Part C2 and Part C3. Reference 1 (includes emissions, chemical inputs, water usage, sludge production and disposal, odour) Reference 3 – CAP Technology process diagram Reference 4 – Table 3 – Technical standards, section 7 Process Mass Balance, Section 8 detailing handling and storage of sludge	08/12/2011
Application variation EPR/EP3836NU/V002	Application form Part C2 and Part C3 referenced Operating Techniques Document (dated June 2021).	26/04/2022
Air Quality Report provided with Application EPR/EP3836NU/V002	Air Quality parameters – e.g. volumetric flow rate stated within section 5 of application Air Emissions Risk Assessment	05/07/2022
Further information in support of application for variation EPR/EP3836NU/V002	Application form C2.5 Appendix 1	24/08/2022
Further information in support of application for variation	Letter outlining proposed schedule for servicing interceptors & desludging effluent storage tanks	17/01/2007
Regulation 61 (1) Notice – Responses to questions dated 30/07/2021	All parts	Received 01/11/2021
Regulation 61(1) Notice – request for further information dated 31/10/2022	Further information regarding the following BATc 3, 6, 11 in addition to revised copy of the Regulation 61 Response, clarification of the emissions to surface water, data for the emissions of water to the sewer and revised site plan.	Received 30/11/2022
Regulation 61(1) Notice – request for further information dated 12/12/2022	Further information regarding BATc 6, Climate Change adaptation, treatment of boiler blowdown and onsite containment.	Received 29/12/2022

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	1.8 MWth natural gas fired Boiler Plant	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	190 mg/m ³ [note 2]	Periodic	Every three years	BS EN 15267-3 [Note 1]
		Carbon monoxide	65 mg/m ³	Periodic	Every three years	MCERTS BS EN15058
A2 [Point A2 on site plan in Schedule 7]	1.8 MWth natural gas fired Boiler Plant	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	190 mg/m ³ [note 2]	Periodic	Every three years	BS EN 15267-3 [Note 1]
		Carbon monoxide	65 mg/m ³	Periodic	Every three years	MCERTS BS EN15058
A3 [Point A3 on site plan in Schedule 7]	1.9 MWth natural gas fired Boiler Plant	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	190 mg/m ³ [note 2]	Periodic	Every three years	BS EN 15267-3 [Note 1]
		Carbon monoxide	65 mg/m ³	Periodic	Every three years	MCERTS BS EN15058
A4 [Point A4 on site plan in Schedule 7]	Processing room	No parameters set	No limit set	--	--	--
A5 [Point A5 on site plan in Schedule 7]	2.5 MWth natural gas fired CHP (CHP 1)	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	95mg/m ³ [note 3]	Periodic	Every three years	BS EN 15267-3 [Note 1]
		Carbon monoxide	No limit set	Periodic	Every three years	MCERTS BS EN15058
A6 [Point A6 on site plan in Schedule 7]	2.5 MWth natural gas fired CHP (CHP 2)	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	95mg/m ³ [note 3]	Periodic	Every three years	BS EN 15267-3 [Note 1]
		Carbon monoxide	No limit set	Periodic	Every three years	MCERTS BS EN15058

Note 1: certification to the MCERTS performance standards indicates compliance with BS EN 15267-3

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
Note 2: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O ₂ content of 3% O ₂						
Note 3: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O ₂ content of 15% O ₂						

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 [Point W1 on site plan in schedule 7] emission to Elmbridge Brook	Uncontaminated surface water via interceptor	No parameters set	No limit set			
	Roof water	No parameters 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 Seven Trent sewer	Treated process effluent and boiler blow down 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.

Table S4.1 Reporting of monitoring data			
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	Every 12 months	1 January
	A5 & A6	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
Point source emissions to sewer Parameters as required by condition 3.5.1	S1	Every 12 months	1 January
COD from acidified dichromate mg/l	S1	Monthly	1 April
COD from acidified dichromate kg/day	S1	Monthly	1 April

Table S4.2: Annual production/treatment	
Parameter	Units
Pasteurised milk produced.	tonnes
Cream despatched	tonnes

Table S4.3 Performance parameters		
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
*COD efficiency to be calculated on a weekly frequency, reported annually		

Table S4.4 Reporting forms		
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
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
Food waste	Food waste Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1 06/02/2023
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	
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