

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

A.J and R.G Barber Limited

Maryland Farm Cheese Production
Maryland Farm
Ditcheat
Shepton Mallet
Somerset
BA4 6PR

Variation application number

EPR/BP3232SF/V006

Permit number

EPR/BP3232SF

Maryland Farm Cheese Production

Permit number EPR/BP3232SF

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 2025 and 2030.

The schedules specify the changes made to the permit.

The main features of the installation are as follows:

Maryland Farm is an installation that undertakes the treatment and processing of milk under Section 6.8 A(1)(e) of the Environmental Permitting (England and Wales) Regulations 2016 – *Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis).*

The installation also operates an effluent treatment plant (ETP) under section 5.4 A(1)(a)(ii) of the Environmental Permitting (England and Wales) Regulations 2016 - *Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment.*

The permit allows A.J and R.G Barber Limited to process milk into hard mature cheddar cheese in a process that takes up to 18 months. The milk is pasteurised, separated (to generate cream), inoculated and ripened to produce both whey and cheese.

For the production of whey, the feedstock comprises whey produced on site from the cheese making process and whey imported from local cheese makers. A small quantity of cream is separated from the whey to produce cream and butter.

The whey is further treated through ultra-filtration to increase the solids content and evaporated using multiple effect evaporators and vapour recompression. The whey is then passed through a spray dryer to produce whey protein powder. The remaining product is processed using ultra-filtration and reverse osmosis to generate lactose, clean water and permeable sludge. The lactose is used as an animal feed and the clean water is used within the cheese making process, along with water from the evaporation plant.

The main emissions to air arise from the spray dryer and combustion plant comprising two natural gas fired boilers (6.4MWth each), a 0.092 MWth water boiler in the pre-pack area and a 1.2 MWth emergency diesel generator.

The emissions to water arise from the effluent treatment plant which discharges directly to the River Brue, and uncontaminated surface water run-off from yards and roofs which discharges directly to Kite Lane Ditch.

Residential receptors are in close proximity, to the north east of the installation. There are no statutory ecological receptors with the relevant distances of the site, but Ditchheat Gully Local Wildlife Site is approx. 1.1 km to the north of the site.

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/BP3232SF/A001	24/03/05	Application received for an installation undertaking the treatment and processing of milk
Permit determined	08/09/05	Permit issued to A.J & R.G Barber Limited.
Application for a variation EPR/BP3232SF/V002	27/01/06	Variation application to add an effluent treatment plant to the permit.
Variation determined	07/03/06	Variation determined.
Application for a variation EPR/BP3232SF/V003	Duly made 03/04/07	Variation to replace 3 gas oil fired boilers with 2 natural gas/dual fuelled boilers.
Variation notice issued	30/04/07	Variation issued.
Agency variation determined EPR/BP3232SF/V004	06/03/14	Agency variation to implement the changes introduced by IED.
Application for a variation EPR/BP3232SF/V005	Duly made 19/01/18	Application to increase the discharge rate of the site effluent treatment plant from 600 m ³ /day to 800 m ³ /day.
Variation determined	05/04/18	Varied permit issued.
Application EPR/BP3232SF/V006 (variation and consolidation)	Regulation 61 Notice response received 21/07/22	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Response to request for further information dated 31/05/23	14/06/23 19/06/23	Further information in relation to BAT 6,7,9,13,22, AEPL information, containment assessment and MCPD information.
Variation determined and consolidation issued EPR/BP3232SF (Billing ref: GP3648QF)	14/08/23	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/BP3232SF

Issued to

A.J and R.G Barber Limited (“the operator”)

whose registered office is

Maryland Farm

Ditcheat

Shepton Mallet

Somerset

BA4 6PR

company registration number 00551460

to operate a regulated facility at

Maryland Farm Cheese Production

Maryland Farm

Ditcheat

Shepton Mallet

Somerset

BA4 6PR

to the extent set out in the schedules.

The notice shall take effect from 14/08/2023.

Name	Date
Katherine Fisher	14/08/2023

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/BP3232SF

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BP3232SF/V006 authorising,

A.J and R.G Barber Limited (“the operator”),

whose registered office is

Maryland Farm

Ditcheat

Shepton Mallet

Somerset

BA4 6PR

company registration number 00551460

to operate an installation/part of an installation at

Maryland Farm Cheese Production

Maryland Farm

Ditcheat

Shepton Mallet

Somerset

BA4 6PR

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

Name	Date
Katherine Fisher	14/08/2023

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 areas of land shown edged green, and connected by the pipeline shown in blue, on the site plans at schedule 7 to this permit

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.

- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR4 – Medium Combustion Plant); the first monitoring measurements shall be carried out within four months of 01/01/2025 for the 6.2MW boilers, and 01/01/2030 for the emergency generator; 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 and S3.2.

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production/treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately —
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

- 4.3.2 Any information provided under condition 4.3.1 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 A(1)(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 to the dispatch of finished products (cheese and butter) Production capacity is limited to 600 tonnes per day.
AR2	Section 5.4 Part A(1)(a)(ii)	Physicochemical Treatment of non-hazardous waste waters by dissolved air flotation, activated sludge and membrane treatment at a plant with a treatment capacity of 800 tonnes per day.	From generation of waste water to discharge to River Brue via the emissions point at NGR ST 61382 33037.
Directly Associated Activity			
AR3	Production of whey protein powder	Production of whey protein powder from treatment of liquid whey	From receipt of raw materials to dispatch of final product.
AR4	Provision of steam, hot water, heat and power.	Medium Combustion Plant: 2 x 6.4 MWth natural gas fired boilers (Boiler 1 & Boiler 2) 1 x 1.2 MWth standby diesel generator for emergency use only. Other plant: 1 x 0.092 MWth water boiler in pre-pack area fired on natural gas (Boiler 3)	From receipt of fuel to release of products of combustion to air. Stand-by emergency plant shall not operate more than 500 hours per year (as a rolling 3-year average).
AR5	Collection lagoon	Emergency Effluent collection lagoon in the event of a plant breakdown or failure	For disposal via authorised process.
AR6	Surface water drainage	Collection of uncontaminated site surface waters	Collection of uncontaminated surface water from site to discharge to Kite Lane Ditch via W1 – W5, via an oil interceptor installed at W3.
AR7	Waste storage, handling and despatch	Storage and handling of waste materials	From generation of waste produced at installation to temporary storage and dispatch for recovery/disposal.

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR8	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.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Regulation 61 (1) Notice – Responses to questions dated 25/03/2022	All parts	Received 21/07/2022
Regulation 61(1) Notice – request for further information dated 31/05/2023	All parts, including Noise Management Plan as part of the site Environmental Management System (EMS).	Received 14/06/2023 & 19/06/2023

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP1 – IP10	Complete	--
IP11	The Operator shall submit a written report to the Environment Agency of monitoring carried out to determine the size distribution of particulate matter in the exhaust gas emissions to air from emission point A6, identifying the fractions within the PM10 and PM2.5 ranges. The monitoring shall be carried out under representative operating conditions and shall be in accordance with EN ISO 23210 unless otherwise agreed with the Environment Agency.	14/08/2024
IP12	<p>The Operator shall undertake a comprehensive review and assessment of the primary and secondary containment at the site and review measures against relevant standard including:</p> <ul style="list-style-type: none"> • CIRIA Containment systems for the prevention of pollution (C736) – Secondary, tertiary and other measures for industrial and commercial premises • EEMUA 159 - Above ground flat bottomed storage tanks <p>The operator shall submit a written report to the Environment Agency approval which outlines the results of the survey and the review of standard and provide details of:</p> <ul style="list-style-type: none"> • current primary and secondary containment measures • any deficiencies identified in comparison to relevant standards • improvements proposed • time scale for implementation of improvements <p>The operator shall implement the proposed improvements in line with the timescales agreed by the Environment Agency, and incorporate an ongoing routine inspection and maintenance programme as part the EMS.</p>	14/08/2024

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Fuel oil	Less than 0.1% w/w sulphur content

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 emission point plan in Schedule 7]	Boiler 1 – 6.4MWth boiler fired on natural gas [Note 1]	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	200 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years	BS EN 15058
A2 [Point A2 on emission point plan in Schedule 7]	Boiler 2 – 6.4MWth boiler fired on natural gas [Note 1]	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	200 mg/m ³	Periodic	Every three years	BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every three years	BS EN 15058
A3 [Point A3 on emission point plan in Schedule 7]	Boiler 3 – 0.092 MWth water heater fired on natural gas	No parameters set	No limit set	--	--	--
A4 [Point A4 on emission point plan in Schedule 7]	1.2 MWth stand-by emergency generator fired on fuel oil [Note 2]	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	No limit set	Periodic	Note 3	BS EN 14792
		Sulphur dioxide	No limit set	Periodic	Note 3	BS EN 14791
		Carbon monoxide	No limit set	Periodic	Note 3	BS EN 15058
A5 [Point A5 on emission point plan in Schedule 7]	Dryer combustion air	No parameters set	No limits set	--	--	--
A6 [Point A6 on emission point plan in Schedule 7]	Spray dryer exhaust via bag filter/cyclone	Particulate matter	10 mg/m ³	Average over sampling period	Annually	BS EN 13284-1
			--	--	Continuous	MCERTS
<p>Note 1: Limits and/or monitoring requirements are effective from 01/01/2025.</p> <p>Note 2: Monitoring requirements are effective from 01/01/2030.</p> <p>Note 3: Monitoring shall be undertaken every 1,500 hours of operation, or every five years, whichever is sooner.</p>						

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
Emission to River Brue at NGR ST 61382 33037 as shown on the layout plan in Schedule 7	Effluent treatment plant located at NGR ST 61170 33490 as shown on plans in Schedule 7	Total daily volume of discharge	800 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		Maximum flow rate	35 m ³ /hour	Hourly	Continuous	MCERTS self-monitoring of effluent flow scheme
		Biological Oxygen Demand (BOD)	12 mg/l	Spot sample	Weekly	BS EN 1899-1
		Chemical Oxygen Demand (COD)	From 04/12/2023: 125 mg/l	24-hour flow proportional composite sample	Daily	BS ISO 15705
		Total suspended solids (TSS)	30 mg/l	24-hour flow proportional composite sample	Daily	BS EN 872
		Total nitrogen (TN)	From 04/12/2023: 20 mg/l	24-hour flow proportional composite sample	Daily	BS EN 12260
		Total phosphorus (TP)	Until 03/12/2023: 5mg/l	24-hour flow proportional composite sample	Daily	BS ISO 6878
			From 04/12/2023: 4 mg/l			
		Free chlorine	0 mg/l	Spot sample	Daily	BS ISO 7393-3
		Chloride	No limit set	Spot sample	Monthly	BS ISO 10304-1
		Ammonia	5 mg/l	24-hour flow proportional composite sample	Daily	BS ISO 11732
		pH	6 – 9	Spot sample	Daily	BS ISO 10523
FOG	No visible film	Instantaneous	Daily	Visual inspection		
W1 on emission point plan in schedule 7 - emission to Kite Lane Ditch	Uncontaminated surface water from car park	No parameters set	No limit set	--	--	--

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
W2 on emission point plan in schedule 7 - emission to Kite Lane Ditch	Uncontaminated surface water from yard area via interceptor fitted at W3	No parameters set	No limit set	--	--	--
W3 on emission point plan in schedule 7 - emission to Kite Lane Ditch	Uncontaminated surface water from yard area via interceptor	No parameters set	No limit set	--	--	--
W4 on emission point plan in schedule 7 - emission to Kite Lane Ditch	Uncontaminated surface water from yard area via interceptor fitted at W3	No parameters set	No limit set	--	--	--
W5 on emission point plan in schedule 7 - emission to Kite Lane Ditch	Uncontaminated surface water from roofs via interceptor fitted at W3	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 & A4 (MCPD plant emission points)	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
	A6	Every 12 months	1 January
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	W1	Quarterly	1 January, 1 April, 1 July & 1 October

Table S4.2 Annual production/treatment	
Parameter	Units
Cheese produced	Tonnes
Whey produced	Tonnes
Butter & other products produced	Tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Raw material used	Annually	Tonnes
Water usage	Annually	m ³
Energy usage	Annually	MWh
Waste produced	Annually	Tonnes
COD efficiency	Annually*	COD te/te product
Food waste	Annually	Tonnes
Emergency generator use	Annually	Hours
*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
Point source emissions to water (other than sewer)	Emissions to Water 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.

“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.

“average over the sampling period” means the average value of three consecutive measurements of at least 30 minutes each, unless otherwise stated, as defined in the General Considerations section of the Food, Drink & Milk Industries BAT Conclusions.

“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.

“Year” means calendar year ending 31 December.

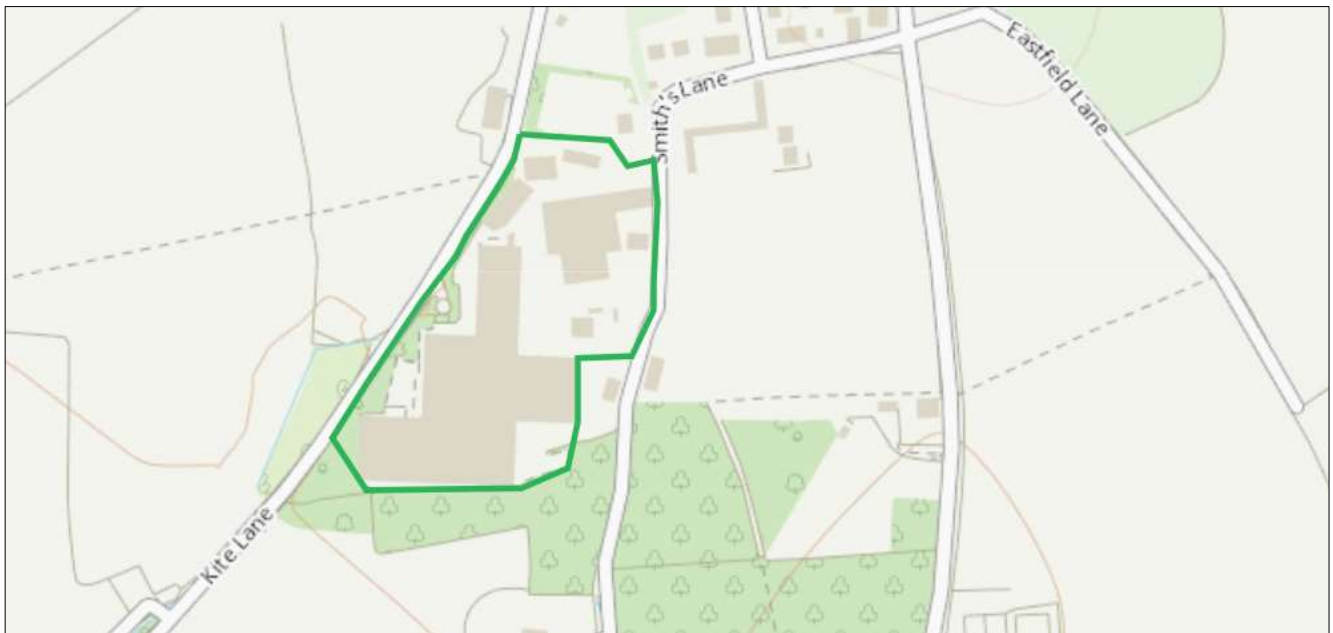
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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 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

Schedule 7 – Site plans

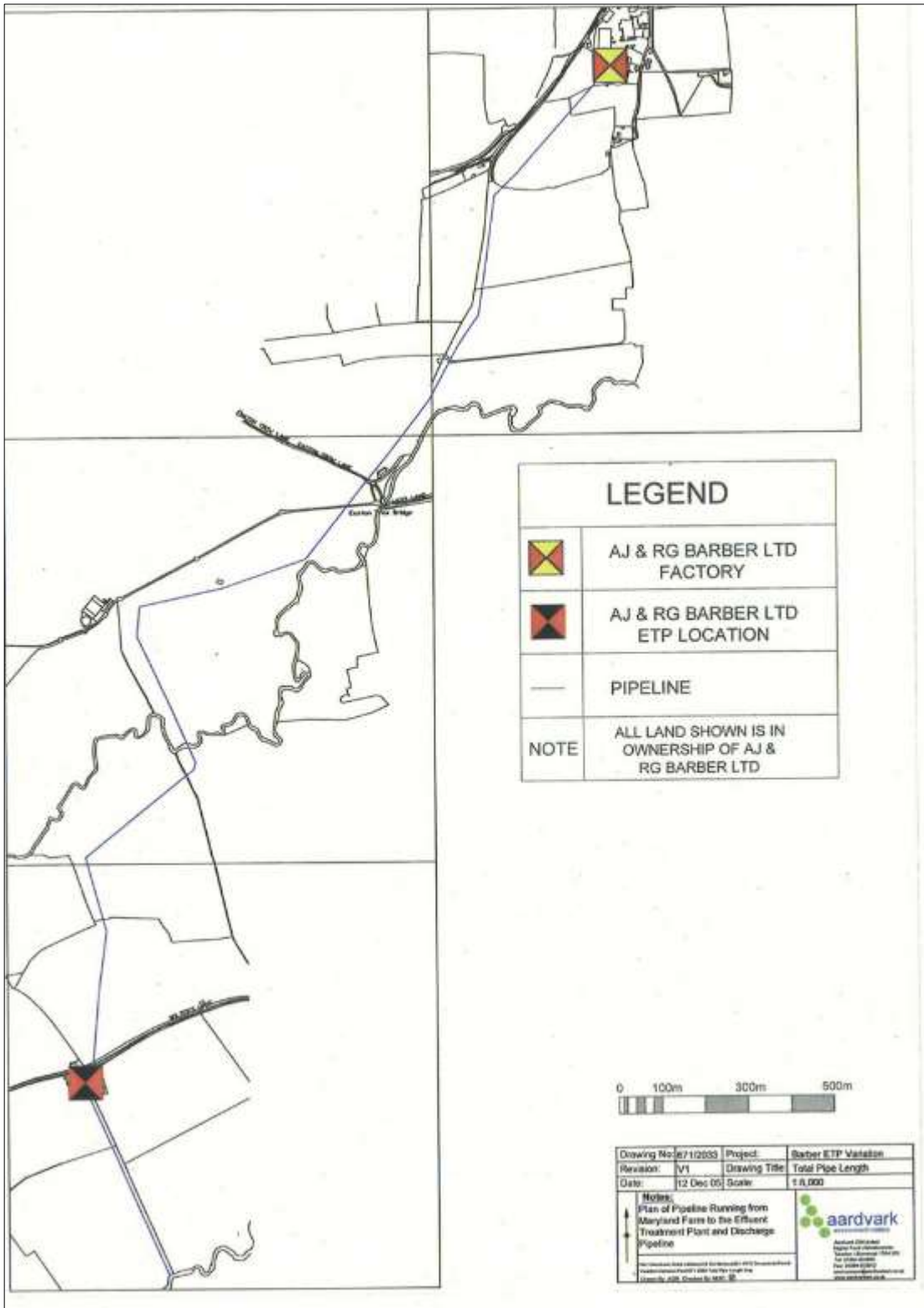
Cheese production






Effluent Treatment Plant




Pipeline plan



LEGEND

	AJ & RG BARBER LTD FACTORY
	AJ & RG BARBER LTD ETP LOCATION
	PIPELINE
NOTE	ALL LAND SHOWN IS IN OWNERSHIP OF AJ & RG BARBER LTD



Drawing No: 67112033	Project:	Barber ETP Variation
Revision: V1	Drawing Title:	Total Pipe Length
Date: 12 Dec 05	Scale:	1:1,000
Notes: Plan of Pipeline Running from Maryland Farm to the Effluent Treatment Plant and Discharge Pipeline		 Aardvark Environmental Engineering & Construction 1000 1000 1000 1000
<small> The information contained herein is the property of Aardvark Environmental Engineering & Construction. It is to be used only for the project and location specified. It is not to be used for any other purpose without the written consent of Aardvark Environmental Engineering & Construction. </small>		

Location plan



Emission point plan



A1	Boiler 1	W1	Car park surface water
A2	Boiler 2	W2	Yard surface water
A3	Prepack boiler	W3	Yard surface water
A4	Standby generator	W4	Yard surface water
A5	Dryer combustion air	W5	Roofs rainwater
A6	Dryer exhaust		

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END OF PERMIT