

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Wyke Farms Ltd
Wyke Farmhouse Cheese
White House Farm
Wyke Champflower
Bruton
Somerset
BA10 0PU

Variation application number

EPR/BQ1824IV/V005

Permit number

EPR/BQ1824IV

Wyke Farmhouse Cheese

Permit number EPR/BQ1824IV

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. Only the variations specified in schedule 1 are subject to a right of appeal.

The main features of the permit are as follows:

The installation is located in a rural setting 2 km east of Bruton in Somerset, at grid reference ST 66430 34723. The site is bounded by agricultural land, with several residential receptors and two villages within 3 km of the installation. The nearest residential receptors are adjacent to the site. There is a Site of Special Scientific Interest (Godminster Lane Quarry and Railway Cutting) and eight Local Wildlife Sites within 2 kilometres of the facility.

Wyke Farms Limited 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 biological treatment.

The permit allows Wyke Farms Limited to process milk to produce cheese, butter, cream, skim concentrate and whey powder from receipt of raw materials. Milk is received in bulk tankers and pumped into 1 of 8 storage silos. The milk is then pasteurised for cheese making. The skimmed milk is then pasteurised and sent for evaporation. The separated cream is sent for butter making. Whey, separated from the curds in the cheese making process, is sent to the ultra-filtration plant to recover whey protein. The key processes undertaken are therefore milk separation, pasteurisation, cheese making, evaporation, whey processing and butter making.

The site utilises electricity and heat from a neighbouring permitted AD site, which is regulated under permit reference EPR/PB3037RS. The associated renewable energy generation is located on the Wyke Farmhouse Cheese site, but not within the permitted boundary.

The main emissions to air arise from the combustion plant comprising two natural gas fired boilers (9.4MWth each).

The emissions to water arise from the effluent treatment plant which discharges directly to the River Brue, and uncontaminated surface water run-off discharges to a tributary of the River Brue (the culverted tributary) at grid reference ST 66202 33922. The Operator has a separate extraction licence for the water used at the facility, reference 16/52/099/G/134/R01.

This variation is due to the construction of a new dairy production building, known as Ivy's Dairy, along with a butter dairy, product stores, weighbridge and lorry wash.

The following changes have been made as a result of this variation:

- The volume of effluent permitted to be discharge from emission point W1 has increased from 750m³/d to 1,548m³/d and from 32.25m³/h to 64.5m³/h.

- A second bioreactor is being added to the effluent treatment plant to treat a higher COD loading, manage an increase in effluent volume and improve the aerobic treatment capacity. A volute is also being added to increase the solids content of the effluent sludge.
- The permitted area has been amended to incorporate the new production area, stores and surface water management system and also to remove the obsolete effluent pipeline to the piggery.
- The location of emission point W2 will be relocated as per the site plan, due to the installation of a new surface water management system. A daily visual inspection for turbidity has been added to this emission point.
- The lorry wash has been included as a DAA, AR8.
- The emergency backup generator has been included as a DAA, AR9.
- The operating techniques have been updated to include an Accident Management Plan.
- Pre-operational conditions have been added to ensure the bunding is suitable and suitably constructed for the new effluent treatment plant tanks and equipment and also for the new cream tanks that are planned to be installed.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application Received BQ1824IV (EPR/BQ1824IV/A001)	12/08/2005	Duly Made
Permit determined EPR/BQ1824IV	21/06/2006	
Application EPR/BQ1824IV/V002	01/04/2010	Duly made Inclusion of reed beds for effluent treatment.
Further Information Received	09/08/2010	
Variation issued	10/09/2010	
Application EPR/BQ1824IV/V003	10/09/2013	Duly Made Upgrade ETP-membrane system & IED
Further Information received	29/11/2013	Phosphate monitoring and control measures
Variation issued (Consolidated)	02/12/2013	
Application EPR/BQ1824IV/V004 (variation and consolidation)	Regulation 61 Notice response received 20/07/2022	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Variation determined and consolidation issued EPR/BQ1824IV	01/12/2023	Varied and consolidated permit issued in modern format
Application EPR/BQ1824IV/V005 (variation and consolidation)	Duly made 10/02/2023	Application to increase the permit boundary, add a new production facility and storage shed and increase the volume of discharge to surface water
Further information received	27/04/2023	Updated Accident Management Plan, noise risk assessment, site containment, BAT, operating techniques, effluent treatment and odour risk assessment
Further information received	26/05/2023	Updated site containment details

Status log of the permit		
Description	Date	Comments
Variation determined and consolidation issued EPR/BQ1824IV (Billing ref.GP3644QL).	22/12/2023	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/BQ1824IV

Issued to

Wyke Farms Ltd (“the operator”)

whose registered office is:

**White House Farm
Wyke Champflower
Bruton
Somerset
BA10 0PU**

company registration number 00751654

to operate a regulated facility at

**Wyke Farmhouse Cheese
White House Farm
Wyke Champflower
Bruton
Somerset
BA10 0PU**

to the extent set out in the schedules.

The notice shall take effect from 22/12/2023.

Name	Date
Vicky Patchett	22/12/2023

Authorised on behalf of the Environment Agency

Schedule 1

The following conditions were varied as a result of the application made by the operator:

- Table S1.1, as referenced in condition 2.1.1, has been amended to include activity AR8 for the lorry wash and AR9 for the emergency generator. AR1 has also been amended to align the production limits with current/anticipated production figures.
- Table S1.2, as referenced in conditions 2.3.1 and 2.3.2, has been amended to include an Accident Management Plan.
- Table S2.1, as referenced in condition 2.3.3, has been amended to ensure that the sulphur content in the fuel for the boilers is <0.1% sulphur.
- Table S3.1, as referenced in conditions 3.1.1, 3.5.1 and 3.5.4, has been amended to include the emission point for the emergency backup generator.
- Table S3.2, as referenced in conditions 3.1.1, 3.5.1 and 3.5.4, has been amended to increase the volume of effluent discharged and emission limits.
- Table S4.2, as referenced in condition 4.2.2, has been amended to reflect the method of measurement of production tonnages.
- A definition for “production capacity” has been added to Schedule 6.
- The site plan in Schedule 7, as referenced in condition 2.2.1, has been amended to include land for Ivy’s Dairy and remove land associated with a redundant pipeline to Lambrook Piggery.

The following conditions were added as a result of the application made by the operator:

- Table S1.4 and condition 2.5.1 relating to pre-operational measures for new cream tanks and new effluent treatment plant equipment have been added to the permit.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BQ1824IV

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BQ1824IV/V005 authorising,

Wyke Farms Ltd (“the operator”),

whose registered office is

**White House Farm
Wyke Champflower
Bruton
Somerset
BA10 0PU**

company registration number 00751654

to operate an installation at

**Wyke Farmhouse Cheese
White House Farm
Wyke Champflower
Bruton
Somerset
BA10 0PU**

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

Name	Date
Vicky Patchett	22/12/2023

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”).

2.2 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.

2.5 Pre-operational conditions

2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.

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.

3.2 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.

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 (e)	Treating and processing milk with the quantity of milk received being more than 200 tonnes per day (average value on annual basis)	Milk processing to make cheese, butter, cream, skim concentrate and whey, from receipt of raw materials to despatch of finished products and waste Production capacity is limited to 98,000 tonnes per annum.
AR2	Section 5.4 Part A1 (a) (i)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment.	Primary and secondary treatment of effluent produced on site with the treated effluent being discharged into a culverted tributary of the River Brue.
Directly Associated Activity			
AR3	Steam supply	Medium Combustion Plants: 2 x 9.4 MWth boilers fired on natural gas.	From storage of fuel to emission of combustion gases
AR4	Cleaning	Cleaning-in-place (CIP) systems	The cleaning of storage & production areas and associated equipment
AR5	Use of refrigerants	Use of refrigerants in cooling, chilling and/or freezing systems at the installation.	The storage and handling of refrigerants and the operation of refrigeration plant
AR6	Waste storage, handling and dispatch	Storage and handling of waste materials	The storage and handling of liquid and solid wastes associated with the processing of raw whole milk and production of cheese, skim and whey protein concentrate, butter and cream.
AR7	Oils and chemicals storage	Storage of oils and chemicals on site in dedicated areas	From receipt of raw materials to disposal of wastes arising
AR8	Lorry wash	Lorry wash	The storage, handling and disposal of liquid wastes and cleaning chemicals associated with the cleaning of vehicles onsite.
AR9	Emergency back-up generator	Emergency back-up generator	Emergency back-up generator operated for the purpose of testing for no more than 50 hours per year and no more than 500

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
			hours operation in an emergency

Table S1.2 Operating techniques		
Description	Parts	Date Received
Regulation 61 (1) Notice – Responses to questions dated 25/03/2021	All parts	Received 20/07/2022
Further information	Accident Management Plan Wyke Farms Bruton Site, April 2023, Revision 10	27/04/2023

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC13	The Operator shall undertake a programme of infrastructure improvements to ensure that the relevant BAT-AEL “concentration in volume” limit for Total Nitrogen can be achieved, with the mass emission limit in place as an interim measure.	24 months from permit issue

Table S1.4 Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
1	Prior to filling of new cream tanks (9, 10, 11 and 12)	Prior to filling of new cream tanks the operator shall submit a report to the Environment Agency for written approval, which demonstrates secondary containment has been constructed in line with the Operators proposals in application EPR/BQ1824IV/V005 and in line with CIRIA C736, or as otherwise agreed in writing with the Agency.
2	Prior to the commissioning of new effluent treatment plant tanks and equipment installed after 15/12/2023	The operator shall submit a report to the Environment Agency for written approval, which demonstrates secondary containment associated with the onsite effluent treatment plant is sufficient, considering the number and size of tanks installed and bunding capacity required. The report must demonstrate compliance with CIRIA C736. The secondary containment shall be constructed in line with the designs in the approved report.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Phosphate control equipment on DAF tank	The biological step of the effluent treatment process shall not be dosed with phosphorus containing substances.
Sulphur content of distillate fuel oil used in boilers	The sulphur content of the distillate fuel oil used in Boilers A1 and A2 shall not exceed 0.1% w/w

Schedule 3 – Emissions and monitoring

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 [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	Periodic	Every three years	BS EN15058
A2 [Point A2 on site plan in Schedule 7]	Boiler 2 [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	Periodic	Every three years	BS EN15058
A3 on site plan in Schedule 7	Emergency back-up generator	No parameters set	--	--	--	--

Note 1: Limits and/or monitoring requirements are effective from 01/01/2025.

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 Point A1 on site plan in Schedule 7, receiving water River Brue	Effluent treatment plant	Flow	1,548 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		Flow	64.5 m ³ /hour	Hourly	Continuous	MCERTS self-monitoring of effluent flow scheme
		Biochemical oxygen demand (BOD)	10 mg/l 5 mg/l [Note 6]	24-hour flow-proportional composite sample or spot sample	Monthly	BS EN 1899-1 or BS EN ISO 5815-1 or BS EN 1899-2

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
		Total suspended solids (TSS)	30 mg/l	24-hour flow-proportional composite sample or spot sample	Twice weekly [Note 2]	BS EN 872
		Ammonia (as N)	5 mg/l 1 mg/l [Note 6]	24-hour flow-proportional composite sample or spot sample	Monthly	BS EN ISO 11732 or BS 6068-2.11 ISO 7150-1 or BS 6068-2.7 ISO 5664 or BS 6068-2.10 ISO 6778
		Fats, oil and grease (FOG)	None visible	Instantaneous	Daily	Visual inspection
		pH	6.0 - 9.0	Spot sample	Daily	BS ISO 10523
		Iron	No limit set	24-hour flow-proportional composite sample or spot sample	Monthly or as otherwise agreed in writing by the Environment Agency [Note 7]	PD ISO/TS 15923-2 or BS EN ISO 15586
		Total nitrogen (TN) [Note 5]	15 kg/day [Note 3]	24-hour flow-proportional composite sample or spot sample	Daily [Note 2]	BS EN 12260 or BS EN 20236 or BS EN ISO 11905-1 or BS ISO 29441
		Total phosphorous	2 mg/l [Note 4] 1mg/l [Note 6]	24-hour flow-proportional composite sample or spot sample	Daily	BS EN ISO 15681-1 or BS EN ISO 15681-2 or
			0.3mg/l [Note 6]	Annual average	Average of daily recorded concentrations	BS EN ISO 6878
		Aluminium	4.7mg/l	24-hour flow-proportional composite sample or spot sample	Twice weekly	BS EN ISO 11885 or

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
						BS EN ISO 17294-2 or BS EN ISO 15586
		Chemical Oxygen Demand (COD)	100 mg/l [Note1]	24-hour flow-proportional composite sample or spot sample	Twice weekly [Note 2]	BS 6068-2.34 or BS ISO 15705
		Chloride	No limit set	Spot sample	Monthly	BS EN ISO 10304-1 or BS EN ISO 15682 or BS ISO 15923-1
W2 on site plan in Schedule 7, receiving water River Brue	Uncontaminated surface and roof water run-off	Fats, oil, grease and turbidity	None	Instantaneous	Daily	--
<p>Note 1: The emission limit value is 125 mg/l where the abatement efficiency is $\geq 95\%$ as an annual average.</p> <p>Note 2: If the emission levels are proven to be sufficiently stable, a lower monitoring frequency can be adopted but in any case at least once every month.</p> <p>Note 3: The mass emission limit is 22.5 kg/day where the abatement efficiency is $\geq 80\%$ as an annual average.</p> <p>Note 4: The emission limit value is 4mg/l where the abatement efficiency is $\geq 95\%$ as an annual average.</p> <p>Note 5: Mass emission limits are an interim measure until completion of future improvements as per IC13</p> <p>Note 6. Limits apply from flow exceeding 750m³ or as otherwise in agreed in writing with the Agency</p> <p>Note 7. Monitoring only required if dosing with iron used as part of the effluent treatment process.</p>						

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 (MCPD Boiler emission point)	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 water (other than sewer) Parameters as required by condition 3.5.1	W1	Yearly until 31/12/2026	1 January
		Quarterly from 01/01/2027	1 January, 1 April, 1 July & 1 October

Parameter	Units
Cheese produced	tonnes
Whey protein concentrate produced	tonnes of protein
Whey concentrate produced	tonnes of solids
Butter & other products	tonnes

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

*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
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

Table S4.4 Reporting forms		
Parameter	Reporting form	Form version number and date
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.

“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 or background concentration 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 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.

“Production capacity” means total tonnage of products, where whey protein concentrate tonnage is measured in tonnes of protein and whey concentrate is measured in tonnes of solids.

“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.

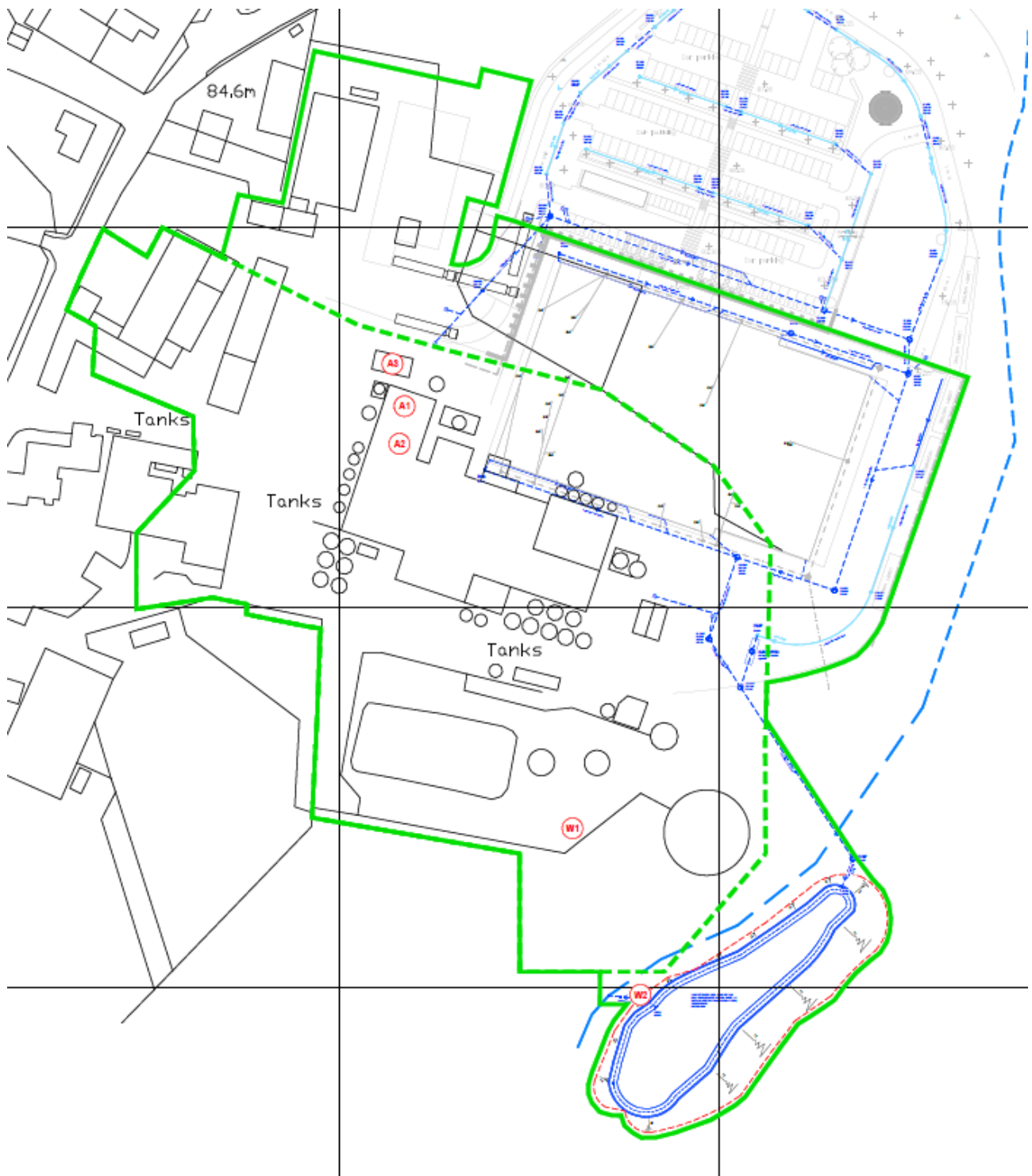
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content “year” means calendar year ending 31 December.

Schedule 7 – Site plan



END OF PERMIT

Reporting Forms

Emissions to Water Reporting Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Emissions to Water Reporting Form: version 1, 08/03/2021

Reporting of emissions to water (other than to sewer) for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method ¹	Result ²	Sample dates and times ³	Uncertainty ⁴
<i>[e.g. W1]</i>	<i>[e.g. Total suspended solids]</i>	<i>[e.g. 30 mg/l]</i>	<i>[e.g. For 95% of all measured values of periodic samples taken over one month]</i>	<i>[e.g. BS EN 872:2005]</i>	<i>[State result]</i>	<i>[State relevant dates and time periods]</i>	<i>[State uncertainty if not 95% confidence interval]</i>

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method ¹	Result ²	Sample dates and times ³	Uncertainty ⁴

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

- ¹ Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
- ² Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
- ³ For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
- ⁴ Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Water Usage Reporting Form

Permit number: [EPR/AB1234CB]

Operator: [A Company Name Limited]

Facility name: [Unit A, Anytown]

Water Usage Reporting Form: version 1, 08/03/2021

Reporting of water usage for the year [YYYY]

Water source	Water usage (m ³)	Specific water usage (m ³ /unit) ²
Mains water	<i>[insert annual usage in m³ where mains water is used]</i>	<i>[insert annual usage in m³/unit where mains water is used]</i>
Site borehole	<i>[insert annual usage in m³ where water is used from a site borehole]</i>	<i>[insert annual usage in m³/unit where water is used from a site borehole]</i>
River abstraction	<i>[insert annual usage in m³ where abstracted river water is used]</i>	<i>[insert annual usage in m³/unit where abstracted river water is used]</i>
Other – <i>[specify other water source where applicable. Add extra rows where needed]</i>	<i>[insert annual usage in m³ where applicable]</i>	<i>[insert annual usage in m³/unit where applicable]</i>
Total water usage	<i>[insert total annual water usage in m³]</i>	<i>[insert total annual water usage in m³/unit]</i>

Operator's comments

Operator's comments

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual water usage.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

Energy Usage Reporting Form

Permit number: [EPR/AB1234CB]

Operator: [A Company Name Limited]

Facility name: [Unit A, Anytown]

Energy Usage Reporting Form: version 1, 08/03/2021

Reporting of energy usage for the year [YYYY]

Energy source	Energy consumption / production (MWh)	Specific energy consumption (MWh/unit) ²
Electricity imported as delivered - source [specify source, e.g. supplied from the national grid]	<i>[insert annual consumption in MWh where electricity is imported]</i>	<i>[insert annual consumption in MWh/unit where electricity is imported]</i>
Electricity imported as primary energy 1 – conversion factor of [specify conversion factor used to convert electricity delivered to primary energy]	<i>[insert annual consumption in MWh where electricity is imported]</i>	<i>[insert annual consumption in MWh/unit where electricity is imported]</i>
Natural gas	<i>[insert annual consumption in MWh where natural gas is used]</i>	<i>[insert annual consumption in MWh/unit where natural gas is used]</i>
Gas oil – conversion factor of [specify conversion factor used to convert tonnes to MWh]	<i>[insert annual consumption in MWh where gas oil is used]</i>	<i>[insert annual consumption in MWh/unit where gas oil is used]</i>
Imported heat	<i>[insert annual consumption in MWh where heat is imported]</i>	<i>[insert annual consumption in MWh/unit where heat is imported]</i>
Other – <i>[specify other energy source and conversion factors where applicable, e.g. renewable fuel. Add extra rows where needed]</i>	<i>[insert annual consumption in MWh where applicable]</i>	<i>[insert annual consumption in MWh/unit where applicable]</i>
Electricity exported	<i>[insert annual production in MWh where electricity is exported]</i>	Not applicable
Heat exported	<i>[insert annual production in MWh where heat is exported]</i>	Not applicable

Operator's comments

--

Signed: *[Name]*

Date: *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual energy usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

¹ Multiply delivered electricity by 2.4 to convert to primary energy where the electricity is supplied from the national grid. If the electricity is supplied from another source, specify the conversion factor used. Add additional rows as needed if electricity is imported from multiple sources.

² Divide energy consumption by an appropriate unit of raw material processed or product output.