

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Dairy Partners (Cymru Wales) Limited

**The Creamery
Aberared
Newcastle Emlyn
Carmarthenshire
SA38 9DQ**

Permit number
EPR/WP3231NB

The Creamery

Permit number EPR/WP3231NB

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The creamery is operated by Dairy Partners (Cymru Wales) Limited. The company uses milk – a large proportion of which comes from dairy farms in Wales – to manufacture mozzarella blocks and string cheese products. The installation processes more than 200 tonnes of milk per day and therefore requires a Part A(1) installation permit under the 2016 Regulations.

The operator uses Best Available Techniques (BAT) to minimise environmental impacts and maximise efficiencies. The installation uses dual fuel boilers which use liquified natural gas (LNG) as their primary fuel. Light fuel oil is used as a secondary (backup) boiler fuel. The emissions from these boilers are via the existing boiler flue stack. LNG fuel is delivered by road tanker and stored in a single 22.9 tonne cryogenic storage tank on site.

In addition the installation uses an on-site biological effluent treatment plant to treat creamery effluent that is generated on site to agreed standards before final discharge to the Afon Teifi. The installation also uses a glycol based refrigeration process, incorporating a 4700-litre glycol storage tank.

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

Status log of the permit		
Description	Date	Comments
Application BN62931K	Received 08/04/05	
Response to request for information	Request dated 18/05/05	Response dated 05/07/05
Permit determined	03/11/05	
Variation Request initiated by Dansco TP3639LD	Received 15/12/05	Due date for the SPMP extended to 31/01/06
Permit transfer application received FP3434UB	10/05/07	
Permit transferred	05/07/07	
Permit Variation requested ZP3131XC	01/05/08	
Amended Variation application received YP3037XY	13/06/08	
Variation issued	03/10/08	
Agency variation determined EPR/FP3434UB/V003	22/03/13	Agency variation to implement the changes introduced by IED

Status log of the permit		
Description	Date	Comments
Application EPR/WP3231NB/T001 (full transfer of permit EPR/FP3434UB)	Duly made 23/07/13	Application to transfer the permit in full to Dansco Dairy Limited
Transfer determined EPR/WP3231NB	20/08/13	Full transfer of permit complete
Variation application EPR/WP3231NB/V002	11/06/18	Variation received
Variation application EPR/WP3231NB/V002	02/08/18	Additional Information received
Variation application EPR/WP3231NB/V002	24/08/18	Additional payment received
Variation issued EPR/WP3231NB/V002	29/01/19	Variation Issued
Variation application EPR/WP3231NB/V003	22/11/19	NRW led variation including consolidation to correct errors in permit

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/WP3231NB

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/WP3231NB/V003 authorising

Dairy Partners (Cymru Wales) Limited (“the operator”),
whose registered office is

**Brunel Way
Stroud Water BusinessPark
Stonehouse
Gloucestershire
GL10 3SX**

company registration number **08527303**
to operate an installation at

**The Creamery
Aberared
Newcastle Emlyn
Carmarthenshire
SA38 9DQ**

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

Signed	Date
Holly Noble	22/11/2019

Authorised on behalf of Natural Resources Wales

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 red on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) 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 Natural Resources Wales.
- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales 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 Natural Resources Wales.
- 2.3.2 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.3 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.
- 2.3.4 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 Natural Resources Wales.
- 2.4.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales 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 Total annual emissions from the emission points set out in schedule 3 tables S3.1 and S3.2 of a substance listed in schedule 3 table S3.3 shall not exceed the relevant limit in table S3.3.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales 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 Natural Resources Wales.
- 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 Monitoring

- 3.3.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, 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.
- 3.3.2 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.
- 3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 3.3.4 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 Natural Resources Wales.

3.4 Odour

- 3.4.1 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 Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.4.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales 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 Natural Resources Wales.

3.5 Noise and vibration

- 3.5.1 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 Natural Resources Wales, 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.
- 3.5.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales 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 Natural Resources Wales.

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 Natural Resources Wales, submit to Natural Resources Wales for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by Natural resources Wales

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 Natural Resources Wales, 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 Natural Resources Wales.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) 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 Natural Resources Wales, 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 Natural Resources Wales, 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 (a) In the event 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 Natural Resources Wales,
 - (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) in the event of a breach of any permit condition the operator must immediately—

- (i) inform Natural Resources Wales, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) in the event 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(a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 Natural Resources Wales 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) Natural Resources Wales 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 Natural Resources Wales 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, Natural Resources Wales shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.8 Part A(1)(e) Treatment and processing milk, the quantity of milk received being more than 200 tonnes per day.	Treatment and processing milk, the quantity of milk received being more than 200 tonnes per day and the production of dairy products.	From receipt of raw materials to dispatch of products and waste.
Section 5.4 Part A(1)(a)(i)	Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by biological treatment, Effluent treatment.	From receipt of effluent to release to the Afon Teifi.
Directly Associated Activities		
Directly Associated Activity	Raw materials storage	From receipt of raw materials to input to process. Excludes the storage of light fuel oil and Liquified Natural Gas.
Directly Associated Activity	Intermediate storage of partly processed materials	From receipt of materials to return to process.
Directly Associated Activity	Finished products storage and packaging	From receipt of finished block and string mozzarella products to despatch from the permitted installation.
Directly Associated Activity	Steam generation	2 x boilers (5.33MWth input each) to supply steam via distribution vessels and pipework to the product processing areas. Boilers powered by LNG and/or light fuel oil. Installed capacity less than 20MWth input.
Directly Associated Activity	Storage and handling of liquid cleaning chemicals	From receipt of cleaning chemicals to their storage and subsequent use within the permitted installation and their final disposal via the on-site effluent treatment plant.
Directly Associated Activity	Storage and handling of solid and liquid wastes	Production of wastes to despatch from the permitted installation for recovery or disposal elsewhere.
Directly Associated Activity	Glycol refrigeration plant	The whole refrigeration system including storage and handling of glycol refrigerant. Glycol is stored in one 4700-litre tank.
Directly Associated Activity	Storage and handling of Liquified Natural Gas	From receipt of Liquified Natural Gas to delivery to boilers, including tanker reception facilities, cryogenic storage tanks, regasification process and site gas distribution pipework. Storage limited to 22.9 tonnes at any one time.
Directly Associated Activity	Storage and handling of light fuel oil	From receipt of light fuel oil / gas oil to delivery to boilers, including storage tanks and fuel oil distribution pipework.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.2.23, 2.2.24, 2.2.44 to 2.2.57 and 2.10.	08/04/05
Variation TP3639LD	All.	15/12/05
Minor Operational Change	Application letter received 28/09/08.	28/09/06
Minor Operational Change	Application letter received 24/10/06 and further information submitted 14/11/06.	24/10/06 14/10/06
Variation EA/EPR/FP3434UBIV0 02	The response to questions 1.2, 2.1 to 2.12 (inclusive), 3.1 and 4.1 to 4.3 (inclusive) in Part C of the Application Form.	13/06/08
Variation EA/EPR/FP3434UBIV0 02	Documents referenced in section 3 of Part C3 of the variation application forms.	02/08/18

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	The Operator shall provide a report in writing to the Agency detailing the current monitoring method used to determine effluent flow at release point W1. The monitoring method shall be agreed in writing with the Agency.	Complete (01/02/06)
IC2	The Operator shall develop a written accident management plan having regard to the requirements set out in Section 2.8 of the Agency technical guidance note IPPC S6.10, October 2003, and shall submit the plan in writing to the Agency	Complete (01/04/06)
IC3	<p>The Operator shall submit to the Agency in writing, a programme of regular testing and inspection of all chemical and waste storage areas commencing with an initial audit to identify any necessary improvements to standards detailed in Section 2.2.5 of Food and Drink Sector Guidance Note IPPC S6.10, October 2003. The audit and programme shall include the following:</p> <ul style="list-style-type: none"> • Inspection of primary, secondary and tertiary containment measures • Inspection of coatings applied to secondary and tertiary containment • Segregation of chemicals dependant upon reactivity • Size of containment based on maximum stock levels <p>The proposed inspection regime shall be agreed with the Agency in writing and implemented throughout the installation. A summary of the audit findings shall also be submitted to the Agency for approval with improvements identified as appropriate. A timescale for implementation of any improvements identified shall be agreed with the Agency.</p>	Completed

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC4	The Operator shall undertake an assessment of subsurface structures and their potential to cause fugitive emissions to surface water and ground water. The assessment will take into account the requirements of section 2.2.5 of the Agency Guidance Note IPPC S6.10, October 2003. A written report summarising the findings shall be submitted to the Agency. A timescale for implementation of any improvements shall be approved by the Agency.	Complete (CAR 13/10/06)
IC5	The Operator shall carry out an assessment of the techniques employed to treat effluent arising from the installation considering in particular temperature, biological oxygen demand and particulates. The assessment shall consider water efficiency measures, operating procedures, techniques and monitoring having regard to the requirements set out in Sections 2.4.3 and 2.2.2 of the Agency Guidance Note IPPC S6.13, October 2003. A summary of the assessment shall be submitted to the agency with timescales for any improvements identified.	Complete (CAR 13/11/06)
IC6	The Operator shall carry out a noise management plan having regard to Agency Guidance Note IPPC H3, part 2 Noise Assessment and Control. A written report summarising the findings with proposals and timescales for any improvements shall be submitted to the Agency.	Complete (CAR 27/12/06)
IC7	The Operator shall assess the current method for effluent flow with the requirements given in the MCERTS standard 'Minimum requirements for the self-monitoring of effluent flow' version 2, Aug 2004. A written report shall be provided to the Agency detailing how this standard is to be achieved and shall include timescales for implementation.	Complete (CAR 22/01/07)
IC8	The Operator shall develop a written Site Closure Plan with regard to the requirements set out in Section 2.11 of the Agency Guidance Note IPPC S6.10, October 2003. Upon completion of the plan a summary of the document shall be submitted to the Agency.	Completed (CAR 21/11/07)
IC9	The Operator shall review the accident management plan submitted in line with Improvement Condition 2. The review shall pay particular regard to the implications of the changes to the Installation detailed in Variation ENEPR/FP3434UBN002, and shall include, but not be limited to, an assessment of the protection of the aquatic environment through the accident procedures relating to the effluent treatment plant.	Completed (CAR 31/12/08)
IC10	The Operator shall monitor the temperature of the effluent discharge on a weekly basis for a period of twelve months starting from the date of issue of Variation EA/EPRJFP3434UB/V002. A written report shall be provided to the Agency detailing the results of this monitoring, assessing compliance with Permit limits and assessing any effects the changes to the installation have had on the discharge temperature.	Completed (CAR 14/01/10)
IC11	<p>The Operator shall investigate methods of controlling the rising sludge problem in the final settlement tanks of the effluent treatment plant. A written report shall be submitted to the Agency and will contain, but not be limited to:</p> <ul style="list-style-type: none"> A description of the methods investigated An assessment of their appropriateness and effectiveness A cost benefit analysis of each method, including a justification for implementing, or not, each specific method <p>An implementation plan, including timescales, for the most appropriate method(s).</p>	Completed

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC12	<p>The operator shall review the refuelling of the on-site Liquified Natural Gas (LNG) terminal against Best Available Techniques (BAT) for noise abatement, taking into account impact on nearby residential receptors. This review shall include:</p> <ul style="list-style-type: none"> • Measurement of sound during LNG refuelling operations in accordance with the recognised BS4142:2014 noise assessment standard; • Consideration of the noise control techniques and technologies including but not limited to those outlined in Part 2 of the published H3 Noise Assessment and Control horizontal guidance for industrial installations; and • Reference to the World Health Organisation guidelines for community noise. <p>Upon completion of the work, a written report shall be submitted to Natural Resources Wales. If noise levels likely to cause complaints at nearby residential receptors are detected, the report shall include an assessment of the most suitable abatement techniques, an estimate of the cost and a proposed timetable for their installation.</p>	31 December 2019
IC13	<p>The operator shall review the permitted activities to identify whether there are suitable opportunities to improve the energy efficiency of plant and equipment associated with these activities. This review must include an energy efficiency assessment for the facility's refrigeration (chilling) and cooling system.</p> <p>The outcome of this review shall be recorded and submitted in writing to Natural Resources Wales.</p> <p>Any appropriate measures to improve energy efficiency which are identified within the review shall be implemented in accordance with the requirements outlined in permit condition 1.2.1.</p> <p>Energy efficiency shall be reviewed and recorded at least every four years thereafter in accordance with permit condition 1.2.1.</p>	30 September 2020

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
None set	None Set

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 as shown on site plan in Schedule 7	Boiler flue gas stack	NO ₂	No limit set	None	Annually	BS EN 14792
NGR: SN 31572 40139						

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 (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
W1 as shown on site plan in Schedule 7 to Afon Teifi W1: NGR: SN 31510 40243	Effluent Treatment Plant, treated effluent	Maximum daily discharge volume	1,050 m ³ per day	Total daily volume	Continuous flow monitoring	MCERTS flow meter
Receiving water Afon Teifi at NGR: SN31356 40462						
Monitoring location: Flow monitoring meter at NGR: SN 31538 40242						
W1 as shown on site plan in Schedule 7 to Afon Teifi W1: NGR: SN 31510 40243		Chemical Oxygen Demand	120 mg/L	Flow proportional daily composite	Daily	BS 6068-2
Receiving water Afon Teifi at NGR: SN 31356 40462		Total suspended solids	50 mg/L	Flow proportional daily composite	Monthly	BS EN 872:2005
Monitoring location: M1 as shown on site plan in Schedule 7 M1: NGR: SN 31611 40208		Ammonia as N	22 mg/L	Spot sample	Monthly	BS EN 11732:2005
		Temperature	21 °C	Instantaneous	Monthly	Standard Temperature Sensor

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 (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
		Nitrite as N	3 mg/L	Spot sample	Monthly	BS EN ISO 13395
		Mercury	0.5 µg/L	Compliance based on mass balance calculation ¹	Annually	BS EN 13211 BS EN 14385
		Cadmium	0.01 mg/L	Compliance based on mass balance calculation ¹	Annually	BS EN 14385
W2 as shown on site plan in Schedule 7 to Afon Arad W2: NGR: SN 31598 40172	Uncontaminated surface water run-off from clean yards and roofs	Visible oil and grease	None visible	Instantaneous	Monthly	Visual
W3 as shown on site plan in Schedule 7 to Afon Arad W3: NGR: SN 31596 40158	Uncontaminated surface water run-off from clean yards and roofs	Visible oil and grease	None visible	Instantaneous	Monthly	Visual

¹ See Schedule 6 (Interpretation) for explanation of how this should be derived

Table S3.3 Annual emission limits

Substance	Limit – g
Mercury	50g Compliance based on mass balance calculation
Cadmium	50g Compliance based on mass balance calculation

Schedule 4 - Reporting

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

Table S4.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.6.1	A1	Every 12 months	1 January
Emissions to water Parameters as required by condition 3.6.1	W1	Every 3 months	1 January

Table S4.2: Annual production/treatment

Parameter	Units
Milk imported	Tonnes
(Mozzarella) Cheese produced	Tonnes

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	Litres
Energy usage	Annually	KWh
Waste disposal and/or recovery	Annually	Tonnes

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by Natural Resources Wales	22/11/2019
Water	Form water 1 or other form as agreed in writing by Natural Resources Wales	22/11/2019
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	22/11/2019
Energy usage	Form energy usage 1 or other form as agreed in writing by Natural Resources Wales	22/11/2019
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	22/11/2019

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 activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment	
To be notified Immediately	
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 permit condition	
To be notified immediately	
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) In the event 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:	
To be notified immediately	
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 Natural Resources Wales under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

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

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit..

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

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

“NGR” means National Grid Reference.

“Pests” means Birds, Vermin and Insects.

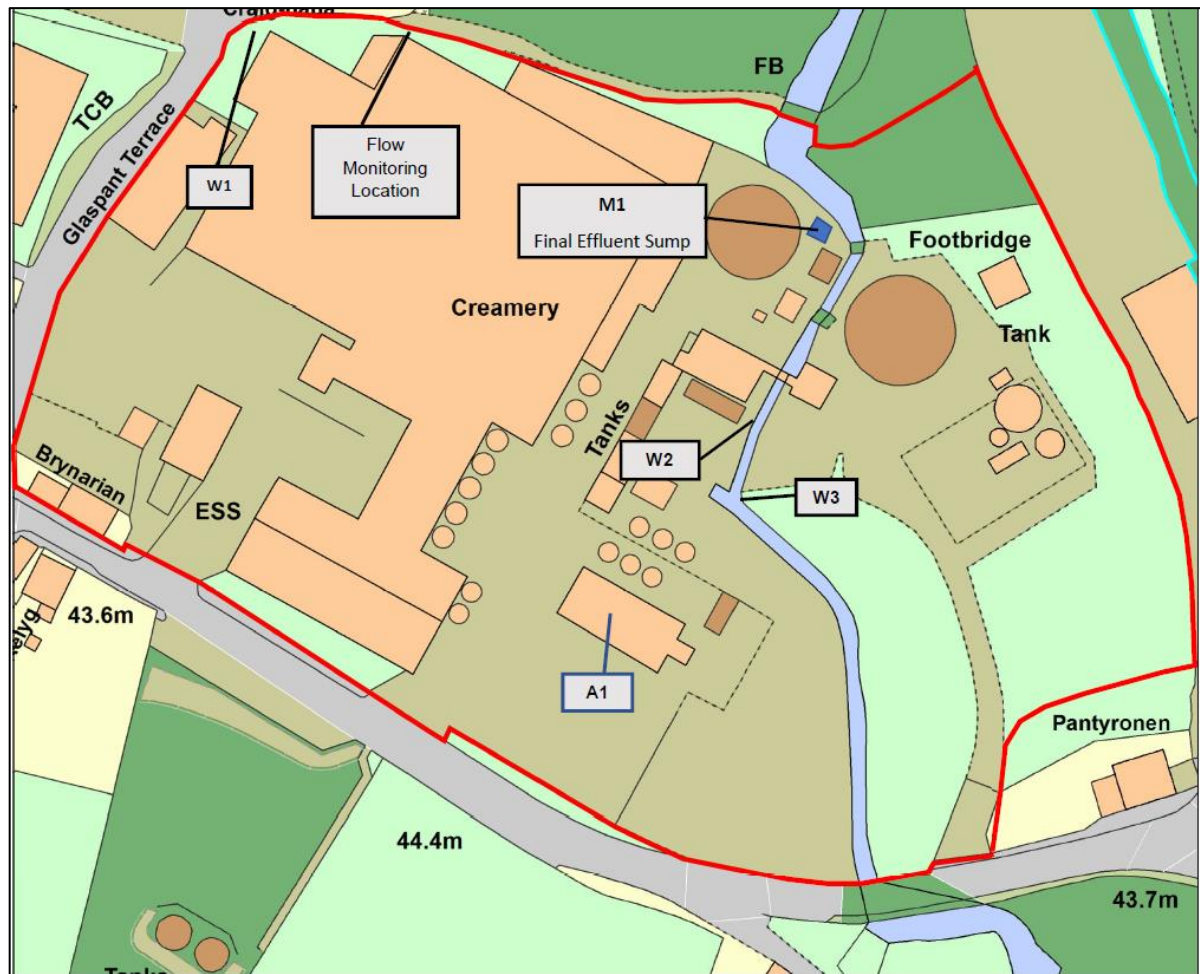
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- (a) 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
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 - Site plan

Site plan – not to scale



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END OF PERMIT

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Limited

Facility: The Creamery, Aberarad.

Form Number: Air 1 / 22/11/2019

Reporting of emissions to air for the period from DD/MM/YY to DD/MM/YY

Emission Point	Substance / Parameter	Emission		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value	Reference Period				
A1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No Limit	Periodic (average over hour)				

[1] The result given is 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, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Limited

Facility: The Creamery, Aberarad.

Form Number: Water 1 / 22/11/2019

Reporting of emissions to water (other than to sewer) and land for the period from to

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
W1	Maximum daily volume	1,050 m ³ per day		Daily				
W1	Chemical Oxygen Demand	120 mg/L		Flow proportional daily composite				
W1	Total suspended solids	50 mg/L		Flow proportional daily composite				
W1	Ammonia as N	22 mg/L		Spot sample				
W1	Temperature	21 °C		Instantaneous				
W1	Nitrite (as N)	3 mg/L		Spot sample				
W1	Mercury	0.5 µg/L 50 g/year		Compliance based on mass balance calculation				
W1	Cadmium	0.01 mg/L 50 g/year		Compliance based on mass balance calculation				

- [5] The result given is 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, the result is given as the 'minimum – maximum' measured values.
- [6] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [7] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [8] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Limited

Facility: The Creamery, Aberarad.

Form Number: Water Usage1 / 22/11/2019

Reporting of Water Usage for the year:

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
TOTAL WATER USAGE		

Operator's comments :

Signed
(authorised to sign as representative of Operator)

Date.....

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Limited

Facility: The Creamery, Aberarad.

Form Number: Energy usage 1 / 22/11/2019

Reporting of Energy Usage for the year:

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Liquified Natural Gas	MWh		
Light Fuel Oil / Gas Oil	tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Limited

Facility: The Creamery, Aberared.

Form Number: Performance 1 / 22/11/2019

Reporting of other performance indicators for the period to

Parameter	Quantity	Units
Total milk used		tonnes
Total Cheese produced		tonnes
Total waste sent for recovery		tonnes
Total waste sent for disposal		tonnes

Operator's comments :

Signed
(Authorised to sign as representative of Operator)

Date.....