

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Dairy Partners (Cymru Wales) Limited

**The Creamery
Aberarad
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 in Aberarad manufactures mozzarella from milk, a large proportion of which comes from local dairy farms in Wales. The installation processes more than 200 tonnes of milk received per day, as described in Section 6.8 Part A(1)(e) of Environmental Permitting Regulations (EPR) 2016. The installation also treats process effluent in an on-site effluent treatment plant (ETP) as described in Section 5.4 Part A(1)(a)(i) of EPR.

The installation has two dual fuel boilers which use liquified natural gas (LNG) as their primary fuel and light fuel oil as a back-up fuel. LNG is delivered by road tanker to the site and stored in a single 22.9 tonne cryogenic storage tank on site. The installation uses a glycol refrigeration process, incorporating a 4700 litre glycol storage tank.

There is one emission point to air from combustion sources, two boiler flues discharge through one combined stack. There is one emission point to surface water of treated process effluent from the ETP. The treated effluent is discharged to the Afon Teifi / River Teifi from the installation via a pipeline, monitoring of the treated effluent is completed prior to entering the pipeline. There are two emission points to surface water of uncontaminated surface run-off to the Afon Arad.

The installation is located south east of Newcastle Emlyn, the surrounding areas are predominantly rural farmland and residential the closest residential receptors are located adjacent to the eastern side of the installation boundary. The Afon Arad runs through the eastern area of the installation from south to north.

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	
Permit variation requested 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 initiated variation determined EPR/FP3434UB/V003	22/03/13	Agency initiated variation to implement the changes introduced by IED
Transfer 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/T001	20/08/13	Full transfer of permit complete
Variation application EPR/WP3231NB/V002	11/06/18	Variation received
Additional information received	02/08/18	
Additional payment received	24/08/18	
Variation determined EPR/WP3231NB/V002	29/01/19	Varied permit issued to operator
NRW-initiated variation and consolidation determined EPR/WP3231NB/V003	22/11/19	NRW-initiated variation including consolidation to correct errors in the permit
Variation application (PAN-010733)	Duly made 16/11/20	Variation to upgrade effluent treatment plant
Variation refused (PAN-010733)	28/06/21	Variation refused
Variation application EPR/WP3231NB/V004 (PAN-017188)	Duly made 19/08/22	Variation to upgrade effluent treatment plant
Additional information requested	29/09/22	Schedule 5 Notice sent requesting further information regarding the effluent treatment plant's containment system
Additional information received	14/11/22	Schedule 5 Notice response
Variation determined EPR/WP3231NB/V004	09/03/23	Variation and consolidated permit issued

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/V004 authorising

Dairy Partners (Cymru Wales) Limited (“the operator”),

whose registered office is

Dairy Partners

Oldends Lane

Oldends

Stonehouse

England

GL10 3RL

company registration number **08527303**

to operate an installation at

The Creamery

Aberarad

Newcastle Emlyn

Carmarthenshire

SA38 9DQ

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

Signed

Date

Holly Noble	09/03/2023
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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 Total annual emissions from the emission points set out in schedule 3 table S3.2 of a substance listed in schedule 3 table S3.3 shall not exceed the relevant limit in table S3.3.
- 3.1.4 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 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 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 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.
- 3.3.2 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.

3.4 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 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.
- 3.4.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to 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.

3.5 Monitoring

- 3.5.1 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
- 3.5.2 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 Natural Resources Wales.
- 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 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.
- In any other case:
- (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
- (a) 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 reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	S6.8 Part A(1)(e) – Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis).	Treatment and processing on milk for the production of dairy products (mozzarella).	From receipt of raw materials to dispatch of products and wastes.
A2	S5.4 Part A(1)(a)(i) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities (i) biological treatment	Treatment of process effluent in the effluent treatment plant.	From receipt of process effluent to final discharge to Afon Teifi and dispatch of wastes.
Directly Associated Activity			
A3	Directly associated activity	Raw materials storage	From receipt of raw materials to input to process. Excludes the storage of light fuel oil and Liquefied Natural Gas
A4	Directly associated activity	Intermediate storage of partly processed materials	From receipt of materials to return to process.
A5	Directly associated activity	Finished products storage and packaging	From receipt of finished mozzarella products to despatch from the permitted installation
A6	Directly associated activity	Steam generation: 2x 5.33 MWth input dual fuel boilers, fuelled on LNG or light fuel oil. Used to supply steam via distribution vessels and pipework to product processing areas.	From receipt of fuel to dispatch of combustion products to air.
A7	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.
A8	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.

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A9	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
A10	Directly associated activity	Storage and handling of Liquefied Natural Gas	From receipt of Liquefied 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
A11	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 and 14/10/06
Variation EA/EPR/FP3434UBIV002	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/FP3434UBIV002	Documents referenced in section 3 of Part C3 of the variation application forms.	02/08/18
Variation EPR/WP3231NB/V004	EMS-002 Environmental Accident Management Plan	In line with Improvement program requirement IC15
	Dairy Partners Odour Management Plan J10-12625A-10 D1 12072022	22/07/22
	Storm and Flood Management Procedure 12072022	
	Risk Management measures detailed in 'Document 2 ERA WWTP 16.02.2022'	
	Noise Management Plan - ETP 08082022	In line with Improvement program requirement IC14

Table S1.2 Operating techniques

Description	Parts	Date Received
	'New Secondary Containment Lagoon Risk Assessment 11112022'	14/11/22
	<p>Secondary containment system to be constructed in line with email '1498 NRW Schedule 5 PAN-017188 - New Secondary Containment Lagoon DP Site Newcastle Emlyn - Email 1 of 4' – responses to questions in Schedule 5 Notice and attachments including:</p> <ul style="list-style-type: none"> HCE-1498-101-R02 - Secondary Containment Lagoon GA Plan HCE-1498-109-R01 Schematic Site Layout 	
	Response to queries regarding the impermeable liner and existing concrete slab in email '1498: the Creamery, Newcastle Emlyn – PAN-017188 – Environment permit variation application'.	27/01/23

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>	Complete
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)

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
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.	Complete (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.	Complete (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.	Complete (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 • An implementation plan, including timescales, for the most appropriate method(s). 	Complete
IC12	<p>The operator shall review the refuelling of the on-site Liquefied 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 outlined in Part 3 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>	Complete (CAR 14/02/20)

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
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
IC14	<p>The Operator shall update its existing Noise Management Plan to incorporate all the activities now covered by this permit in accordance with BAT 1 and BAT 13 of the BAT conclusions for Food Drink and Milk, under Directive 2010/75/EU of the European Parliament and of the Council. The Operator shall submit the updated Environment Management System to Natural Resources Wales for approval by the date specified</p>	09/09/23
IC15	<p>The Operator shall update its existing Accident Management Plan to incorporate all the activities now covered by this permit in accordance with BAT 1 of the BAT conclusions for Food Drink and Milk, under Directive 2010/75/EU of the European Parliament and of the Council. The Operator shall submit the updated Environment Management System to Natural Resources Wales for approval by the date specified.</p>	09/09/23
IC16	<p>The Operator shall submit a written report to Natural Resources Wales for written approval. The report shall review the surfacing underlying and surrounding the effluent treatment plant's two 'out of specification' tanks. The report shall consider surface thickness, strength, reinforcement, materials of construction and permeability of the surfacing and if the surfacing will prevent pollution to surface water and groundwater in the event of a leak, spill or catastrophic failure of the tanks. The report should reference the CIRIA C736 guidance. If the assessment identifies a risk to surface water and groundwater the report should outline improvements required and an implementation plan including timescales. The Operator shall submit the report to Natural Resources Wales for approval by the date specified.</p> <p>Any improvements required shall be implemented in accordance with the implementation timetable approved in writing by Natural Resources Wales.</p>	09/09/23

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
None specified	None specified

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 as shown on site plan in Schedule 7]	Boiler flue gas stack	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	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 [Point W1 as shown on site plan in Schedule 7 to Afon Teifi] W1 NGR: SN 31510 40243	Effluent Treatment plant	Maximum daily discharge volume	900 m ³ /day	24-hour total	Continuous	MCERTS flow meter
Receiving water Afon Teifi at NGR: SN 31356 40462						
Monitoring location: Flow monitoring meter at NGR: SN 31538 40242						
W1 [Point W1 as shown on site plan in Schedule 7 to Afon Teifi] W1 NGR: SN 31510 40243	Effluent Treatment Plant	Biological oxygen demand (BOD)	20 mg/L	24-hour flow proportional composite	Monthly	BS EN 1899-1
		Chemical oxygen demand (COD)	110 mg/L	24-hour flow proportional composite	Daily	BS 6068-2.34
		Total suspended solids (TSS)	30 mg/L	24-hour flow proportional composite	Daily	BS EN 872
Receiving water Afon Teifi at NGR: SN 31356 40462		Ammoniacal nitrogen (expressed as N)	10 mg/L	Instantaneous (spot sample)	Monthly	BS EN ISO 11732
		Nitrite (expressed as N)	1.0 mg/L	Instantaneous (spot sample)	Monthly	BS EN ISO 13395

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
Monitoring location: [Point M1 as shown on site plan in Schedule 7] M1 NGR: SN 31611 40208		Total nitrogen	20 mg/L	24-hour flow proportional composite	Daily	EN 12260 or EN ISO 11905-1
		Total phosphorus	1.0 mg/L	24-hour flow proportional composite	Daily	EN ISO 6878 or EN ISO 15681-1 or EN ISO 15681-2 or EN ISO 11885
		Total aluminium as Al	1.0 mg/L	Instantaneous (spot sample)	Weekly	BS EN ISO 11885
		Temperature	21 °C	Instantaneous	Continuous	Standard Thermocouple Sensor
		pH	Minimum 6, Maximum 9	Instantaneous	Continuous	BS EN 10523
		Mercury and its compounds, expressed as mercury (Total Hg)	0.5 µg/L	Compliance based on mass balance calculation ^{Note 1}	Annually	BS EN 12846
		Cadmium and its compounds, expressed as cadmium (Total Cd)	0.525 µg/L	Compliance based on mass balance calculation ^{Note 1}	Annually	BS EN ISO 5961
		Chloride (Cl ⁻)	No limit set	24-hour flow proportional composite	Monthly	EN ISO 10304-1 or EN ISO 15682
W2 [Point 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 (visual examination)	Monthly	Visual check
W3 [Point W2 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 (visual examination)	Monthly	Visual check

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

Table S3.3 Annual limits

Substance	Medium	Limit (including unit)
Mercury	Water	50 g compliance based on mass balance calculation.
Cadmium	Water	50 g 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 3.5.1.	A1	Every 12 months	1 January
Emissions to water Parameters as required by condition 3.5.1	W1	Every 3 months	1 January, 1 April, 1 July, 1 October

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	09/03/2023
Water	Form water 1 or other form as agreed in writing by Natural Resources Wales	09/03/2023
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	09/03/2023
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	09/03/2023
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	09/03/2023

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	EPR/WP3231NB
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 within 24 hours	
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 within 24 hours unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) 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 within 24 hours	
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.

“disposal” or “D” means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

“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. *“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.

“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.

“recovery” or “R” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the ‘List of Wastes Decision’) and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

“year” means calendar year ending 31 December.

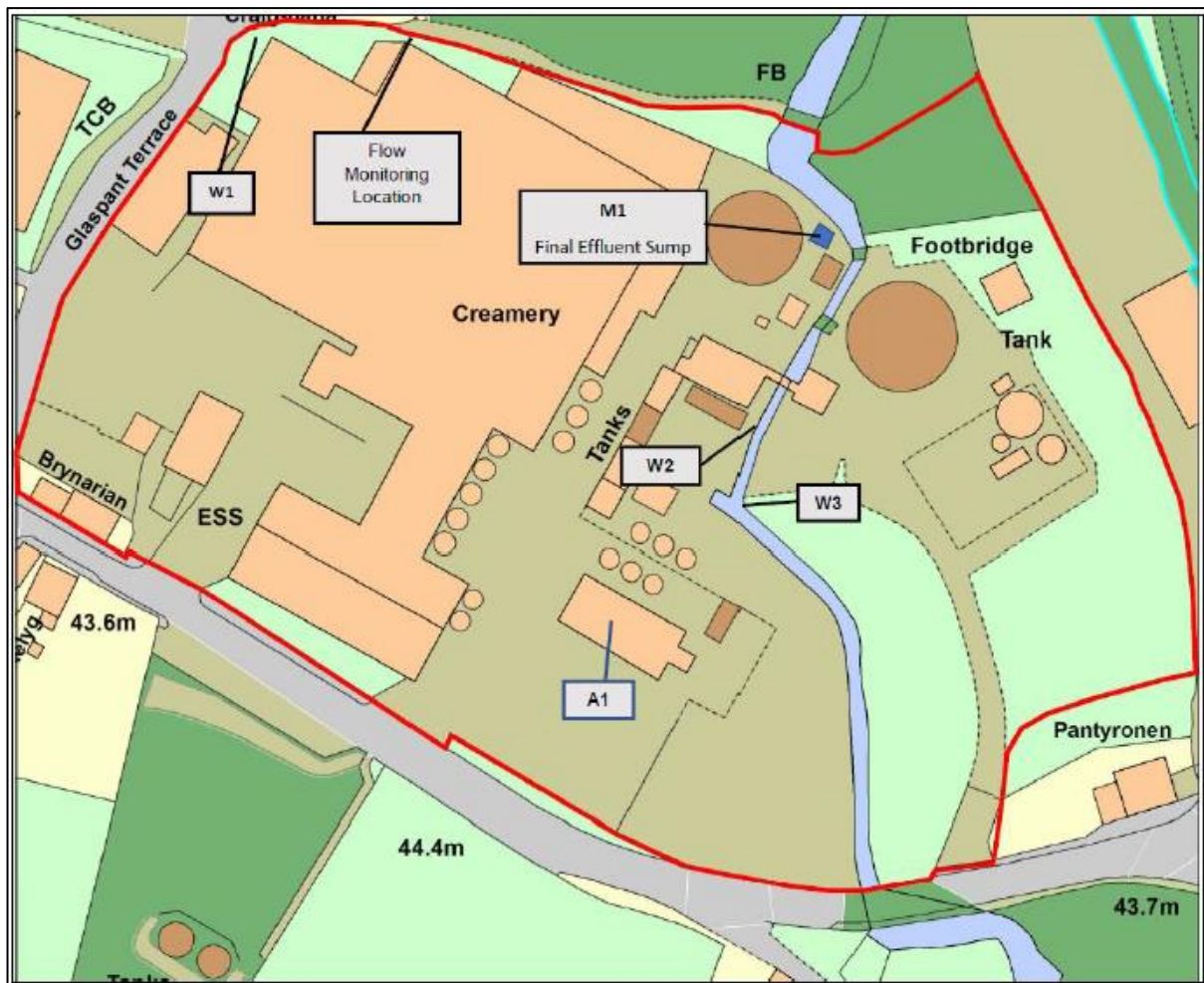
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273 K, 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 273 K 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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