

Compliance Assessment Report CAR_NRW0052691

Permit being assessed: BV8024IW.

For: Llangefni Dairy, **held by:** Leprino Foods (formerly Glanbia Cheese)

At: Glan Hwfa Road, Llangefni, Anglesey, LL77 7TT.

Type of assessment: Other,

Reason: Other.

On: 12/08/2026 between 10:00 and 13:45.

Parts of permit assessed: 1. Management, 2. Operations, 3. Emissions and Monitoring.

NRW Lead Officer: Anthony Roberts.

Report sent to: Stephen Williams, Environmental Specialist, on 17/08/2026.

1. Summary of our findings (full details in section 4)

Part of permitted activity assessed (compliance criteria)	Assessment result	Permit condition
IR1A - Installations - Management - General Management	Assessed (A)	
IR1C - Installations - Management - Energy Efficiency	Assessed (A)	
IR2C - Installations - Operations - Operating techniques	Assessed (A)	
IR2D - Installations - Operations - Technical requirements	Assessed (A)	
IR2A - Installations - Operations - Permitted activities	Assessed (A)	

Result types are explained in more detail in the 'Important Information' section below.

Total non-compliances recorded	Total non-compliance score
0	0

How we use the non-compliance score to calculate your annual fee is explained in the 'Important Information' section below.

2. What action is required?

No action required.

3. What will happen next?

Any non-compliance we have identified and recorded on this form is an offence. It can result in criminal prosecution and/or suspension or revocation of your permit.

At this time, we do not intend to take any further action.

This statement does not stop us from taking additional enforcement action if further relevant information comes to light or offences continue.

4. Details of our assessment

NRW/Leprino Site Development and Boiler Replacement - Site Meeting

Medium Combustion Plant Directive-New Boiler Installation

General Sustainability Programme and Climate Change Risk Assessment and Future Adaptation Plan

Date: 12 August 2026 @ 10:00hrs

Attendees

Leprino:

Geraint Evans - Operations Manager
Liam Williams - Engineering Manager
Barri Jones - Production and Environmental Manager
Ioan Jones - Project Engineer
Simon Moss - Purchasing category Manager
Stephen Williams – Environmental Specialist

NRW:

Tony Roberts: Senior Officer Industry and Waste

Introduction

The Site Operations Manager, (Geraint Evans) and Environmental Specialist (Stephen Williams), gave an overview of the site and the general performance in the group, including the closure of the new build facility in southern Ireland and the repercussions for the Leprino Llangefni site. The site manager then handed discussions over to Stephen Williams the site Environment co-ordinator.

Water Scarcity and Milk Supply

Milk has been over produced in the last few years, causing a milk glut resulting in very low milk

prices in April last year. But the current dry, hot weather has caused a problem with grazing availability and meant farmers are breaking into winter feed stocks early. Milk supply has not dipped at the moment but may happen by Christmas. Usage restrictions in future for water both on farm and the at the plant was discussed and how this issue should be included in the forthcoming Climate Change Adaptation Plan.

Ongoing Site Work And Capex

An automation upgrade for phase two changes to the SCADA system has begun, there has been some downtime to accommodate the upgrade.

There is an upgrade to the system approximately every 5/6 years at significant cost. The plant has moved from Siemens to Ignition, a company allowing an automated history of all plant process data which can look back over 2 years at data and trends. This gives huge historical control and improved root cause analysis. This fits in with sustainability and efficiency in energy, water and consumables. Vibration analysis allows the engineering team to assess in real time what might be about to fail or run less efficiently, allowing early intervention.

Detailed analysis of process efficiency data, will enable engineers and operatives to have real time control over the parameters, such as high COD, into the effluent plant and the system will notify environment and supporting staff immediately.

Leprino is splitting PLC'S from 4 to 8, which allows more maintenance flexibility. This is where the future lies, in terms of improving performance and efficiency. AI. and machine learning will be increasingly important in terms of improving efficiency in monitoring, providing a form of continuous environmental and performance monitoring (CEMS) across the whole site. This will improve environmental performance.

New Boilers and Energy Efficiency

The last ESOS assessment – (Energy Savings Opportunity Scheme is for industry sectors that that consume over a certain amount of energy and have over 150 employees), showed that all heating and cooling demand should be on one data sheet to assess full energy usage parameters. Metering all boiler demands to improve efficiency, highlights any increase or change in energy usage. The boilers are currently running at about 85% efficiency, the new boiler upgrade will operate at approximately 94% efficiency and the condensate will be recycled to the hot water system. This will also improve emissions to air.

New boilers will use less energy and the new system will allow full standby capability as they are both rated to cover all of the power needs of the site. The current boilers are not equal in size and the standby boiler does not have the capacity to cover all power needs on site, thereby potentially compromising operations, should there be a main boiler outage.

Permit Variation Application for New MCP

A permit variation application has been submitted to, and acknowledged by NRW Installations Permitting Team. NRW permitting will inform Leprino, Llangefni when/if the permit is duly made.

The proposal is to replace the existing boilers which have a combined net rated thermal input of

12.9 MW with two new boilers which will have a combined thermal input of 19 MW (2 identical units, output 2 x 12,000kg/h). This will give a total installed capacity of 19MwT with one boiler acting as duty and one as standby.

The new boiler installation is a substantial CAPEX commitment and Leprino are running the installation in parallel with the permitting process. Leprino have emphasised that they will have to run the facility using the new boilers once they are installed and have asked NRW to confirm if there is a delay in issuing the permit, whether they could run the plant from the new boilers which will have lower emissions and be more efficient. Inability to do this would compromise operations and potentially halt cheese production at the plant.

Leprino emphasised that this is the biggest project they have undertaken in a number of years and it is essential for the business to survive. Mobile boiler hire is not possible and it would cost millions of pounds, so it is essential this issue is clarified at the earliest opportunity.

The timeline for the boiler replacement is 9 to ten months from now, therefore they will need a permit in place or permission to operate from the date of commissioning.

Refrigeration Risk Assessment

Should the site refrigeration system fail and a temporary portable refrigeration system is commissioned then this would require a risk assessment for the positioning of the system in a suitable place on site. This would require reference to CIRIA 736 for containment and an ammonia spill/emission risk assessment to be in place. Leprino will develop a document to be utilised in such an event that will form part of their EMS.

Replacement Vat Project

Processing vats are now over 30 years old and in some cases have had multiple repairs and welds to retain functionality. The use of specialist welds and repairs makes CIP more difficult. These vats are key to the cheese making process. Leprino propose to change all 4 existing vats to a Tetrapak model. The heating process will be more efficient, replacing direct steam injection with a water jacket system. This ensures higher yield due to improved curd cutting, retaining moisture in the cheese increases the yield/thousand litres of milk volume per unit of cheese. The CAPEX for this upgrade will be substantial and represents an investment by the company to improve production efficiency which in turn will improve environmental performance.

The site is operating at maximum production rates so there is a need to improve efficiency. The vat replacement programme will ensure CIP is quicker so there will be less downtime which will result in an increased throughput capacity which will allow more efficient cheese production. Leprino have adopted the Lean 6 sigma way of working (adopted from Toyota working model), which is a team-focused business model that combines lean principles (focused on removing waste and improving speed) with Six Sigma tools (focused on reducing defects and process variation). Its goal is to boost efficiency, lower costs, and enhance customer satisfaction.

Whey Processing Upgrades

Whey process upgrades are ongoing. There are many new uses for protein products opening up new

markets. Whey is now a lot more attractive as a product so the company is investing in new processing technologies to improve and refine whey products. Any new production facilities will require new bunding and foul drainage to be incorporated into plans which NRW will be consulted on. Developments will need to reference the construction industry guidance document; CIRIA 736. Any additional 'Directly Associated Activities' will need to be added to the permit.

Final Effluent Disposal

The disposal of effluent to foul sewer represents considerable cost to the facility. Options include a wetland treatment strategy which would incorporate SMNR principles. The legal basis for the Sustainable Management of Natural Resources (SMNR) by Natural Resources Wales (NRW) is set out in the Environment Wales Act 2016. and the Well-being of Future Generations (Wales) Act 2015.

Creation of a multiple wetland and multiple ecosystem services stacked mosaic habitat would result in multiple benefits for the site, the environment and would meet national and international environmental aims and objectives.

If you have any queries about this report, or to discuss completion of any actions, please contact the NRW Officer named above.

Important information

Legal status of this report

Your permit is issued to you under the Environmental Permitting Regulations. You have a responsibility to comply with the conditions of your permit and prevent pollution/harm of the environment. You must also ensure that you comply with any other relevant legislation that may apply to your site's operations.

This report explains the findings of our assessment and any action you are required to take. We categorise non-compliance using our guidance for assessing non-compliance at regulated sites.

When we find potential non-compliance/s we will normally give you advice on how to maintain compliance.

To correct non-compliance, we may:

- require you to take specific actions
- issue a notice
- review the conditions of your permit.

Any advice and guidance we give will be without prejudice to any other enforcement response that we consider may be required.

Assessment results and non-compliance categories (used in section 1):

Assessment result	Description
Assessed (A)	Assessed or assessed in part, no evidence of non-compliance found
Action only (X)	Action required for the permit condition assessed to avoid non-compliance. No non-compliance scored at this time
Ongoing (O)	Ongoing non-compliance, not scored

Non-compliance category	Description	Score
C1 Major	Potential to have a major, serious, persistent and/or extensive impact or effect on the environment, people and/or property	60
C2 Significant	Potential to have a significant impact or effect on the environment, people and/or property	31
C3 Minor	Potential to have a minor or minimal impact or effect on the environment, people and/or property	4
C4 No environmental impact	Non-compliance at a regulated site that cannot foreseeably have any impact on the environment, people and/or property	0.1

How we use assessment scores

The number and severity of non-compliances recorded in a year will affect your annual subsistence fee the following year. A non-compliance factor is added to your site's Operator Performance Risk Appraisal (OPRA) score when we calculate your fee to reflect the additional resource we use to assess permit compliance.

If your assessment result in Section 1 is suspended, what does this mean?

In line with our guidance, we may suspend scores for up to six months to allow time for remedial action to be taken. Suspended scores will be re-instated if the action is not completed.

Full list of Industry compliance criteria (used in section 1 and 2):**1. Management**

- IR1A – General management
- IR1B – Finance (only applicable to Landfill)
- IR1C – Energy efficiency
- IR1D - Efficient use of raw materials
- IR1E - Avoidance, recovery and disposal of wastes produced by the activities
- IR1F - Multiple operator installations

2. Operations

- IR2A – Permitted activities
- IR2B – The site
- IR2C – Operating techniques
- IR2D – Technical requirements
- IR2E – Improvement programme
- IR2F – Pre-operational conditions
- IR2G – Landfill engineering (only applicable to Landfill)
- IR2H – Waste acceptance (only applicable to Landfill)
- IR2I – Leachate levels (only applicable to Landfill)
- IR2J – Closure and aftercare (only applicable to Landfill)
- IR2K – Landfill gas management (only applicable to Landfill)

3. Emission and Monitoring

- IR3A(1) – Emissions to water
- IR3A(2) – Emissions to air
- IR3A(3) – Emissions to land
- IR3B – Emissions of substances not controlled by emission limits
- IR3C – Odour
- IR3D – Noise and vibration
- IR3E – Monitoring
- IR3F – Pests
- IR3G – Air quality management plans
- IR3H – Monitoring for the purposes of the Industrial Emissions Directive (this heading includes Large Combustion Plants)
- IR3I – Fire

4. Information

- IR4A – Records
- IR4B – Reporting
- IR4C – Notification

Enforcement response

Any non-compliance with a permit condition is an offence and we may take legal action against you. Action we take can include prosecution, serving a notice on you and/or suspension or revocation of your permit. See our Enforcement and Sanctions Guidance for further information.

Data protection notice

You should make sure that anyone named in this report knows that the information it contains will be processed by Natural Resources Wales to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s).

We may also use and/or disclose the report in connection with:

- offering or providing you with our literature or services relating to environmental matters
- consulting with the public, public bodies and other organisations (e.g. Health and Safety Executive, local authorities) on environmental issues
- carrying out statistical analysis, research and development on environmental issues
- providing public register information to enquirers
- investigating possible breaches of environmental law
- assessing customer service satisfaction and improving our service
- Freedom of Information Act or Environmental Information Regulations requests.

We may also pass it on to our agents or representatives to do these things on our behalf.

Disclosure of information – this report will be available to view on-line

If you think this report contains commercially confidential information that should not be placed on our public register, you must contact your local Natural Resources Wales office within **fifteen working days** of receiving this report, using the contact details in the accompanying email or letter. You must give a full explanation of why it should not be added to our public register, including specifying which information is commercially confidential. We will assess your request and respond to you within twenty working days to let you know if we agree to your request.

Disputing the Content of this Compliance Assessment Report Form

If you disagree with the content of this Compliance Assessment Report form, you should submit your concerns, in writing, to the regulating officer who issued it within **15 working days** of its issue. This will be treated as a **Stage 1 review**.

If you are not satisfied with the outcome of the stage 1 review, you may request a **Stage 2 appeal**. This request must be submitted **within 21 working days** of receiving the response from the stage 1 review.

Further details on our review and appeal process are available at: [Natural Resources Wales / Appeal a regulatory decision from Natural Resources Wales](#)

Concerns Not Related to the Content of this Compliance Assessment Report Form

If your concerns do not relate to the content of the Compliance Assessment Report form, you should first attempt to resolve the issue with the regulating officer or their line manager.

If the issue remains unresolved, please contact our **Customer Contact Team**:

- **Telephone:** 0300 065 3000 (Monday to Friday, 09:00–17:00)
- **Email:** enquiries@naturalresourceswales.gov.uk

They will provide details on how to escalate your concerns through our **Complaints and Commendations procedure**.

If you are dissatisfied with our response, you may contact the **Public Services Ombudsman for Wales**:

- **Telephone:** 0300 790 0203
- **Email:** ask@ombudsman.wales

Welsh Language Standards

We are committed to establishing Natural Resources Wales as a naturally bilingual organisation. We will provide compliance reports in your preferred language.