

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Ltd

Facility: Newcastle Emlyn ad.
Dairy Partners (Cymru Wales) Limited
The Creamery, Aberar

Form Number: 2022

Air 1 / 22/11/2019

Reporting of emissions to air for the period from **21/12/21** to **11/01/23**

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
A1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No Limit		Periodic (average over hour)	Boiler 1 – 202.3mg/Nm ³ Boiler 2 – 199.2mg/Nm ³	BS EN 14792 BS EN 14789 BS ISO 16911	11 Jan 2023 Boiler 1: 12:28-13:50 Boiler 2: 11:05-12:05	Boiler 1 - ±4.5 Boiler 2 - ±4.9

- [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.

SignedJohn Potter.....
(Authorised to sign as representative of Operator)

Date...12 Jan 2023.....

The Creamery, Aberarad

Dairy Partners (Cymru Wales) Limited

Water 1 / 22/11/2019

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Ltd

Facility: Newcastle Emlyn ad.

Form Number: 2022

Reporting of emissions to water (other than to sewer) and land (see attached form for Q4, 2022 and annual results)

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Maximum daily volume	1,050 m ³ per day	Daily	See submission for Q4 2022 (includes December)			
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.

SignedJohn Potter.....
(Authorised to sign as representative of Operator)

Date.....11 Jan 2023.....

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Ltd

Facility: Newcastle Emlyn ad.

Form Number: 2022

Dairy Partners (Cymru Wales) Limited

The Creamery, Aberarad

Water Usage1 / 22/11/2019

Reporting of Water Usage for the year: 2022

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains supply	81,708	0.46
Borehole	54,981	0.31
TOTAL WATER USAGE	136,689	0.77 m³ per m³

Operator's comments :

'Specific Usage' calculated as Water (m³) per Milk processed (m³)

SignedJohn Potter.....
(authorised to sign as representative of Operator)

Date...11 Jan 2023.....

Dairy Partners (Cymru Wales) Limited

The Creamery, Aberarad

Energy usage 1 / 22/11/2019

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Ltd

Facility: Newcastle Emlyn ad.

Form Number: 2022

Reporting of Energy Usage for the year: 2022

Energy Source	Energy Usage		Specific Usage
	Quantity	Primary Energy (MWh)	(MWh/unit output)
Electricity *	8,151 MWh	19,562	0.519
Liquified Natural Gas	436,952 kg	6,650	0.176
Light Fuel Oil / Gas Oil	1,234,702 L	13,026	0.346
TOTAL		39,238	1.041 MWh / tonne

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Electricity total = 8,150,889 KWh
 = 8,150.9 MWh x 2.4

Primary energy = 19,562.2 MWh

LNG total = 436,952 kg x calorific value of 15.22
 = 6,650 MWh

Light fuel oil = 1,234,702 L x calorific value of 10.55
 = 13,026 MWh

Total output = 37,684,465 kg
 = 37,684.465 tonnes

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Date25 January 2023.....

Permit Number: WP3231NB

Facility:

The Creamery, Aberared.

Operator: Dairy Partners (Cymru Wales) Limited

Form Number: Performance 1 / 22/11/2019

Reporting of other performance indicators for the period 2022

Parameter	Quantity	Units
Total milk used	182,076	tonnes
Total Cheese produced	18,953	tonnes
Total waste sent for recovery	2,067.78	tonnes
Total waste sent for disposal	2,961.60	tonnes

Operator's comments :

Total waste includes waste from dairy production and domestic waste.
Recovery includes dairy production waste sent to AD.
Disposal includes dairy production waste sent to land and domestic waste. Domestic waste figure includes the estimated $\leq 85\%$ domestic and packaging waste recycled.

SignedJohn Potter.....
(Authorised to sign as representative of Operator)

Date...11 Jan 2023.....