

Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

Installation: Llangefni Dairy

Form Number: W1

Reporting of Emissions to Surface Water for the period from 1-10-17 to 31-12-17

Emission Point	Substance / Parameter	Discharge Limits	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
W2	BOD	6 mg/l	3.4	Q1 251/17	22.10.17 1100	UKAS	+ 0.2 mL
W2	Suspended Solids	30 mg/l	<6	Q1 251/12	"	"	+ 0.7 mL
W2	Oil and Grease	10 mg/l	<7.44	Q1 251/10	"	"	+ 1.7 mL
W2	pH	>6 - <9	7.28	Q1 250/11	"	"	+ 0.2 UNITS
W2	Biocide and Slimicide CHLORINE	Not mL detectable	80	Q1 251/48	"	"	+ 0.14 mL

[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 the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

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

Signed
(authorised to sign as representative of the Operator)

Date: 6.2.18

Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

Installation: Llangefni Dairy

Form Number: S1

Reporting of Emissions to Sewer for the period from 1-7-17 to 31-12-17

Emission Point	Substance Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
S1	COD, mg/l	(Trade effluent discharge consent 1700mg/l)	1690 <i>mg/l</i>	Oxidation with dichromate (ISO 6060:1989)	15-9-17 1430	UKAS accredited laboratory testing	+ 0-2073 <i>mg/l</i>
S1	Total effluent flow, m ³	1700	1650	CONTINUOUS DAILY MEASUREMENTS	25-7-17	150 17025 150 9001	+ 1/2

[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. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

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

Signed [Signature]
(authorised to sign as representative of the Operator)

Date: 6-2-18

BV8024IW

30/08/05

Permit Reference Number: BV8024IW

Installation: Llangefni Dairy

Operator: Glanbia Cheese Limited

Form Number: E1

Reporting of Energy Usage for the year 2017

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Natural Gas	MWh	44,918.804	8,534.5
Electricity *	MWh	33,926.100	5,611.3
Light Fuel Oil	MWh		
TOTAL		78,844.904	14,145.8

* Conversion factor for delivered electricity to primary energy = 2.6

Year	Primary Energy usage (MWh)	CO ₂ Produced (tonnes)
2014	72,538.74	13,819
2015	76,275.49	13,692
2016	79,477.65	14,265
2017	78,844.90	14,145

Operator's comments :

ECONOMISER INSTALLED ON BOILER OPERATIONAL FROM OCT 2017

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Date 6.2.18

BV8024IW

30/08/05

Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

Installation: Llangefni Dairy

Form Number: PI1

Reporting of Performance Indicators for the year 2017

Annual Production	
Mozzarella Cheese Product	41,409 Tonnes(t)

Environmental Performance Indicators

Parameter	Annual Average	Units
COD (kg)	26,329	MONTHLY
Water use (m3)	24,899	"
Energy Consumed (MWh)	6,570.40	"

Trends in Environmental Performance			
Year	Parameter	m ³ of water/t	MWh of energy/t
2014	COD kg/t	7.83	2.51
2015		7.60	1.84
2016		7.86	1.93
2017		7.21	1.90

Operator's comments :

COD INCREASED DUE TO MORE PRODUCTION AND LESS WASTE BEING SENT TO LANDFILL
ENERGY & WATER INCREASED PRODUCTION

[1] Performance indicators should be quoted in tonnes of finished product manufactured per COD/t, water/m³, energy/MWh

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BV8024IW

30/08/05

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Installation: Llangefni Dairy

Operator: Glanbia Cheese Limited

Form Number: WU1

Reporting of Water Usage for the year 2017

Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water	298,798	7.21
TOTAL WATER USAGE	298,798	7.21

Year	Named Water source	Total Water usage (m ³)
2014	271,463	271,463
2015	289,755	289,755
2016	289,716	289,716
2017	298,798	298,798

Operator's comments : INCREASE DUE TO MORE PRODUCTION

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Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

Installation: Llangefni Dairy

Form Number: R1

Reporting of Waste Disposal and Recovery for the year 2017

Waste Description	Disposal		Recovery Tonnes	Year	Named Waste	Total Waste (Tonnes)
	Route	Tonnes				
1) Hazardous Wastes						
Named haz. Waste	WEE	1	1	2005/14	22,257	22,257
Other hazardous wastes	TUBES (TONNAGE)	0.5	-	2006/15	26,027	26,027
Total hazardous waste	OIL DRAINS	0.3	-	2016	21,203	21,203
				2017	18,716	18,716
2) Non-Hazardous Wastes						
Named non-haz. Waste	LAND FILL	117.34	-			
Other non-hazardous wastes	LANDFILL	14,795	-			
Total non-hazardous waste	CARD BOARD	43.02	43.02			
TOTAL WASTE	-	18,716	14.02			

Operator's comments :

LANDFILL DOWN DUE TO HEAVY EFFLUENT VOLUME BEING REDUCED



Signed Date: 6.2.18

(authorised to sign as representative of the Operator)