

Permit Reference Number: BV80241W

Installation: Llangefni Dairy

Form Number: R1

Operator: Glanbia Cheese Limited

Reporting of Waste Disposal and Recovery for the year 2016.....

Waste Description	Disposal		Tonnes	Recovery Tonnes
	Route			
1) Hazardous Wastes				
Named haz. Waste	WEE TUBES / TONNERS	0.4	0.2	
Other hazardous wastes	OIL DRUMS	0.6	-	
Total hazardous waste		0.4	-	
2) Non-Hazardous Wastes				
Named non-haz. Waste	LANDFILL	130	-	
Other non-hazardous wastes	LANDFILL	21,000	-	
Total non-hazardous waste	LANDFILL	72	72	
TOTAL WASTE		21,203.4	72.02	

Year	Named Waste	Total Waste (Tonnes)
2005/14	22257	22257
2006/15	26027	26027
2016	21,203	21,203

Operator's comments :

LANDFILL REDUCTION DUE TO WIS LANDFILL BEING DISPOSED OF NOW RECYCLED

Signed
(authorised to sign as representative of the Operator)

Date: 11-1-2017

Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

Installation: Llangefni Dairy

Form Number: W1

Reporting of Emissions to Surface Water for the period from 1-10-16 to 31-12-16

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	3.2	Q1 251/17	14.12.16 1000	UKAS	± 0.2078 m/l
W2	Suspended Solids	30 mg/l	7	Q1 251/12	"	"	± 0.738 m/l
W2	Oil and Grease	10 mg/l	7.04	Q1 251/10	"	"	± 1.7 m/l
W2	pH	>6 - <9	7.26	Q1 250/11	"	"	± 0.2 units
W2	Biocide and Slimicide	Not detectable	—	—	—	—	—

- [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.

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Date: 11-1-2017

Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

Installation: Llangefni Dairy

Form Number: S1

Reporting of Emissions to Sewer for the period from 1-7-2016 to 31-12-2016

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)	2487	Oxidation with dichromate (ISO 6060:1989)	23.8.2016 1300	UKAS accredited laboratory testing	+ 0.2078 mkl
S1	Total effluent flow, m ³		1563	Continuous online measurement	3.9.2016 0817	1509001 1501012	+ 3%

- [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.

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Date: 11-1-2017

BV8024IW

Permit Reference Number: BV8024IW

Installation: Llangefni Dairy

Operator: Glanbia Cheese Limited

Form Number: E1

Reporting of Energy Usage for the year 2016

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Natural Gas	MWh	45,489.993	8,643.1
Electricity *	MWh	33,987.46	5,621.5
Light Fuel Oil	MWh		
TOTAL		79,477.453	14,264.6

* Conversion factor for delivered electricity to primary energy = 2.6

Year	Primary Energy usage (MWh)	CO ₂ Produced (tonnes)
2014	72,538.74	13,019
2015	76,295.49	13,692
2016	79,477.45	14,265

Operator's comments :

INCREASE IN ENERGY DUE TO INCREASED PRODUCTION

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Date..... 11-1-2016

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Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

Installation: Llangefni Dairy

Form Number: P11

Reporting of Performance Indicators for the year 2016

Annual Production	
Mozzarella Cheese Product	Tonnes(t)
	40,991

Environmental Performance Indicators

Parameter	Annual Average	Units
COD (kg)	24,267	normal
Water use (m ³)	24,143	"
Energy Consumed (MWh)	1,673.12	"

Trends in Environmental Performance			
Year	Parameter	m ³ of water/t	MWh of energy/t
2014	COD kg/t	4.96	7.83
2015		4.41	7.40
2016		7.10	7.86

Operator's comments :

COD INCREASED DUE TO HIGHER PRODUCTION LEVELS AND DECREASE IN COD REMOVAL FROM DAF PLANTS - WORK PROGRESSING TO REDUCE LOADING TO EFFLUENTS

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

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Date: 11.1.2017

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Installation: Llangefni Dairy

Form Number: WTJ1

Operator: Glanbia Cheese Limited

Reporting of Water Usage for the year 2016

Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water	289,716	7.06
TOTAL WATER USAGE	289,716	7.06

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

Operator's comments :

WATER USAGE REMAINS STABLE EVEN THOUGH PRODUCTION IS INCREASED

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Date: 11-1-2017