

Permit Reference Number: BV8024IW

Installation: Llangefni Dairy

Operator: Glanbia Cheese Limited

Form Number: R1

Reporting of Waste Disposal and Recovery for the year 2014.....

Waste Description	Disposal Route		Recovery	
	Tonnes		Tonnes	
1) Hazardous Wastes				
Named haz. Waste	<u>WEE</u>		<u>0.4</u>	
Other hazardous wastes	<u>TUBES/TOMAS</u>		<u>—</u>	
Total hazardous waste	<u>OIL WASTE</u>		<u>0.9</u>	
	<u>2.1</u>		<u>1.3</u>	
2) Non-Hazardous Wastes				
Named non-haz. Waste	<u>LANDFILL</u>		<u>—</u>	
Other non-hazardous wastes	<u>LANDFILL</u>		<u>—</u>	
Total non-hazardous waste	<u>CARDBOARD</u>		<u>56</u>	
	<u>22,255.66</u>		<u>56</u>	
TOTAL WASTE	<u>—</u>		<u>57.3</u>	

Year	Named Waste	Total Waste (Tonnes)
2005 10	<u>4753</u>	<u>4758</u>
2006 11	<u>3527</u>	<u>3527</u>
2012	<u>3996</u>	<u>3996</u>
2013	<u>21639</u>	<u>21639</u>
2014	<u>22,257</u>	<u>22,257</u>

Operator's comments:

SUBST INCREASE DUE TO MORE LANDFILLING FROM MILK PRODUCTION



Signed

(authorised to sign as representative of the Operator)

Date 20.2.15.....

BV8024IW

30/08/05

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Form Number: WUI

Reporting of Water Usage for the year 2014

Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water	271,463	7.83
TOTAL WATER USAGE		

Year	Named Water source	Total Water usage (m ³)
200510	287.725	287.725
200611	295.523	295.523
2012	305.784	305.784
2013	276.693	276.693
2014	271,463	271,463

Operator's comments :

REDUCTION DUE TO OPERATIONAL IMPROVEMENTS WITH COWLINE



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(authorised to sign as representative of the Operator)

Date..... 20.2.15

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30/08/05

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Operator: Glanbia Cheese Limited

Form Number: PI1

Reporting of Performance Indicators for the year **2014**

Annual Production	
Mozzarella Cheese Product	Tonnes(t)
	34,645

Environmental Performance Indicators

Parameter	Annual Average	Units
COD (kg)	14,155	MWTP27
Water use (m3)	72,622	"
Energy Consumed (MWh)	6,044.895	"

Trends in Environmental Performance			
Year	Parameter	m ³ of water/t	MWh of energy/t
	COD kg/t		
2010	6.76	11.89	2,804
2011	9.11	10.80	2,514
2012	6.05	9.77	2,292
2013	5.89	8.84	2,517
2014	4.90	7.83	2,513

Operator's comments :

LESS VOLUME TO EFFLUENT DUE TO CONDENSATE /PERMEATE DIRECT TO FLUME AND REDUCED LEAKAGE FROM PRODUCT LOSS BEING LESS

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

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Date: **20.7.15**

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30/08/05

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Installation: Llangefni Dairy

Operator: Glanbia Cheese Limited

Form Number: E1

Reporting of Energy Usage for the year 2014

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Natural Gas	MWh 20.19	41,533,226	7891
Electricity *	MWh 20.1654	31,005,520	5128
Light Fuel Oil	MWh		
TOTAL		72,538,746	13,019

* Conversion factor for delivered electricity to primary energy = 2.6

Year	Primary Energy usage (MWh)	CO ₂ Produced (tonnes)
2005-2010	64,703,022	11,546
2006-2011	68,779,999	12,284
2012	71,678,036	12,813
2013	74,935,100	13,406
2014	72,538,746	13,019

Operator's comments :

HIGHER GAS USAGE DUE TO INCREASED PRODUCTION

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Date 20.2.15

BV8024IW

30/08/05

Permit Reference Number: BV8024IW

Installation: Llangefni Dairy

Operator: Glanbia Cheese Limited

Form Number: S1

Reporting of Emissions to Sewer for the period from 1-7-14 to 31-12-14

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)	737	Oxidation with dichromate (ISO 6060:1989)	24.9.14 1300	UKAS accredited laboratory testing	$\pm 2\%$
S1	Total effluent flow, m ³		1199	Continuous Flow	22.11.14	UKAS	$\pm 3.5\%$

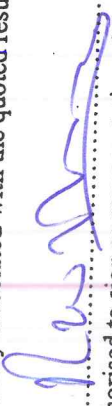
[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.

[2] Where an internationally recognised standard test method is used, the result is given as the 'minimum - maximum' measured values. 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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Permit Reference Number: BV8024IW

Operator: Glanbia Cheese Limited

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Form Number: W1

Reporting of Emissions to Surface Water for the period from 1-10-2014 to 31-12-2014

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	3.8	Q1 251/17	30-12-14 1000	UKAS	+ 0.2078
W2	Suspended Solids	30 mg/l	12	Q1 250/12	" "	"	+ 0.738
W2	Oil and Grease	10 mg/l	<8	Q1 251/10	" "	"	+ 1.7
W2	pH	>6 - <9	7.04	Q1 251/16	" "	"	+ 0.2
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.

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