

Installation : Dolwen Abattoir
 Permit Reference Number : GP3235GH
 Form Number : W1
 Operator : Randall Parker Foods Ltd

Reporting of Emissions to Water (other than to Sewer) for the period from 1st January - 31st March 2015

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
W1	BOD	40mg/l	11mg/l 11mg/l 3.7mg/l	BS EN 1899-1 (1998)	15/1/2015 26/2/2015 13/3/2015	UKAS 1349	- 11.4%
W1	Suspended solids	60mg/l	56mg/l 20mg/l 11mg/l	BS EN 872:1996 BS 6068-2.54:1996	15/1/2015 26/2/2015 12/3/2015	UKAS 1349	- 9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	2.9mg/l 10.2mg/l 3.66mg/l	BS ENISO11732:1997	15/1/2015 26/2/2015 12/3/2015	UKAS 1349	- 6.5%
W1	Daily effluent flow rate	300m ³ /day	152.71m ³ /day 159.35m ³ /day 144.57m ³ /day	To a relevant EN BS ISO standard as agreed in IC6	Daily average for January 15 Daily average for February 15 Daily average for March 15	BS:ISO 6817-1997	+/- 8 %
W1	PH	6-10	6.86 7.24 7.57	BS6068-2.50:1995 ISO 10523:1994	15/1/2015 26/2/2015 12/3/2015	UKAS 1349	- 1.1%

[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. The following uncertainties are quoted on a different basis (basis as stated) - {The basis of any other uncertainty figure needs to be stated. Where no figure is available the Agency will need to agree an appropriate uncertainty value.}

[6] The emission limit values for flow is expressed as a daily maximum.

[7] The emission limit values for ammoniacal nitrogen, BOD₅ and suspended solids are expressed as a maximum individual value.

[8] The emission limit values for pH are expressed as minimum and maximum individual values.

[9] Compliance with the emission limit values for mercury and cadmium are based on mass balance calculation.

Signed John Eversfield..... Date 18/1/2016
 Permit Reference Number : GP3235GH Operator : Randall Parker Foods Ltd

Installation : Dolwen Abattoir

Form Number : W1

Reporting of Emissions to Water (other than to Sewer) for the period from 1st April to 30th June 2015

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
W1	BOD	40mg/l	12mg/l 11mg/l 12mg/l	BS EN 1899-1 (1998)	23/4/2015 14/5/2015 24/6/2015	UKAS 1349	- 11.4 %
W1	Suspended solids	60mg/l	10mg/l 17mg/l 31mg/l	BS EN 872:1996 BS 6068-2.54:1996	23/4/2015 14/5/2015 24/6/2015	UKAS 1349	- 9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	12.6mg/l 7.6mg/l 3mg/l	BS ENISO11732:1997	23/4/2015 14/5/2015 24/6/2015	UKAS 1349	- 6.5%
W1	Daily effluent flow rate	300m ³ /day	92.92m ³ /day 162.62m ³ /day 198.76m ³ /day	To a relevant EN BS ISO standard as agreed in IC6	Daily average for April 15 Daily average for May 2015 Daily average for June 2015	BS ISO6817 -1997	+/- 8%
W1	PH	6-10	6.71 6.40 7.17	BS6068-2.50:1995 ISO 10523:1994	23/4/2015 14/5/2015 24/6/2015	UKAS 1349	- 1.1%

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Permit Reference Number : GP3235HG

Date 18/1/2016
Operator : Randall Parker Foods Ltd

Installation : Dolwen Abattoir

Form Number : W1

Reporting of Emissions to Water (other than to Sewer) for the period from 1st Jul to 30th September 2015

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
W1	BOD	40mg/l	6.6mg/l 14mg/l 20mg/l	BS EN 1899-1 (1998)	30/7/2015 24/8/2015 28/9/2015	UKAS 1349	-11.4%
W1	Suspended solids	60mg/l	26mg/l 38mg/l 36mg/l	BS EN 872:1996 BS 6068- 2.54:1996	30/7/2015 24/8/2015 28/9/2015	UKAS 1349	- 9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	1mg/l 7mg/l 5mg/l	BS ENISO11732:199 7	30/7/2015 24/8/2015 28/9/2015	UKAS 1349	-6.5%
W1	Daily effluent flow rate	300m ³ /day	173.48m ³ /day 134.23m ³ /day 146.92m ³ /day	To a relevant EN BS ISO standard as agreed in IC6	Daily average for July 15 Daily average for August 15 Daily average for September 15	BS ISO 6817 - 1997	+/- 8%
W1	PH	6-10	6.97 7.17 6.51	BS6068- 2.50:1995 ISO 10523:1994	30/7/2015 24/8/2015 24/8/2015	UKAS 1349	- 1.1%

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Permit Reference Number : GP3235GH
Installation : Dolwen Abattoir

Operator : Randall Parker Foods Ltd
Form Number : W1

Reporting of Emissions to Water (other than to Sewer) for the period from 1st October to 31st December 2015

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
W1	BOD	40mg/l	<4.0mg/l <2.9mg/l <1.9mg/l	BS EN 1899-1 (1998)	29/10/2015 26/11/2015 29/12/2015	UKAS 1349 11.00hrs	-11.4%
W1	Suspended solids	60mg/l	16mg/l 11mg/l 59mg/l	BS EN 872:1996 BS 6068- 2.54:1996	29/10/2015 26/11/2015 29/12/2015	UKAS 1349 11.00hrs	-9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	2mg/l 5mg/l 1mg/l	BS ENISO11732:199 7	29/10/2015 26/11/2015 29/12/2015	UKAS 1349 11.00hrs	- 6.5%
W1	Daily effluent flow rate	300m ³ /day	137.36m ³ /day 132.32m ³ /day 249.44m ³ /day	To a relevant EN BS ISO standard as agreed in IC6	Average daily for October 15 Average daily for November 15 Average daily for December 15	BS ISO 6817- 1997	+ / - 8%
W1	PH	6-10	7.29 6.61 6.57	BS6068- 2.50:1995 ISO 10523:1994	29/10/2015 26/11/2015 29/12/2015	UKAS 1349 11.00hrs	-1.1%

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Operator : Randall Parker Foods Ltd

Permit Reference Number : GP3235GH

Installation : Dolwen Abattoir

Form Number : R1

Reporting of Waste Disposal and Recovery for the year 2015

Waste Description	Disposal		Recovery Tonnes (t)
	Route	Tonnes (t)	
Blood	Protein process	3,013.65	3,013.65
Lamb/Offal bone –CAT 3	Bone meal	5,626.80	5,626.80
SRM (CAT 1)	Fuel	1,967.54	1,967.54
Digestive tract content Cat 2	AD Plant	1473.62	1473.62
General waste	Land fill	39.24	
TOTAL WASTE	-	12,120.85	12,081.61

Trends in Waste Disposal and Recovery			
Year	Parameter		Waste per unit output (t/t)
	Hazardous Waste (t)	Non-Hazardous Waste (t)	
2013	0	12,309.17	0.46
2014	0	11,874.92	0.44
2015	0	12,120.61	0.45

Operator's comments :

Total weight for lamb and beef production (after waste removal) = 26,612.75 tonnes. Total waste produced = 12,120.61 tonnes. $12,120.61 \div 26,612.75 = 0.45$ tonnes

SignedJohn Eversfield..... Date.....18/1/2016.....
 (Authorised to sign as representative of the Operator)

Permit Reference Number : **GP3235GH**

Operator : Randall Parker Foods Ltd

Installation : Dolwen Abattoir

Form Number : WU1

Reporting of Water Usage for the year 2015

Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Severn Trent mains water		
TOTAL WATER USAGE	56,659m³	2.12m³

Trends in Water Usage		
Year	Parameter	Total Water Usage (m ³)
	Mains Water (m ³)	
2009	30,555.1 m ³	30,555.1m ³
2010	32,801.00 m ³	32,801m ³
2011	44,888 m ³	44,888m ³
2012	43,766m ³	43,766m ³
2013	45,344m ³	45,344m ³
2014	49,198m ³	49,198m ³
2015	56,659m ³	56,659m ³

Operator's comments :

SignedJohn Eversfield.....
(authorised to sign as representative of the Operator)

Date.....18/1/2016.....

Permit Reference Number : GP3235GH

Operator : Randall Parker Foods Ltd

Installation : Dolwen Abattoir

Form Number : E1

Reporting of Energy Usage for the year 2015

Energy Source	Energy Usage		CO ₂ Produced (t)
	Quantity	Primary Energy (MWh)	
Electricity	3029.24 MWh	7270.18	1,206.85
ULSD	38230 Litres		
Gas oil	27051 Litres		
Kerosene	171672 Litres		
TOTAL			

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :
Note :

Trends in Energy Usage			
Year	Parameter	CO ₂ Produced (t)	CO ₂ per Unit Output (t/t)
	Primary Energy Usage (MWh)		
2009	2232.45		
2010	2561.51		
2011	2660.06		
2012	3446.02		
2013	5713.0992	948.37	
2014	7117.61	1,181.52	0.04
2015	7270.18	1,206.85	0.045

SignedJohn Eversfield.....
(authorised to sign as representative of the Operator)

Date.....18/1/2016.....

Permit Reference Number : **GP3235GH**

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Form Number : P11

Reporting of Performance Indicators for the year 2015

Annual Production/Treatment	
Sheep Slaughtered =	910,022
Cattle Slaughtered =	12,902
Weights include offal's, skins, petfood = 21,668.77	
Weights include offals, hides, petfood = 4,943.98	

Environmental Performance Indicators

Parameter	Annual Average	Units	Trends in Environmental Performance				
			Year	Water usage per tonne of total product (m ³ / t)	Energy consumption per tonne of total product (MWh/t)	Waste generation per tonne of total product (t / t)	Parameter (BOD (mg/l) average)
Energy consumption per tonne of total product	0.27	MWh energy / t product	2011	1.7	1.10	0.23	4.95mg/l
Waste disposal per tonne of total product	0.45	t waste / t product	2012	1.73	0.14	0.32	7.62mg/l
BOD	19.5grammes	BOD/tonne	2013	1.71	0.12	0.47	4.8mg/l
			2014	1.81	0.26	0.44	3.34mg/l
			2015	2.12	0.27	0.45	9.17mg/l
Operator's comments : BOD RESULTS = 110.10 MG FOR 12 RESULTS ÷ 12 = 9.17mg/l average .							

Signed John Eversfield Date 18/1/2016
(authorised to sign as representative of the Operator)