

Installation : Dolwen Abattoir
 Permit Reference Number : YP3539S
 Operator : Randall Parker Foods Ltd

Form Number : W1

Reporting of Emissions to Water (other than to Sewer) for the period from 1st January to 31st March 2014

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	2.5mg 3.1mg/l 2.8mg/l	BS EN 1899-1 (1998)	9/1/2014 - 7.45am 7/2/2014-9.30am 25/3/2014 -8.00am	UKAS 1349	- 11.4%
W1	Suspended solids	60mg/l	3.0mg 10.0mg/l 31mg/l	BS EN 872:1996 BS 6068-2.54:1996	9/1/2014 -7.45am 7/2/2014 - 9.30am 25/3/2014 - 8.00am	UKAS 1349	- 9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	10.03mg/l 11.02mg/l 10.9mg/l	BS ENISO11732:1997	9/1/2014 -7.45am 7/2/2014 -9.30 am 23/3/2014 - 8.00am	UKAS 1349	- 6.5%
W1	Daily effluent flow rate	300m ³ /day	183.25m ³ 125.30m ³ 72.56m ³	To a relevant EN BS ISO standard as agreed in IC6	Daily average January Daily average February Daily average March	BS:ISO 6817-1997	+/- 8 %
W1	PH	6-10	7.19 6.94 7.33	BS6068-2.50:1995 ISO 10523:1994	9/1/2014 - 7.45am 7/2/2014 - 9.30am 25/3/2014 -8.00am	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.

SignedJohn Eversfield.....

Date 23/1/2015

Permit Reference Number : YP3539SX

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 2014

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	2.3mg/l 5.5mg/l 2.6mg/l	BS EN 1899-1 (1998)	16/4/2014 - 9.30am 15/5/2014 - 1.10pm 26/6/2014 - 10.30am	UKAS 1349	- 11.4 %
W1	Suspended solids	60mg/l	4.0mg/l 8.0mg/l 12mg/l	BS EN 872:1996 BS 6068-2.54:1996	16/4/2014 - 9.30am 15/5/2014 - 1.10pm 26/6/2014 - 10.30am	UKAS 1349	- 9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	7.41mg/l 8.72mg/l 1.85mg/l	BS ENISO11732:1997	16/4/2014 - 9.30am 15/5/2014 - 1.10pm 26/6/2014 - 10.30am	UKAS 1349	- 6.5%
W1	Daily effluent flow rate	300m ³ /day	52.5m ³ 73.08m ³ 117.53m ³	To a relevant EN BS ISO standard as agreed in IC6	Daily average April Daily average May Daily average June	BS ISO6817 -1997	+/- 8%
W1	PH	6-10	7.56 7.19 6.84	BS6068-2.50:1995 ISO 10523:1994	16/4/2014 - 9.30am 15/5/2014 - 1.10pm 26/6/2014 - 10.30am	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 23/1/2015

YP3539SX

Permit Reference Number : YP3539SX

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 Jul to 30th September 2014

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	4.75mg/l 5.3mg/l 4.3mg/l	BS EN 1899-1 (1998)	22/7/2014 -7.0am 21/8/2014 -6.15am 11/9/2014 -11.45am	UKAS 1349	-11.4%
W1	Suspended solids	60mg/l	18mg/l 4mg/l >2mg/l	BS EN 872:1996 BS 6068- 2.54:1996	22/7/2014 -7.0am 21/8/2014 -6.15am 11/9/2014 -11.45am	UKAS 1349	- 9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	3.54mg/l 5.76mg/l 8.24mg/l	BS ENISO11732:199 7	22/7/2014 -7.0am 21/8/2014 -6.15am 11/9/2014 -11.45am	UKAS 1349	-6.5%
W1	Daily effluent flow rate	300m ³ /day	None in July 148.96m ³ 178.92m ³	To a relevant EN BS ISO standard as agreed in IC6	July - none Daily average - August Daily average -September	BS ISO 6817 - 1997	+/- 8%
W1	PH	6-10	6.56 7.46 7.36	BS6068- 2.50:1995 ISO 10523:1994	22/7/2014 -7.0am 21/8/2014 -7.00am 11/9/2015	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 23/1/2015

YP3539SX

Permit Reference Number : YP3539SX
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 2014 – 31st December 2014

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	<1.9mg/l 2.8mg/l 2.2mg/l	BS EN 1899-1 (1998)	30/10/2014 -6.00am 20/11/2014 -10.30am 5/12/2014	UKAS 1349 11.00hrs	-11.4%
W1	Suspended solids	60mg/l	<2mg/l 8mg/l 6mg/l	BS EN 872:1996 BS 6068-2.54:1996	30/10/2014 -6am 20/11/2014 -10.30am 5/12/2014	UKAS 1349 11.00hrs	-9.8%
W1	Ammoniacal Nitrogen (as N)	25mg/l	7.77mg/l 6.39mg/l 4.7mg/l	BS ENISO11732:1997	30/10/2014 -6am 20/11/2014 -10.30am 5/12/2014	UKAS 1349 11.00hrs	- 6.5%
W1	Daily effluent flow rate	300m ³ /day	195m ³ 159.77m ³ 264.53m ³	To a relevant EN BS ISO standard as agreed in IC6	Daily average -October Daily average - November Daily average -December	BS ISO 6817-1997	+ / - 8%
W1	PH	6-10	7.61 7.84 7.65	BS6068-2.50:1995 ISO 10523:1994	30/10/2014 - 6am 20/11/2014 -10.30am 5/12/2014	UKAS 1349 11.00hrs	-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.....23/1/2015.....
Permit Reference Number : YP3539SX Operator : Randall Parker Foods Ltd

YP3539SX

Installation : Dolwen Abattoir

Form Number : R1

Reporting of Waste Disposal and Recovery for the year 2014

Waste Description	Disposal		Recovery Tonnes (t)
	Route	Tonnes (t)	
Blood	Protein process	2,949.44	2,949.44
Lamb/Offal bone -CAT 3	Bone meal	5509.41	5509.41
SRM (CAT 1)	Fuel	1,938,000	1,938,000
Digestive tract content Cat 2	AD Plant	1,425.69	1,425.69
General waste	Land fill	52.38	
TOTAL WASTE	-	11,874.92	11,822.54

Trends in Waste Disposal and Recovery			
Year	Parameter		Waste per unit output (t/t)
	Hazardous Waste (t)	Non-Hazardous Waste (t)	
2008	0	7,118	0.47
2009	0	6949.51	0.48
2010	0	5780.99	0.26
2011	0	6121.47	0.23
2012	0	8327.0	0.32
2013	0	12,309.17	0.46
2014	0	11,874.92	0.44

Operator's comments :

Total weight for lamb and beef production = 27,161.83 tonnes. Total waste = 11,822.54 tonnes . $11,822.54 \div 27,161.83 = 0.44$ waste per unit (tonne)

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

Date.....23/1/2015.....

YP3539SX

Permit Reference Number : YP3539SX

Installation : Dolwen Abattoir

Operator : Randall Parker Foods Ltd

Form Number : WU1

Reporting of Water Usage for the year 2014

Water Source	Usage (m ³)	Specific Usage (m ³ /t)
TOTAL WATER USAGE	49,198m ³	

Trends in Water Usage		
Year	Parameter	Total Water Usage (m ³)
	Mains Water (m ³)	
2008	33,244 m ³	
2009	30,555.1 m ³	
2010	32,801.00 m ³	
2011	44,888 m ³	
2012	43,766m ³	
2013	45,344m ³	
2014	49,198m ³	

Operator's comments :

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

Date.....23/1/2015.....

YP3539SX

Permit Reference Number : YP3539SX

Operator : Randall Parker Foods Ltd

Installation : Dolwen Abattoir

Form Number : E1

Reporting of Energy Usage for the year 2014

Energy Source	Energy Usage		CO ₂ Produced (t)
	Quantity	Primary Energy (MWh)	
Electricity (MW)	2965.669	7117.61	1,181.52
ULSD	43,059		
Gas oil	37,154		
Kerosene	194,793		
TOTAL			

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Note CO₂ per unit output – CO₂ produced = 1,181.52 tonnes ÷ 27,161.83 tonnes output = 0.04 (t/t)

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

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

Date.....23/1/2015.....

YP3539SX

Permit Reference Number : YP3539SX

Operator : Randall Parker Foods Ltd

Installation : Dolwen Abattoir

Form Number : P11

Reporting of Performance Indicators for the year 2014

Annual Production/Treatment	
Sheep Slaughtered = 933,261	Weights include offal's, skins, petfood = 22,883.53 Tonnes (t)
Cattle Slaughtered = 12,311	Weights include offals, hides, petfood = 4,278.30 Tonnes (t)

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 (MW/h/t)	Waste generation per tonne of total product (t / t)	Parameter (BOD (mg/l) average)
Water usage per tonne of total product	1.81	m ³ water / t product	2010	1.37	0.21	0.26	6.82mg/l
Energy consumption per tonne of total product	0.12	MWh energy / t product	2011	1.7	1.10	0.23	4.95mg/l
Waste disposal per tonne of total product	0.44	t waste / t product	2012	1.73	0.14	0.32	7.62mg/l
BOD	6.045 grams	BOD/tonne	2013	1.71	0.12	0.47	4.8mg/l
			2014	1.81	0.26	0.44	3.34mg/l
Operator's comments :							

Signed John Eversfield..... Date 23/1/2015

YP3539SX