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 January - 31st March 2017

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	7.9mg/l 2.5mg/l <2.9mg/l	SCA blue book 130 ISBN 0117522120	19/1/2017 09:30am 16/2/2017 9:30am 17/3/2017 10:30am	UKAS 1291	24.5 %
W1	Suspended solids	60mg/l	<2mg/l 3mg/l 10mg/l	SCA blue book 105 ISBN 011751957X	19/1/2017 09:30am 16/2/2017 9:30am 17/3/2017 10:30am	UKAS 1291	12.1 %
W1	Ammoniacal Nitrogen (as N)	25mg/l	7mg/l 10mg/l 6mg/l	SCA blue book 48 ISBN 0117516139	19/1/2017 09:30am 16/2/2017 9:30am 17/3/2017 10:30am	UKAS 1291	4.8 %
W1	Daily effluent flow rate	300m³/day	217.57m³/day 231.23m³/day 216.81m³/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for January 2017 Daily average for February 2017 Daily average for March 2017	BS:ISO 6817-1997	+/- 8%
W1	PH	6-10	7.15 6.94 6.50	SCA blue book 14 ISBN 0117514284	19/1/2017 09:30am 16/2/2017 9:30am 17/3/2017 10:30am	UKAS 1291	0.6 %

[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, BOD_5 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 ..... Date 29/01/2018

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 2017

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	<2.9mg/l 9.7mg/l <4.1mg/l	SCA blue book 130 ISBN 0117522120	18/4/2017 10:30am 9/5/2017 10:00am 1/6/2017 10:00am	UKAS 1291	24.5 %
W1	Suspended solids	60mg/l	11mg/l 12mg/l 2mg/l	SCA blue book 105 ISBN 011751957X	18/4/2017 10:30am 9/5/2017 10:00am 1/6/2017 10:00am	UKAS 1291	12.1 %
W1	Ammoniacal Nitrogen (as N)	25mg/l	9mg/l 9.0mg/l 9mg/l	SCA blue book 48 ISBN 0117516139	18/4/2017 10:30am 9/5/2017 10:00am 1/6/2017 10:00am	UKAS 1291	4.8 %
W1	Daily effluent flow rate	300m ³/day	208.78 m³/day 158.02 m³/day 188.93 m³/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for April2017 Daily average for May 2017 Daily average for June 2017	BS ISO6817 -1997	+/- 8%
W1	PH	6-10	7.36 6.93 6.96	SCA blue book 14 ISBN 0117514284	18/4/2017 10:30am 9/5/2017 10:00am 1/6/2017 10:00am	UKAS 1291	0.6 %

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

Signed ..... Date 29/01/2018

Permit Reference Number : **GP3235HG** 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 2017

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**	<2.9mg/l <1.9mg/l <2.9mg/l	SCA blue book 130 ISBN 0117522120	06/07/2017 8:00am 03/08/2017 8:00am 07/09/2017 8:00am	**UKAS 1291**	24.5 %
W1	**Suspended solids**	**60mg/l**	8mg/l 4mg/l <2mg/l	SCA blue book 105 ISBN 011751957X	06/07/2017 8:00am 03/08/2017 8:00am 07/09/2017 8:00am	**UKAS 1291**	12.1 %
W1	**Ammoniacal Nitrogen (as N)**	**25mg/l**	11mg/l 7mg/l 7mg/l	SCA blue book 48 ISBN 0117516139	06/07/2017 8:00am 03/08/2017 8:00am 07/09/2017 8:00am	**UKAS 1291**	4.8 %
W1	**Daily effluent flow rate**	**300m ³/day**	177.88 m³/day 178.8 m³/day 192.3 m³/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for July 2017 Daily average for August 2017 Daily average for September 2017	**BS ISO 6817 - 1997**	+/- 8%
W1	**PH**	**6-10**	7.04 7.38 7.45	SCA blue book 14 ISBN 0117514284	06/07/2017 8:00am 03/08/2017 8:00am 07/09/2017 8:00am	**UKAS 1291**	0.6 %

[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.

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[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 ..... Date 29/01/2018

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 2017

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**	**<2.9mg/l** **<3.3mg/l** **<2.9mg/l**	SCA blue book 130 ISBN 0117522120	13/10/2017 09:30am 17/11/2017 09:30pm 30/12/2017 11:00am	**UKAS 1291**	24.5 %
W1	**Suspended solids**	**60mg/l**	**<6mg/l** **2mg/l** **7mg/l**	SCA blue book 105 ISBN 011751957X	13/10/2017 09:30am 17/11/2017 09:30pm 30/12/2017 11:00am	**UKAS 1291**	12.1 %
W1	**Ammoniacal Nitrogen (as N)**	**25mg/l**	**8mg/l** **4mg/l** **8mg/l**	SCA blue book 48 ISBN 0117516139	13/10/2017 09:30am 17/11/2017 09:30pm 30/12/2017 11:00am	**UKAS 1291**	4.8 %
W1	**Daily effluent flow rate**	**300m ³/day**	215.3 m³/day 205.4 m³/day 206.9m³/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for October 2017 Daily average for November 2017 Daily average for December 2017	**BS ISO 6817-1997**	+/- 8%
W1	**PH**	**6-10**	**7.43** **6.97** **7.4**	SCA blue book 14 ISBN 0117514284	13/10/2017 09:30am 17/11/2017 09:30pm 30/12/2017 11:00am	**UKAS 1291**	0.6 %

[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.
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[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 .....

Date 29/01/2018

Permit Reference Number : **GP3235GH**
Installation : Dolwen Abattoir

Operator : Randall Parker Foods Ltd
Form Number : R1

Reporting of Waste Disposal and Recovery for the year

Waste Description	Disposal		Recovery
	Route	Tonnes (t)	Tonnes (t)
General waste	Landfill	**47.24**	**0**
TOTAL WASTE	-	**47.24**	

Trends in Waste Disposal and Recovery			
Year	Parameter		
	Hazardous Waste (t)	Non-Hazardous Waste (t)	Waste per unit output (t/t)
2016	2.356	46.62	0.00175
2017	0.504	47.24	0.0015

Operator's comments : Total weight for lamb and beef production (after waste removal) = 30702.16 tonnes. Total waste produced = 47.24÷ 30702.16 = 0.0015 tonnes

Signed ....

Date 29/01/2018

(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

Water Source	Usage (m^3)	Specific Usage (m^3/t)
Severn Trent mains water		
TOTAL WATER USAGE	**64987.36 m³**	**2.12m³**

Trends in Water Usage		
Year	**Parameter**	
	Mains Water (m^3)	Total Water Usage (m^3)
2009	**30,555.1m³**	**30,555.1m³**
2010	**32801.0m³**	**32801.0m³**
2011	**44,888m³**	**44,888m³**
2012	**43,766m³**	**43,766m³**
2013	**45,344m³**	**45,344m³**
2014	**49,198m³**	**49,198m³**
2015	**56,659m³**	**56,659m³**
2016	**61711.46m³**	**61711.46m³**
2017	**64987.36 m³**	**64987.36 m³**

Operator's comments :

Signed .....

(authorised to sign as representative of the Operator)

Date 29/01/2018

Permit Reference Number : **GP3235GH**

Operator : Randall Parker Foods Ltd

Installation : Dolwen Abattoir

Form Number : E1

Reporting of Energy Usage for the year

Energy Source	Energy Usage		CO_2 Produced (t)
	Quantity	Primary Energy (MWh)	
Electricity	**3428.6 MWh**	**8822.64**	**1365.95**
ULSD	**33350.11 Litres**		
Gas oil	**20055.42 Litres**		
Kerosene	**200444.00Litres**		
TOTAL			

Trends in Energy Usage			
Year	Parameter		
	Primary Energy Usage (MWh)	CO_2 Produced (t)	CO_2 per Unit Output (t/t)
2009	**2232.45**		
2010	**2561.51**		
2011	**2660.06**		
2012	**3446.02**		
2013	**5713.1**	**948.37**	
2014	**7117.61**	**1181.52**	**0.04**
2015	**7270**	**1206.85**	**0.045**
2016	**7221.6**	**1198.78**	**0.043**
2017	**8822.64**	**1365.95**	**0.044**

* Conversion factor for delivered electricity to primary energy = 2.4

** Conversion for primary electricity to CO2 is 0.166. Conversion formula is measured electricity MWh x 2.4 x0.166 = Tonnes CO2

Operator's comments :
Note :

Signed .....
(authorised to sign as representative of the Operator)

Date 29/01/2018

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Permit Reference Number : **GP3235GH**
Installation : Dolwen Abattoir

Operator : Randall Parker Foods Ltd
Form Number : PI1

Reporting of Performance Indicators for the year

Annual Production/Treatment	
Sheep Slaughterered = 1049241	**Weights include offal's, skins,petfood = 27399.75 tonnes**
Cattle Slaughtered = 9093	**Weights include offals, hides,petfood = 3302.41 tonnes**

Environmental Performance Indicators

Parameter	Annual Average	Units
Energy consumption per tonne of total product	0.29	MWh energy / t product
Waste disposal per tonne of total product	0.0015	t waste / t product
BOD	6.0 grammes	BOD/tonne

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
2011	**1.7**	**1.10**	**0.23**	**4.95mg/l**
2012	**1.73**	**0.14**	**0.32**	**7.62mg/l**
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**
2016	**2.20**	**0.26**	**0.00175**	**6.275mg/l**
2017	**2.12**	**0.29**	**0.0015**	**3.90mg/l**

Operator's comments : BOD Results = 46.8 MG FOR 12 RESULTS ÷ 12= 3.90mg/l average
BOD 3.90÷1000 = 0.003 X 2.20 = 0.006 X 1000 = 6.0

Signed .....
(authorised to sign as representative of the Operator)

Date 29/01/2018

RPF	Environmental Management System		
	Cadmium and Mercury Annual reporting Form		
Document Reference: **EM 04-003**	Issue Number: **1**	Issue Date: **01.05.16**	**Page 1 of 1**

Permit Number : GP3235GH **Operator – Randall Parker Foods, Oakley Park, Llanidloes, Powys SY18 6LX**

Installation Dolwen Abattoir **Form Number W1**

Reporting of emissions to water (other than sewer) for the year .....

Emission Point	Substance/ Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W1	Mercury and its compounds µg/l	0.1	2017	-0.1032 µg/l	Mass Balance Calculation	01/12/17 @10:00am	
W1	Cadmium and its compounds mg/l	0.01	2017	-0.0003435mg/l	Mass Balance Calculation	01/12/17 @10:00am	

[1] Compliance based on mass balance calculation (see section 6 of Permit, interpretation for details)

Signed .....
(Authorised to sign as representative of Operator)

Date 29/01/2018