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 2018

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	3mg/l <1.9mg/l <4.1mg/l	SCA blue book 130 ISBN 0117522120	18/1/2018 09:00am 1/2/201811:00am 15/3/2018 11:00am	UKAS 1291	24.5 %
W1	Suspended solids	60mg/l	<2mg/l 4mg/l 17mg/l	SCA blue book 105 ISBN 011751957X	18/1/2018 09:00am 1/2/2018 11:00am 15/3/2018 11:00am	UKAS 1291	12.1 %
W1	Ammoniacal Nitrogen (as N)	25mg/l	7mg/l 11mg/l 9mg/l	SCA blue book 48 ISBN 0117516139	18/1/2018 09:00am 1/2/2018 11:00am 15/3/2018 11:00am	UKAS 1291	4.8 %
W1	Daily effluent flow rate	300m³/day	222.04m³/day 179.6m³/day 220.121m³/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for January 2018 Daily average for February 2018 Daily average for March 2018	BS:ISO 6817-1997	+/- 8%
W1	PH	6-10	7.61 7.47 7.46	SCA blue book 14 ISBN 0117514284	18/1/2018 09:00am 1/2/2018 11:00am 15/3/2018 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.
[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 08/02/2019

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 2018

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 4.7mg/l 2.9mg/l	SCA blue book 130 ISBN 0117522120	26/4/2018 10:30am 24/5/2018 10:00am 22/6/2018 10:00am	UKAS 1291	24.5 %
W1	Suspended solids	60mg/l	2 mg/l 5mg/l 10mg/l	SCA blue book 105 ISBN 011751957X	26/4/2018 10:30am 24/5/2018 10:00am 22/6/2018 10:00am	UKAS 1291	12.1 %
W1	Ammoniacal Nitrogen (as N)	25mg/l	13mg/l 2mg/l 8mg/l	SCA blue book 48 ISBN 0117516139	26/4/2018 10:30am 24/5/2018 10:00am 22/6/2018 10:00am	UKAS 1291	4.8 %
W1	Daily effluent flow rate	300m ^{3}/day	168.06 m^3/day 137.53 m^3/day 188.93 m^3/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for April2018 Daily average for May 2018 Daily average for June 2018	BS ISO6817 -1997	+/- 8%
W1	PH	6-10	7.82 6.84 7.35	SCA blue book 14 ISBN 0117514284	26/4/2018 10:30am 24/5/2018 10:00am 22/6/2018 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.

[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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[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 08/02/2019

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 2018

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	<2.7mg/l <1.9mg/l 3.5mg/l	SCA blue book 130 ISBN 0117522120	11/07/2018 11:00am 10/08/2018 10:00am 17/09/2018 10:00am	UKAS 1291	24.5 %
W1	Suspended solids	60mg/l	3mg/l 2mg/l <2mg/l	SCA blue book 105 ISBN 011751957X	11/07/2018 11:00am 10/08/2018 10:00am 17/09/2018 10:00am	UKAS 1291	12.1 %
W1	Ammoniacal Nitrogen (as N)	25mg/l	3mg/l 3mg/l 2mg/l	SCA blue book 48 ISBN 0117516139	11/07/2018 11:00am 10/08/2018 10:00am 17/09/2018 10:00am	UKAS 1291	4.8 %
W1	Daily effluent flow rate	300m ^{3}/day	181.89 m^3/day 208.6 m^3/day 215.6 m^3/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for July 2018 Daily average for August 2018 Daily average for September 2018	BS ISO 6817 - 1997	+/- 8%
W1	PH	6-10	7.33 7.22 7.54	SCA blue book 14 ISBN 0117514284	11/07/2018 11:00am 10/08/2018 10:00am 17/09/2018 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.

[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 08/02/2019

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 2018

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	10.9mg/l 14mg/l 17.7mg/l	SCA blue book 130 ISBN 0117522120	23/10/2018 10:00am 22/11/2018 09:30am 06/12/2018 11:00am	UKAS 1291	24.5 %
W1	Suspended solids	60mg/l	15mg/l 28mg/l 35mg/l	SCA blue book 105 ISBN 011751957X	23/10/2018 10:00am 22/11/2018 09:30am 06/12/2018 11:00am	UKAS 1291	12.1 %
W1	Ammoniacal Nitrogen (as N)	25mg/l	5mg/l 9mg/l 12mg/l	SCA blue book 48 ISBN 0117516139	23/10/2018 10:00am 22/11/2018 09:30am 06/12/2018 11:00am	UKAS 1291	4.8 %
W1	Daily effluent flow rate	300m ^{3}/day	220m^3/day 263.69 m^3/day 253.84m^3/day	To a relevant EN, BS, ISO standard as agreed in IC6	Daily average for October 2018 Daily average for November 2018 Daily average for December 2018	BS ISO 6817-1997	+/- 8%
W1	PH	6-10	7.57 6.84 6.84	SCA blue book 14 ISBN 0117514284	23/10/2018 10:00am 22/11/2018 09:30am 06/12/2018 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.
[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.
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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 08/02/2019

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	**53.81**	**0**
TOTAL WASTE	-	**53.81**	

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
2018	**0.617**	**53.81**	**0.0019**

Operator's comments : Total weight for lamb and beef production (after waste removal) = 28984.62 tonnes. Total waste produced = 54.43÷ 28984.62 = 0.0019 tonnes

Signed .... Date 08/02/2019
(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	66090.64 m^3	2.28m^3

Trends in Water Usage		
Year	Parameter	
	Mains Water (m^3)	Total Water Usage (m^3)
2009	30,555.1m^3	30,555.1m^3
2010	32801.0m^3	32801.0m^3
2011	44,888m^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
2016	61711.46m^3	61711.46m^3
2017	64987.36 m^3	64987.36 m^3
2018	66090.64 m^3	66090.64 m^3

Operator's comments :

Signed .....

(authorised to sign as representative of the Operator)

Date 08/02/2019

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	3744.8MWh	8987.52	1491.9
ULSD	5442.17 Litres		
Gas oil	17445.61 Litres		
Kerosene	221563 Litres		
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
2018	8987.52	1491.9	0.054

* 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 08/02/2019

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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 = 970680	**Weights include offal's, skins,petfood = 24761.96 tonnes**
Cattle Slaughtered = 11333	**Weights include offals, hides,petfood = 4222.66 tonnes**

Environmental Performance Indicators

Parameter	Annual Average	Units
Energy consumption per tonne of total product	0.31	MWh energy / t product
Waste disposal per tonne of total product	0.0018	t waste / t product
BOD	13 grammes	BOD/tonne

Trends in Environmental Performance				
Year				**Parameter**
	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)	(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**
2018	**2.28**	**0.31**	**0.0019**	**5.76mg/l**

Operator's comments : BOD Results = 69.2MG FOR 12 RESULTS ÷ 12= 5.76mg/l average
BOD 5.76÷1000 = 0.006X 2.20 = 0.013 X 1000 = 13

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

Date 08/02/2019