

Permit Reference Number : UP3237CP

Operator : Solway Foods Ltd

Installation : Rogerstone Park

Form Number : A1

Reporting of Emissions to Air for the period from Jan 1st 2018.....to....Dec 31st 2018

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
A1	NOx	-----	2.52 mg/m ³	BS EN 14792:2017	07/12/2018 11:35 – 14:34	UKAS/MCERTS	2%
A1	CO	-----	5.36 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	2%
A1	Particulates	-----	3.57 mg/m ³	BS EN 13284-1: 2002	07/12/2018 11:35 – 14:34	UKAS/MCERTS	7%
A2	NOx	-----	91.93 mg/m ³	BS EN 14792:2017	04/12/18 12:58 – 13:57	UKAS/MCERTS	2%
A2	CO	-----	9.14 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	4%
A2	Particulates	-----	0.61 mg/m ³	BS EN 13284-1: 2002	04/12/18 13:52 – 14:52	UKAS/MCERTS	87%
A3	NOx	-----	112.35 mg/m ³	BS EN 14792:2017	04/12/2018 10:55 – 11:54	UKAS/MCERTS	2%
A3	CO	-----	8.71 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	4%
A3	Particulates	-----	0.91 mg/m ³	BS EN 13284-1: 2002	04/12/2018 11:42 – 12:42	UKAS/MCERTS	41%
A4	NOx	-----	138.98 mg/m ³	BS EN 14792:2017	04/12/18 09:47 – 10:46	UKAS/MCERTS	2%
A4	CO	-----	7.91 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	4%
A4	Particulates	-----	0.40 mg/m ³	BS EN 13284-1: 2002	04/12/18 09:45 – 10:45	UKAS/MCERTS	87%
A5	NOx	-----	N/A				
A5	CO	-----	N/A				
A5	Particulates	-----	N/A				
A6	NOx	-----	4.63 mg/m ³	BS EN 14792:2017	05/12/18 11:26 – 12:25	UKAS/MCERTS	2%
A6	CO	-----	17.89 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	4%
A6	Particulates	-----	0.48 mg/m ³	BS EN 13284-1: 2002	06/12/17 12:15 – 13:15	UKAS/MCERTS	54%
A7	NOx	-----	5.65 mg/m ³	BS EN 14792:2017	05/12/2018 10:00 – 10:59	UKAS/MCERTS	2%
A7	CO	-----	25.65 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	4%
A7	Particulates	-----	1.13 mg/m ³	BS EN 13284-1: 2002	05/12/2018 09:50 – 10:52	UKAS/MCERTS	24%
A8 LHS	NOx	-----	291.62 mg/m ³	BS EN 14792:2017	03/12/2018 15:30 – 16:29	UKAS/MCERTS	2%
A8 LHS	CO	-----	64.35 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	3%
A8 LHS	Particulates	-----	14.05 mg/m ³	BS EN 13284-1: 2002	03/12/2018 15:32 – 16:34	UKAS/MCERTS	30%
A9	NOx	-----	226.61 mg/m ³	BS EN 14792:2017	03/12/2018 17:05 – 18:07	UKAS/MCERTS	2%
A9	CO	-----	102.11 mg/m ³	BS EN 15058:2017		UKAS/MCERTS	3%
A9	Particulates	-----	10.50 mg/m ³	BS EN 13284-1: 2002	03/12/2018 17:05 – 18:07	UKAS/MCERTS	91%

Operator's comments:

- [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. gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result 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.}*

Note – Emission Point A5 (Wanson Boiler) has been locked off and decommissioned.

Signed Robert Davies (Site Engineering Manager)
(authorised to sign as representative of the Operator)

Date: 31st January 2019

Permit Reference Number : UP3237CP

Operator : Solway Foods Ltd

Installation : Rogerstone Park

Form Number : R1

Reporting of Waste Disposal and Recovery for the year Jan 1st 2018.....to....Dec 31st 2018

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
General Waste	Off Site Waste – To- Energy	3333.3	333.3
Food Wastes (packed and loose food Cat 3 to AD Plant)	Off site - AD Plant	916.5	916.5
Category 3 waste unfit for human consumption non-haz. Waste (ETP /potato sludge)	AD Plant	12239.79	12239.79
Food Grade Oil (rapeseed)	Recycling	129.8	129.8
Other non-haz. wastes	Recycling	2,324.9	2324.9
Total non-haz. waste		18,944.29	18,944.29
Total Haz. Waste	Recovered	5.96	5.96
TOTAL WASTE	-	18950.25	18950.25

Trends in Waste Disposal and Recovery Year	Parameter		
	Total non hazardous waste	Total hazardous waste	Total waste per unit output
2011	15254	1.4	0.60
2012	13,324	3	0.58
2013	15366	5.33	0.59
2014	14564	2.9	0.54
2015	11010	2.6	0.42
2016	16444.8	6.2	0.58
2017	20,724	0	0.62
2018	18,944	5.9	0.60

Operator's comments :

All food wastes, are sent to an off site AD facility.

Production tonnage has increased significantly across the site, resulting in higher waste amounts.

Signed Robert Davies (Site Engineering Manager)
(authorised to sign as representative of the Operator)

Date: 31st January 2019

Permit Reference Number : UP3237CP

Operator : Solway Foods Ltd

Installation : Rogerstone Park

Form Number : WU1

Reporting of Water Usage for the year Jan 1st 2018.....to....Dec 31st 2018

Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water		
2011	558874	22.02
2012	501772	21.93
2013	579250	22.43
2014	625567	23.18
2015	576706	21.99
2016	620000	22.85
2017	780000	23.45
2018	756127	23.95

Operator's comments: Water Use is based on 95% return to sewer. The discharge water meter has MCERTS and is highly accurate. There have been some anomalies for water data on incoming meter.

Signed Robert Davies (Site Engineering Manager)

Date: 31st January 2019

(authorised to sign as representative of the Operator)

Permit Reference Number : UP3237CP

Operator : Solway Foods Ltd

Installation : Rogerstone Park

Form Number : E1

Reporting of Energy Usage for the year Jan 1st 2018.....to....Dec 31st 2018

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh (24,952)	59884	9946
Natural Gas	tonnes	74,540	14162
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Trends in Energy Usage Year	Parameter		CO ₂ per unit output
	Primary Energy usage	CO ₂ produced	
2011	124,600	22,275	0.88
2012	111,278	20,029	0.88
2013	119,543	21,477	0.83
2014	127,848	22,918	0.84
2015	131,66	23,581	0.89
2016	16565	30149	1.06
2017	14675	26481	0.80
2018	13442	24108	0.76

Operator's comments :

Co2 primary Electricity MWh *0.1661 = tonnes Co2

Co2 Natural gas MWh *0.19 = tonnes Co2

Signed Robert Davies (Site Engineering Manager)

(authorised to sign as representative of the Operator)

Date: 31st January 2019

Permit Reference Number : UP3237CP

Operator : Solway Foods Ltd

Installation : Rogerstone Park

Form Number : PI1

Reporting of Performance Indicators for the year Jan 1st 2018.....to....Dec 31st 2018

Annual Production/Treatment	
Production of frozen and chilled produce	tonnes
	31,568

Environmental Performance Indicators

Parameter	Annual Average	Units
Effluent discharged to sewer (748,647)	23.7	M3/tonnes
Water use	23.95	M3/tonnes
Non-hazardous waste	0.60	Tonne/Tonne
Hazardous waste	0.00018	Tonne/Tonne

Trends in Environmental Performance			
Year	Parameter	Water use	Non-hazardous waste
	Effluent discharged to sewer		Hazardous waste
2011	18.18	22.02	0.59
2012	18.71	21.93	0.58
2013	19.72	22.43	0.58
2014	20.82	23.20	0.54
2015	20.75	21.99	0.41
2016	21.56	22.85	0.58
2018	27.7	23.95	0.60

Operator's comments: 5.958 tonnes of hazardous waste disposed of (recovery option) offsite in 2018. Breakdown will be provided in PIEDC.

Signed Robert Davies (Site Engineering Manager)
(authorised to sign as representative of the Operator)

Date: 31st January 2019