

Permit Number: EPR/UP3237CP

Operator: Solway Foods Limited

Facility: RF Brookes

Form Number: Air1 / 25/03/2022

Reporting of emissions to air for the period from 01/01/2023 to 31/12/2023

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	10.35 mg/m ³	EN 14792	13/12/2023 14:10-15:10	2%
A1	Carbon Monoxide	No limit set	Periodic	16.08 mg/m ³	EN 15058 or CEN TS 17337		3%
A1	Particulates	No limit set	Periodic	0.45 mg/m ³	EN 13284-1		85%
A2	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	67.75 mg/m ³	EN 14792	12/12/2023 11:25-12:25	2%
A2	Carbon Monoxide	No limit set	Periodic	7.65 mg/m ³	EN 15058 or CEN TS 17337		2%
A2	Particulates	No limit set	Periodic	1.36 mg/m ³	EN 13284-1		85%
A3	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	90.19 mg/m ³	EN 14792	12/12/2023 13:00 -14:00	2%
A3	Carbon Monoxide	No limit set	Periodic	1.18 mg/m ³	EN 15058 or CEN TS 17337		2%
A3	Particulates	No limit set	Periodic	0.55 mg/m ³	EN 13284-1		85%

Emission Point	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	Substance / Parameter	Limit Value					
A4	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	137.36 mg/m ³	EN 14792	12/12/2023 14:40 – 15:40	2%
A4	Carbon Monoxide	No limit set	Periodic	1.55 mg/m ³	EN 15058		2%
A4	Particulates	No limit set	Periodic	0.55 mg/m ³	EN 13284-1		85%
A5	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	211.63 mg/m ³	EN 14792	12/12/2023 9:66 – 10:55	2%
A5	Carbon Monoxide	No limit set	Periodic	180.32 mg/m ³	EN 15058		2%
A5	Particulates	No limit set	Periodic	5.13 mg/m ³	EN 13284-1		86%
A6	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	No data	EN 14792	No data	No data
A6	Carbon Monoxide	No limit set	Periodic	No data	EN 15058		
A6	Particulates	No limit set	Periodic	No data	EN 13284-1		
A8	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	215.06 mg/m ³	EN 14792	11/12/2023 10:50 – 11:50	2%
A8	Carbon Monoxide	No limit set	Periodic	143.93 mg/m ³	EN 15058		2%
A8	Particulates	No limit set	Periodic	3.19 mg/m ³	EN 13284-1	11/12/2023 10:50 – 11:52	85%
A9	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	187.24 mg/m ³	EN 14792	13/12/2023 09:45 – 10:45	2%
A9	Carbon Monoxide	No limit set	Periodic	32.60 mg/m ³	EN 15058 or CEN TS 17337		2%
A9	Particulates	No limit set	Periodic	4.74 mg/m ³	EN 13284-1		86%

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A10	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/ m ³	In line with NRW TGN M5	86.03 mg/m ³	EN 14792	13/12/2023 9:45 – 10:45	2%
A10	Carbon Monoxide	No limit set	In line with NRW TGN M5	227.61 mg/m ³	EN 15058		2%
A10	Particulates	No limit set	In line with NRW TGN M5	0.30 mg/m ³	EN 13284-1		85%
A11	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set	Periodic	No data	EN 14792	No data	No data
A11	Carbon Monoxide	No limit set	Periodic	No data	EN 15058		
A11	Particulates	No limit set	Periodic	No data	EN 13284-1		

[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 Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example 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 uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed [REDACTED]
(Authorised to sign as representative of Operator)

Date 26/01/2024

Permit Number: EPR/UP3237CP

Operator:

Solway Foods Limited

Facility: RF Brookes

Form Number:

Sewer1 / 25/03/2022

Reporting of emissions to sewer for the period from 01/01/2023 to 31/12/2023

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
S1	Effluent Flow Rate	No Limit set	Continuous	1961 m3/day	Welsh Water/ MCERTS Meter	Fortnightly	
S1	Chemical Oxygen Demand (COD)	No Limit set	Spot Sample	620 (Highest 846, Lowest 446)	Chemical Oxygen Demand (dichromate Value) of Polluted and waste waters 1986 (2 nd Edition)	1 st Jan 23-31 st Dec 23	
S1	Suspended solids	No Limit set	Spot Sample	144.7 (Highest 374, Lowest 57)	Suspended, Settleable & total dissolved Solids in waters and effluents 1980	1 st Jan 23-31 st Dec 23	
S1	pH	No Limit set	Spot Sample	6.7	Welsh Water	Monthly	
S1	Cadmium and its compounds, expressed as cadmium (Total Cd)	0.01mg/litre	Spot Sample	0.00013 mg/L	Mass Balance Calculation	1 st Jan 23-31 st Dec 23	
S1	Mercury and its compounds, expressed as mercury (Total Hg)	0.0001 mg/litre	Spot Sample	0.000063 mg/L	Mass Balance Calculation	1 st Jan 23-31 st Dec 23	
S1	Cadmium and its compounds, expressed as cadmium (Total Cd)	2800 g/year	Spot Sample	5.1971 g/year	Mass Balance Calculation	1 st Jan 23-31 st Dec 23	

Emission							
Emission Point	Substance / Parameter	Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
S1	Mercury and its compounds, expressed as mercury (Total Hg)	330 g/year	Spot Sample	10.7835 g/year	Mass Balance Calculation	1 st Jan 23-31 st Dec 23	

- [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 Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example 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 uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed [REDACTED]
 (Authorised to sign as representative of Operator)

Date: 26/01/2024

Permit Number: EPR/UP3237CP

Operator:

Solway Foods Limited

Facility: RF Brookes

Form Number:

WaterUsage1 / 25/03/2022

Reporting of Water Usage for the year 2024

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water	825,739	33.21
Site borehole	N/A	
River abstraction	N/A	
	825,739	
TOTAL WATER USAGE		

Operator's comments: Water use has increased but the m3 per tonne of product looks unfavourably due to the reduction in production tonnage in 2023. The water use has also increased due to an improvement in our hygiene process that was introduced in order to reduce the risk of listeria growth. In addition, a water leak was identified near the incoming mains in December 2023. This has since been repaired

Signed [REDACTED]
(authorised to sign as representative of Operator)

Date: 26/01/2024

Permit Number: EPR/UP3237CP

Operator:

Solway Foods Limited

Facility: RF Brookes

Form Number:

Energy1 / 25/03/2022

Reporting of Energy Usage for the year 20XX

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	4,460.30 MWh	14,197	2,939
Natural Gas	121,100.75 MWh	121,100.75	22,040
Gas Oil	0 tonnes		
Recovered Fuel Oil	0 tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.6

Operator's comments :

Co2 primary Electricity MWh *0.207 = tonnes Co2

Co2 Natural gasMWh*0.182=tonnesCo2

Note – CO2 conversion factors updated from 2022 [Greenhouse gas reporting: conversion factors 2022 - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022)

Signed [Redacted]
(Authorised to sign as representative of Operator)

Date: 26/01/2024

Permit Number: EPR/UP3237CP

Operator:

Solway Foods Limited

Facility: RF Brookes

Form Number:

Performance1 / 25/03/2022

Reporting of other performance indicators for the period 01/01/2023 to 31/12/2023

Parameter	Units
Food/drink/milk products	24,862
Hazardous waste	0.00002 tonnes/tonne
Non hazardous waste	0.63 tonnes/tonne
Effluent discharged to sewer	28.7 m ³ /tonne

Operator's comments :

Signed [Redacted] (Divisional Environment Manager)
(Authorised to sign as representative of Operator)

Date: 26/01/2024