Permit Reference Number : WP3938SH

Operator : Wynnstay Group plc

Installation : Llansantffraid Mill

Form Number : A1

Reporting of Emissions to Air for the period from .....01/01/2019 to.....31/12/2019

Emission Point	Substance / Parameter	Emission Limit Value	Result [1]	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty [5]
A3	Particulate	50 mg/m^3[6]	4.02	EN 13284-1; CAT-TP_01	11/12/19 08:57 – 09:29	UKAS/MCERTS	+/- 1.10
A4	Particulate	90 mg/m^3[6]	3.53	EN 13284-1; CAT-TP_01	11/12/19 9:30 – 10:10	UKAS/MCERTS	+/- 0.83
A5	Particulate	50 mg/m^3[6]	3.44	EN 13284-1; CAT-TP_01	11/12/19 10:16 to 10:48	UKAS/MCERTS	+/- 0.85
A6	Particulate	35 mg/m^3[6]	1.20	EN 13284-1; CAT-TP_01	11/12/19 12:35 – 13:07	UKAS/MCERTS	+/- 0.80
A7	Particulate	Not applicable	1.35	EN 13284-1; CAT-TP_01	11/12/19 11:45 to 12:17	UKAS/MCERTS	+/- 1.00
The result for A7 is much reduced from last year as the old dust unit was worn and was replaced with a new unit in June 2019							

[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.}*

[6] The emission limit values for particulate are expressed as a maximum individual value.

Signed .....S. Davies..... S. Davies Date.....15/01/2020 (authorised to sign as representative of the Operator)

Permit Reference Number : WP3938SH

Operator : Wynnstay Group plc

Installation : Llansantffraid Mill

Form Number : R1

Reporting of Waste Disposal and Recovery for the year 2019

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Waste Description	Disposal		Recovery
	Route	Tonnes (t)	Tonnes (t)
1) Hazardous Wastes	recycled	0.049	
2) Non-Hazardous Wastes	recycled	41.411	
	Landfill	33.894	
TOTAL WASTE		75.354	

Trends in Waste Disposal and Recovery				
Year	Parameter			
	Hazardous Waste (t)	Non-Hazardous Waste (t)	Total Waste (t)	Waste per Unit Output (t/t)
2011		13.6	13.6	0.078×10^{-3}
2012		18.33	18.33	0.1069×10^{-3}
2013		19.06	19.06	0.1098×10^{-3}
2014		31.37	31.37	0.1839×10^{-3}
2015		29.11	29.11	0.165×10^{-3}
2016		21.615	21.615	0.130×10^{-3}
2017		24.93	24.93	0.134×10^{-3}
2018		54.457	54.457	0.262×10^{-3}
2019		75.305	73.354	0.396×10^{-3}

Operator's comments :

25 tonnes of landfill waste was from unblocking and cleaning the drainage system and had a high water content from jet cleaning. The increase in recycled waste is due to the inclusion of pallets and cardboard packaging associated with the tote bags and 20 kg bags used to pack feed which have previously not been included (11 tonnes). The hazardous waste is fluorescent tubes due to replacement with LEDs .

Signed .....S. Davies.....S. Davis..... Date.....15/01/2020

(authorised to sign as representative of the Operator)

Permit Reference Number : WP3938SH

Operator : Wynnstay Group plc

Installation : Llansantffraid Mill

Form Number : E1

Reporting of Energy Usage for the year .....2019.....

Energy Source	Energy Usage		CO_2 Produced (t)
	Quantity	Primary Energy (MWh)	
Electricity * (MWh)	6242549.80	14982.11952	6442.311
Gas Oil (litres)	259495	2750.647	687.662
TOTAL		17732.767	7129.973

* Conversion factor for delivered electricity to primary energy = 2.4

Trends in Energy Usage			
Year	Parameter		
	Primary Energy Usage (MWh)	CO_2 Produced (t)	CO_2 per Unit Output (t/t)
2011	19435.42	7815.145	0.0448
2012	18741.13	7511.293	0.0438
2013	18643.66	7474.341	0.0430
2014	18481.132	7447.975	0.0437
2015	18572.451	7453.774	0.0422
2016	17228.550	6890.380	0.0413
2017	19080.538	7650.383	0.0412
2018	20146.720	8034.921	0.0387
2019	17732.767	7129.973	0.0374

Operator's comments :
Increased energy usage as higher annual production caused by increased demand due to dry summer weather. Improved energy efficiency due to installation of additional poultry mash bins.

Signed S. Davies .....S. Davies..... Date...15/01/2020
(authorised to sign as representative of the Operator)

Permit Reference Number : WP3938SH

Operator : Wynnstay Group plc

Installation : Llansantffraid Mill

Form Number : WU1

Reporting of Water Usage for the year 2019

Water Source	Usage (m^3)	Specific Usage (m^3/t)
Mains Water	8749	
TOTAL WATER USAGE	8749	

Trends in Water Usage			
Year	Parameter		
	Mains Water (m^3)	Total Water Usage (m^3)	Water per Unit Output (m^3/t)
2011	10831	10831	0.06215
2012	8551	8551	0.04989
2013	7199	7199	0.04146
2014	7000	7000	0.04105
2015	*7272*	*7272*	*0.04116*
2016	*8410*	*8410*	*0.05393*
2017	*8102*	*8102*	*0.04359*
2018	*8152*	*8152*	*0.03929*
2019	*8749*	*9749*	*0.04594*

Operator's comments :

Signed .....S. Davies..... S. Davies

(authorised to sign as representative of the Operator)

Date.....15/01/2020.....

Permit Reference Number : WP3938SH

Operator : Wynnstay Group plc

Installation : Llansantffraid Mill

Form Number : PI1

Reporting of Performance Indicators for the year 2019

Annual Production/Treatment	
Production of animal feeds	190429.19 Tonnes (t)

Environmental Performance Indicators

Parameter	Annual Average	Units
Potable water use	8749	m^3
Waste production	75.354	t
Energy consumption	17732.767	MWh

Trends in Environmental Performance			
Year	Parameter		
	Potable Water Use per Unit Product (m^3 water / t product)	Waste Production per Unit Product (t waste / t product)	Energy Consumption per Unit Product (MWh energy / t product)
2011	0.06215	0.078×10^{-3}	0.111526
2012	0.04989	0.1069×10^{-3}	0.109340
2013	0.04146	0.1098×10^{-3}	0.107377
2014	0.04105	0.1839×10^{-3}	0.108367
2015	0.04116	0.165×10^{-3}	0.105134
2016	0.05393	0.130×10^{-3}	0.103236
2017	0.04359	0.134×10^{-3}	0.102665
2018	0.03929	0.262×10^{-3}	0.097106
2019	*0.04594*	0.3957×10^{-3}	0.093120

Operator's comments :

Signed .....S. Davies..... S. Davies .....

(authorised to sign as representative of the Operator)

Date.....15/01/2020