

Permit Reference Number: **BV9667IV**

Operator: **ForFarmers UK Limited**

Installation: **Carmarthen Animal Feed Mill**

Form Number: **A1**

Reporting of Emissions to Air for the period from1st Jan 2020.....to.....31st Dec 2020.....

Emission Point	Substance / Parameter	Emission Limit Value	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Accreditation/ Certification ^[4]	Uncertainty ^[5]
A1	Particulate matter	50 mg/m ³	1.91	EN 13284-1	03.09.20 & 04.09.2020 12.36-13.06	UKAS MCERTS	+/- 2.83
A2	Particulate matter	50 mg/m ³	38.1	EN 13284-1	03.09.20 & 04.09.20 9.05-9.35	UKAS MCERTS	+/- 11.7
A3	Particulate matter	50 mg/m ³	1.67	EN 13284-1	03.09.20 & 04.09.20 10.34-10.50 and 10.51-11.17	UKAS MCERTS	+/- 3.6
A4	Particulate matter	50 mg/m ³	1.46	EN 13284-1	03.09.20 & 04.09.20 11.32-11.48 and 11.49-12.04	UKAS MCERTS	+/- 3.08

[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.

Signed: Jeff Davies
(Authorised to sign as representative of the Operator)

Date: 31.01.2021

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Installation: **Carmarthen Animal Feed Mill**

Form Number: **R1**

Reporting of Waste Disposal and Recovery for the year2020.....

Waste Description	Disposal		Recovery
	Route	Tonnes	Tonnes
1) Hazardous Wastes	R13		47.916
	R4		
	R9		
Total hazardous waste		0	47.916
2) Non-Hazardous Wastes	R4		46.74
	R3		176.75
	R13		48.96
	R5		6.58
	D1	0.3	
			0.183
Total non-hazardous waste		0.3	279.213
TOTAL WASTE		0.3	327.129
Reprocessed production waste			1,924

Trends in Waste Disposal and Recovery			
Year	Parameter		
	Total Waste (tonne)	Hazardous Waste (tonnes)	Reprocessed Production Waste (tonnes)
2005	116	1.16	2105
2006	115.13	1.681	2082
2007	139.153	1.191	1639
2008	145.44	0.934	1727
2009	148.604	0.224	2071
2010	141.526	0.906	1952
2011	182.314	0.854	1889
2012	151.507	2.967	1537
2013	169.554	1.224	1932
2014	190.84	0.664	1865
2015	229.174	10.344	1720
2016	298.81	28.44	2047
2017	235.90	35.53	1907
2018	359.65	60.08	2032
2019	292.84	46.508	2429
2020	327.129	47.916	1,924

Operator's comments:

Hazardous R13 = Paint & varnish, Mineral Based oils, Engineering Oils, Bund Waste, Waste Fuel Oils, Waste organic solvents/refrigerants & foam aerosol propellants, Premix Sacks, Oily rags, Electrical waste, Out of date premix, Batteries & Accumulators

Non hazardous D1 = General Waste, R13 = Washings, General Waste, R3 = Waste Feed, Pallets, DMR, Confidential waste, R4 Waste metals

Major boiler replacement project created more waste during 2020

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Installation: **Carmarthen Animal Feed Mill**

Form Number: **E1**

Reporting of Energy Usage for the year2020.....

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity Used (MWh)	Primary Energy (MWh)	
Electricity *	5,328	13,853	2,773
Medium Fuel Oil	1,740	1,740	466
Gas oil	583	583	162
TOTAL	7,651	16,176	3,402

Trends in Energy Usage			
Year	Parameter		
	Primary Energy usage (MWh)	CO ₂ Produced (tonnes)	CO ₂ per tonne product (tonnes/tonne)
2005			
2006	17064	3102	0.0296
2007	15160	2764	0.0306
2008	16478	2958	0.0303
2009	16684	3010	0.0294
2010	17013	3056	0.0299
2011	15409	2767	0.0299
2012	15464	2773	0.0281
2013	17108	3611	*0.0306
2014	16806	3557	0.0312
2015	15696	3323	0.0305
2016	16093	3424	0.0299
2017	14762	3138	0.0311
2018	15834	3327	0.029
2019	17429	3675	0.0288
2020	16,176	3,402	0.0294

* Conversion factor for delivered electricity to primary energy = 2.6

Operator's comments : *
 Medium fuel oil conversion 11.3
 Standby boiler Oct/Dec 20 using gas oil whilst gas boiler installed. MFO tank removed from site

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 (Authorised to sign as representative of the Operator)

Date: 31.01.2021

