

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 2021.....to.....31st Dec 2021.....

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	1.7	EN 13284-1	11.45-12.15 12.16-12.46	UKAS MCERTS	+/-2.5
A2	Particulate matter	50 mg/m ³	5.2	EN 13284-1	10.37-11.07 11.07-11.37	UKAS MCERTS	+/- 2.2
A3	Particulate matter	50 mg/m ³	1.4	EN 13284-1	09.55-10.10 10.11-10.26	UKAS MCERTS	+/- 1.8
A4	Particulate matter	50 mg/m ³	1.7	EN 13284-1	09.10-09.25 09.26-9.41	UKAS MCERTS	+/-1.9

[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: 24.01.22

Permit Reference Number: **BV9667IV**

Operator: **ForFarmers UK Limited**

Installation: **Carmarthen Animal Feed Mill**

Form Number: **R1**

Reporting of Waste Disposal and Recovery for the year2021.....

Waste Description	Disposal		Recovery
	Route	Tonnes	Tonnes
1) Hazardous Wastes	R13		22.369
	R4		
	R9		
Total hazardous waste		0	22.369
2) Non-Hazardous Wastes	R4		12.68
	R3		120.513
	R13		49.9
	R5		
	D5	0	
Total non-hazardous waste		0	183.093
TOTAL WASTE		0	205.462
Reprocessed production waste			1685

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
2021	205.462	22.369	1,685

Operator's comments:

Non Hazardous R13 = Washings, General Waste, R3 = Waste Feed, Pallets, DMR, Confidential Waste, R4 = Waste Metals

Hazardous R13 = Solvent Parts washer, mineral based oil, bund waste, interceptor waste, oily rags, out of date premix, aerosols, batteries, WEEE, Ribbons, Paint, Premix LEV filters

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Installation: **Carmarthen Animal Feed Mill**

Form Number: **WU1**

Reporting of Water Usage for the year2021.....

Water Source	Usage (m ³)	Specific Usage (m ³ /tonne product)
Mains water (potable)	5,329	0.048
Non potable	138	0.0012
TOTAL WATER USAGE	5,467	0.049

Trends in Water Usage			
Year	Parameter		
	Total Water usage (m ³)	Specific Usage (m ³ /tonne product)	
2005			
2006			
2007			
2008			
2009	4916	0.048	
2010	4817	0.047	
2011	4718	0.051	
2012	4661	0.047	
2013	6024	0.051	
2014	6251	0.055	
2015	5830	0.053	
2016	6198	0.054	
2017	5154	0.051	
2018	5503	0.048	
2019	6531	0.051	
2020	5,737	0.0496	
2021	5,467	0.049	

Operator's comments :

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Date: 24.01.22

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Operator: **ForFarmers UK Limited**

Installation: **Carmarthen Animal Feed Mill**

Form Number: **E1**

Reporting of Energy Usage for the year2021.....

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity Used (MWh)	Primary Energy (MWh)	
Electricity *	4,881	12,692	2,541
Gas	2,560	2,560	474
MFO Oil	11	11	3
TOTAL	7,452	15,262	3,017

* Conversion factor for delivered electricity to primary energy = 2.6

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
2021	15,262	3,017	0.0271

Operator's comments : *

Medium Fuel Oil boiler converted to Natural Gas Jan 21

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Form Number: **PI1**

Reporting of Performance Indicators for the year2021.....

Annual Production/Treatment	
Production of compound animal feed products	111,465 tonnes

Environmental Performance Indicators [EPIs]

Parameter	Annual Average	Units
Specific Energy Consumption per tonne product	0.137	MWh/tonne

Trends in Environmental Performance			
Year	Parameter		
	SEC per tonne product (MWh/tonne)	Waste Hazard Score	Waste Disposal Score
2005			
2006			
2007			
2008			
2009	0.163		
2010	0.166		
2011	0.167		
2012	0.157		
2013	0.145		
2014	0.148		
2015	0.143		
2016	0.139		
2017	0.146		
2018	0.140		
2019	0.137		
2020	0.139		
2021	0.137		

Operator's comments:

We have noticed that previous figures were primary MWh/tonne so have continued reporting this way.

Signed: Jeff Davies

Date: 24.01.22