

Reporting of Monitoring and Performance Data

Permit Reference Number : BX6421Y

Operator : REHAU Ltd , Amlwch

Installation : Amlwch Plastics Installation

Form Number : A1

Reporting of Emissions to Air for the period from 01.07.17 to 31.12.17

Emission Point	Substance/Parameter	Emission Limit Value	Test Method [2]	Result (mg/m ³) [1]	Sample date and time [3]	Accreditation / Certification [4]	Uncertainty [5]	Number of breaches of limit over period [6]
A1	Lead	2mg/m3	BS EN 14385	0.0001	03.08.17	MCERTS	0.00003	0
A1	Particulate	20mg/m3	BS EN 13284-1	4.06	03.08.17	MCERTS	0.61	0

[1] Where only one measurement is required for a specific substance/parameter over the reporting period, the value should be entered in this column.

[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. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation shall be as agreed according to condition 2.10.7, and shall apply 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.

[6] The number of breaches is intended as a summary only and is in addition to the operators need to notify these to the Agency according to the conditions in Section 5 of the permit.

Signed :  (authorised to sign as representative of the Operator)

Date : 17.01.19

Date: 01/2006

Performance of Monitoring and Performance Data

Permit Reference Number : BX6421IY

Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : E1

Reporting of Energy Usage for the Year 2017

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	CO ₂ Produced (Tonnes)
Electricity*	4334	11268.4	1909.994
Natural Gas*	2273	2273	431.87
TOTAL		13541.4	2341.864

Trends in Energy Usage		
Year	Parameter	CO ₂ Produced (Tonnes)
2008	Primary Energy usage (MWh)	16324
2009		14892
2010		15092
2011		14341.4
2012		14326.2
2013		15565
2013		15565
2015		13852.2
2016		12319.2

* Conversion factor for delivered electricity to primary energy = 2.6

* CO2 Conversion factor for primary electricity = 0.1695

* CO2 Conversion factor for primary natural gas = 0.19

* CO2 Conversion factor for primary gas oil = 0.25

Operator's comments:- During 2017 there was a 14.5% increase in Production. The Natural Gas is used for the Regenerative Thermal Oxidiser under the LAPPCC Permit with Isle of Anglesey County Council and for Factory Heating.

Signed : _____
(authorised to sign as representative of the Operator)

Date : 17.01.19

Reporting of Monitoring and Performance Data

Permit Reference Number : BX64211Y

Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : R1

Reporting of Waste Disposal and Recovery for the Year 2017

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
Various mixing materials, oils & Thinners / paint waste	Land	0	47.57
2) Non-Hazardous Waste			
General Waste	Land	27.92	
PVC Head Waste, Bag filter & CVS waste (zero Pb stabiliser)	Recovery		73.56
TOTAL WASTE		27.92	121.13

Year	Trends in Waste Disposal and Recovery			
	Plasticiser Waste	Bag filter waste containing Pb stabiliser	Total Non hazardous waste (te)	Total Hazardous Waste(te)
2005	0	7	433	440
2006	0	6	336.9	343
2007	1.8	32	465	497
2008	4.1	138	323.25	465.35
2009	0.6	25	121	146.6
2010	0	0	79	0
2011	0	0	73.154	0
2012	0.82	0	56.842	0
2013	0	0	69.57	0
2014	0	0	61.8	0
2015	0	0	129.01	14.4
2016	0	0	98.26	66.03

Operator's Comments:- Every Production process inevitably generates some waste. Our aim is to produce as little waste as possible AND to be environmentally aware of where the waste goes and what becomes of it.
Our Waste Carriers and Disposers are all properly licensed by the relevant Authorities.

Signed:  (authorised to sign as representative of the Operator)

Date: 11.01.19

Date: 01/2006

Reporting of Monitoring and Performance Data

Permit Reference Number : BX64211Y

Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : PI1

Reporting of Performance Indicators for the Year : 2017

Table PI1(a): Reporting of Annual Production/Treatment	
None Required	

Environmental Performance Indicators		
Parameter	Usage (tonne/tonne)(on annual basis)	Trends in Environmental Performance Lead stabiliser usage per unit production(uPVC) - (te/te on an annual basis)
Lead	0	Year
		2006 0.01
		2007 0.01
		2008 0.007
		2009 0.015
		2010 0.015
		2011 0.016
		2012 0.016
		2013 0.014
		2014 0.0063
		2015 0.000041
		2016 0

Operator's comments :- The site has not used any lead during 2017 or 2016. All articles have been converted from using lead to calcium zinc as the stabiliser.

There is no lead stabiliser on site

Signed : M. J. Jones Date: 19.04.18
(authorised to sign as representative of the Operator)

Date: 01/2006