

Reporting of Monitoring and Performance Data

Permit Reference Number : BX64211Y

Operator : REHAU Ltd , Amlwch

Installation : Amlwch Plastics Installation

Form Number : A1

Reporting of Emissions to Air for the period from 01.07.16 to 31.12.16

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/m ³	BS EN 14385	0.0003	21.07.16	MCERTS	0.00002	0
A1	Particulate	20mg/m ³	BS EN 13284-1	0.20	21.07.16	MCERTS	0.47	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 : Nelle Jones
(authorised to sign as representative of the Operator)

Date: 01/2006

Date : 28.04.17

Performance of Monitoring and Performance Data

Permit Reference Number : BX64211Y

Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : E1

Reporting of Energy Usage for the Year 2016

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	CO ₂ Produced (Tonnes)
Electricity*	3957	10288.2	1743.85
Natural Gas*	2031	2031	385.89
TOTAL		12319.2	2129.74

Year	Trends in Energy Usage	
	Parameter	CO ₂ Produced (Tonnes)
	Primary Energy usage (MWh)	
2007	14847	2497.4
2008	16324	2557.14
2009	14892	2514.02
2010	15092	2515.77
2011	14341.4	2455.89
2012	14326.2	2496.71
2013	15565	2673.794
2014	17583	3037.889
2015	13852.2	2383.433

- * 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 2016 there was a 19% decrease in Production. The Natural Gas is used for the Regenerative Thermal Oxidiser under the LAPPC Permit with Isle of Anglesey County Council and for Factory Heating.

Signed :  Date : 28.04.17
(authorised to sign as representative of the Operator)

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 2016

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes Various mixing materials, including those containing Pb stabiliser & Thinners / paint	Land	0	66.028
2) Non-Hazardous Waste General Waste	Land	21.85	
PVC Head Waste, Bag filler & CVS waste containing Pb stabiliser	Recovery		76.409
TOTAL WASTE		21.85	142.437

Trends in Waste Disposal and Recovery				
Year	Parameter			
	Plasticiser Waste	Bag filter waste containing Pb stabiliser	Total hazardous Non waste (te)	Total Hazardous Waste(te)
2005		7	433	440
2006		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	
2011			73.154	
2012	0.82		56.842	
2013	0	0	69.57	
2014	0	0	61.8	
2015	0	0	129.01	

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 : 28.04.17

Date: 01/2006

Reporting of Monitoring and Performance Data

Permit Reference Number : BX64211Y

Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : P11

Reporting of Performance Indicators for the Year : 2016

Table P11(a): Reporting of Annual Production/Treatment	
None Required	

Environmental Performance Indicators		
Parameter	Usage (tonne/tonne)(on annual basis)	Trends in Environmental Performance
		Year
Lead	0	Lead stabiliser usage per unit production(uPVC) - (te/te on an annual basis)
		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

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

Signed : Mark 13
(authorised to sign as representative of the Operator)

Date: 28.04.17