

## Reporting of Monitoring and Performance Data

Permit Reference Number : BX6421IY

Operator : REHAU Ltd , Amlwch


Installation : Amlwch Plastics Installation

Form Number : A1

### Reporting of Emissions to Air for the period from 01.01.19 to 31.12.20

Emission Point	Substance/Parameter	Emission Limit Value	Test Method <sup>[2]</sup>	Result (mg/m <sup>3</sup> ) <sup>[1]</sup>	Sample date and time <sup>[3]</sup>	Accreditation / Certification <sup>[4]</sup>	Uncertainty <sup>[5]</sup>	Number of breaches of limit over
A1	Lead	2mg/m3	BS EN 14385					
A1	Particulate	10mg/m3	BS EN 13284-1					
No monitoring took place during 2019. This had been agreed by Julia Frost from NRW via a telephone call with Gareth Jones of Amlwch on the 20/06/19								

- [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 : 30.03.20

Date: 01/2006

## Reporting of Monitoring and Performance Data

Permit Reference Number : BX6421IY

Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : R1

### Reporting of Waste Disposal and Recovery for the Year 2019

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
Various mixing materials, oils & Thinners / paint waste	Land	0.72	16.94
2) Non-Hazardous Waste			
General Waste	Land	31.2	
PVC Head Waste, Bag filter & CVS waste (zero Pb stabiliser)	Recovery		213.45
<b>TOTAL WASTE</b>		<b>31.92</b>	<b>230.39</b>

Trends in Waste Disposal and Recovery				
Year	Parameter			
	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
2017	0	0	73.56	47.57
2018	0	0	182.67	12.18

**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.

REHAU closed the site on the 31/12/19.

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

Date : 30.03.20

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 2019

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	CO <sub>2</sub> Produced (Tonnes)
Electricity*	2734	7108.40	1204.874
Natural Gas*	1869	1869.00	355.110
<b>TOTAL</b>		8977.40	1559.984

Trends in Energy Usage		
Year	Parameter	
	Primary Energy usage (MWh)	CO <sub>2</sub> Produced (Tonnes)
2008	16324.00	2557.140
2009	14892.00	2514.020
2010	15092.00	2515.770
2011	14341.40	2455.890
2012	14326.20	2496.710
2013	15565.00	2673.794
2013	15565.00	2673.794
2015	13852.20	2383.433
2016	12319.20	2129.740
2017	13541.40	2341.864
2018	12826.80	2219.468

\* Conversion factor for delivered electricity to primary energy = 2.6

\* CO<sub>2</sub> Conversion factor for primary electricity = 0.1695


\* CO<sub>2</sub> Conversion factor for primary natural gas = 0.19

\* CO<sub>2</sub> Conversion factor for primary gas oil = 0.25

**Operator's comments:-** During 2019 there was a 41% decrease in production tonnage. This was due to the site gradually ramping down production as per the site closure plan. REHAU closed the site on the 31/12/19.

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 :

  
(authorised to sign as representative of the Operator)

Date : 30.03.20

## 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 : 2019

TablePI1(a): Reporting of Annual Production/Treatment	
None Required	

Environmental Performance Indicators					
Parameter	Usage (tonne/tonne)(on annual basis)		Trends in Environmental Performance		
			Year	Lead stabiliser usage per unit production(uPVC) - (te/te on an annual basis)	
Lead	0			t/t uPVC Product	
			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	
			2017	0	
			2018	0	

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

**REHAU closed the site on the 31/12/19.**

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

Date: 30.03.20