

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 2013

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
Bag filter waste containing Pb stabiliser	Land	0	
Plasticiser Waste	Incineration	0	
2) Non-Hazardous Waste			
General Waste	Land	6.5	13.2
Bag filter & CVS waste containing Pb stabiliser	Recovery		49.87
TOTAL WASTE		6.5	63.07

Trends in Waste Disposal and Recovery			
Year	Parameter	Total hazardous Non waste (te)	Total Hazardous Waste(te)
2005	Plasticiser Waste	7	433
	Bag filter waste containing Pb stabiliser		440
2006		6	343
2007		1.8	32
2008		4.1	138
2009		0.6	25
2010		0	0
2011			79
2012		0.82	73.154
			56.842

Operator's Comments:- The bag filter waste as lead based PVC Compound from the extractor and CVS system were removed as a free waste stream to World Wide Polymers Ltd , Bolton .General waste is slightly higher than in 2012 , but we are now streaming the majority into a recovery stream . Our waste champions are actively looking at the prevention of waste as well.

Signed :

(authorised to sign as representative of the Operator)

Date : 24.02.14

Date: 01/2006

CHECKED VS AUTHORIZATION

TRACING

OK FOR PUBLIC RELEASE

WASTE REPORTING SYSTEM

INITIALS DATE

AC	11.3.14
JB	26.2.14
AC	11.3.14
JB	EDM



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Form Number : P11

Reporting of Performance Indicators for the Year : 2013

Table P1(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	0.014	Year
		2006 0.01
		2007 0.01
		2008 0.007
		2009 0.015
		2010 0.015
		2011 0.016
		2012 0.016

Operator's comments :- During 2013 we used 21.3 tonnes tonnes of lead based stabiliser ,which was higher than last year due to an increase in Tambour Production. Our Tambour Roller shutter is the only one major article using lead stabiliser and the majority of our articles have been converted to Ca/Zn stabiliser during 2013 . Only a few Articles in lead based stabiliser presently remain and will be converted by the end of 2014 .

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Date: 24.02.14

Date: 01/2006

Performance of Monitoring and Performance Data

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Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : E1

Reporting of Energy Usage for the Year 2013

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	CO ₂ Produced (Tonnes)
Electricity*	5320	13832	2344.524
Natural Gas*	1733	1733	329.27
TOTAL		15565	2673.794

Trends in Energy Usage		
Year	Parameter	CO ₂ Produced (Tonnes)
	Primary Energy usage (MWh)	
2006	12192	2366.97
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

- * 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:- In 2013 we had an increase in Production, but KWH/kg Production was 1.16kwh/kg compared to 2012 ie 1.14kwh/kg Production. During 2014 we are planning further energy saving improvements in relation to power factor correction, blast cooling on chilled water and timers on paint stirrers. The Natural Gas is used for the Regenerative Thermal Oxidiser under the LAPP Permit with Isle of Anglesey County Council and for Factory Heating.

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Date : 24.02.14

Date: 01/2006

Performance of Monitoring and Performance Data

Permit Reference Number : BX64211Y

Operator : REHAU Ltd, Amlwch

Installation : Amlwch Plastics Installation

Form Number : WU1

Reporting of Water Usage for the Year 2013

Water Source	Usage (m³)
Mains water	1696

Trends in Water Usage Year	Mains Water Parameter
2007	11457
2008	12412
2009	5200
2010	2989
2011	2509
2012	2525

Operator's comments: Ongoing improvement in water usage

Signed :

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Date : 24.02.14