

Permit Reference Number : BX94551F

Operator : Hydro Aluminium Extrusion Limited

Installation : Hydro Aluminium Extrusion, Bedwas Plant

Form Number : E1

Reporting of Energy Usage for the year 2015

Energy Usage			
Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	tonnes	6044	1003
Gas Oil	tonnes	1484	282
Heavy Fuel Oil	tonnes		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Trends in Energy Usage			
Year	Parameter	Primary Energy usage	CO ₂ produced
2011		32077	5512
2012		29515	5038
2013		27689	4735
2014		1242	131
2015		7508	1285

Operator's comments :

No production activities on site during 2015.
Some assembly activities and use of ageing oven.

Signed Ritu Greening
(authorised to sign as representative of the Operator)

Date 12/02/16

Permit Reference Number : BX94551F

Operator : Hydro Aluminium Extrusion Limited

Installation : Hydro Aluminium Extrusion, Bedwas Plant

Form Number : WU1

Reporting of Water Usage for the year 2015

Water Usage		
Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water	3975	
Site borehole	None	
River abstraction	None	
TOTAL WATER USAGE		

Trends in Water Usage			
Year	Parameter	m ³	
	Named		Total
	Water source		Water usage
2011	39136		
2012	33932		
2013	36379		
2014	3270		
2015	3975		

Operator's comments :

No production activities in 2015.
Some assembly activities and agency workers using facilities

Signed Ruth Greening

(authorised to sign as representative of the Operator)

Date 12/02/16

Permit Reference Number : BX94551F

Operator : Hydro Aluminium Extrusion Limited

Installation : Hydro Aluminium Extrusion, Bedwas Plant

Form Number : R1

Reporting of Waste Disposal and Recovery for the year 2015

Waste Disposal & Recovery			
Waste Description	Disposal		Recovery
	Route	Tonnes	Tonnes
1) Hazardous Wastes			
Named haz. Waste	None	0	
Other hazardous wastes	None	0	
Total hazardous waste			
2) Non-Hazardous Wastes			
Named non-haz. Waste	landfilled	261.32	
Other non-hazardous wastes	recycled.	5.37	
Total non-hazardous waste			
TOTAL WASTE	-		

Trends in Waste Disposal and Recovery			
Year	Parameter	Named Waste	Total Waste
2011			366
2012			379.6
2013			378.81
2014			223.14
2015			266.69

Operator's comments :

See overleaf for waste streams and volumes.
Some assembly activities on site, mainly site clearing and machine decommissioning.

Signed Ruth Greening,
(authorised to sign as representative of the Operator)

Date 12/02/16

Non- Hazardous

15 01 01	Cardboard / Paper .	2.07 tonnes
20 03 01	General waste	261.32 tonnes
15 01 03	wood .	0.38 tonnes
15 01 02	Plastic	0.92 tonnes

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Operator : Hydro Aluminium Extrusion Limited

Installation : Hydro Aluminium Extrusion, Bedwas Plant

Form Number : S1

Reporting of Emissions to Sewer for the period from 01/01/15 to 31/12/15

Emissions to Sewer						
Emission Point	Substance / Parameter	Emission Limit Value	Result [1]	Test Method [2]	Sample Date and Times [3]	Accreditation/Certification [4]
S1	Aluminium	Not applicable		ISBN 0117534444		UKAS 1314
S1	Cadmium and its compounds	0.01 mg/l [6]		ISBN 0117534444		UKAS 1314
S1	Cadmium and its compounds	0.01 kg/year [7]		ISBN 0117534444		UKAS 1314
S1	Chromium (total)	1.0 mg/l [6]		ISBN 0117534444		UKAS 1314
S1	Copper	1.0 mg/l [6]		ISBN 0117534444		UKAS 1314
S1	Lead	1.0 mg/l [6]		ISBN 0117534444		UKAS 1314
S1	Mercury and its compounds	0.005 mg/l [6]		ISBN 0117519073		UKAS 1314
S1	Mercury and its compounds	0.02 kg/year [7]		ISBN 0117519073		UKAS 1314
S1	Nickel	1.0 mg/l [6]		ISBN 0117534444		UKAS 1314
S1	Zinc	2.0 mg/l [6]		ISBN 0117534444		UKAS 1314
S1	pH	Not less than 6 and not greater than 11		ISBN 0117514084		UKAS 1314
S1	Flow	Not applicable				

[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. 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, 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.

[6] The emission limit values for cadmium and its compounds, chromium, copper, lead, mercury and its compounds, nickel and zinc are expressed as a maximum individual value.

[7] The emission limit values for cadmium and its compounds and mercury and its compounds are expressed as a maximum annual value.

Signed Ruth Greening Date 12/02/16
(authorised to sign as representative of the Operator)

