

Operator: Befesa Salt Slags Ltd

Form Number: R1

Reporting of Waste Disposal and Recovery for the year2014

Waste Description	Disposal		Recovered / Recycled
	Route	Tonnes	
Wastes:			
Hazardous waste	Recovery	1.75	1.75
Non-Hazardous waste	Landfill	8893.64	
Non-Hazardous waste (paper/card)	Recycle	24.450	24.450
Sewerage Waste	Treatment disposal	23.5	
TOTAL WASTE		8943.34	

Year	Parameter		
	Total Waste Disposal	Hazardous Waste Disposal	Total Waste Recovered / Recycled
2008	16,976	1.65 tonnes	3,793 tonnes
2009	456	1 ton	1 ton
2010	96.61	1.23 tonnes	1.83 tonnes
2011	108.97	6.91 tonnes	12.0 tonnes
2012	56970.175	3,062 tonnes	24,328 tonnes
2013	37674.398	0,808 tonnes	21,808 tones
2014	8943.34	1.75 tonnes	26.2 tonnes

Haz waste = oils and lubricants disposed for recycling and WEE waste materials	
Non Haz waste Landfill: general site wastes.	
Paper card recycling estimated:	
Sewerage waste: estimated	

(Authorised to sign as representative of the Operator)

Date: 27/01/2015

Operator: Befesa Salt Slags Ltd

30 June 2006

RECEIVED
12 FEB 1971

ACQUISITION RETURNS

INITIALS DATE

CHECKED VS AUTHORIZATION

PK 262-15

PACKING

JB 3-2-15

OK FOR PUBLIC HEALTH USE

26.6.15

THE UNIVERSITY OF CHICAGO

11

Installation: **Whitchurch Salt Slags**

Form Number: **WU1**

Reporting of Water Usage for the year2014.....

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /year)
Mains water	25429	Process
Surface water	46714	Process
TOTAL WATER USAGE	72143	Process

Trends in Water Usage		
Year	Parameter	
	Total Water usage (m ³ /year)	Specific Usage (m ³ /year)/tonne production Aluminium Oxide
2010	40906	1.09
2011	77919	1.18
2012	79858	1.16
2013	84812	1.29
2014	72143	1.06

Operator's comments :

Water usage would be better reported per ton of materials processed as this is a constant dry weight figure when reporting against aluminium oxide depends on the actual moisture of the material produced and this varies and so distorts reporting of water usage figures.

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

Date: 27/01/2015

30 June 2006

Permit Reference Number: VP3030BX

Operator: Befesa Salt Slags Ltd

Installation: Whitchurch Salt Slags

Form Number: P11

Reporting of Performance Indicators for the year2014.....

<i>Annual Production/Treatment</i>	
Annual Production of Aluminium oxide.	67,533 Tonnes
Annual amount of stored salt slag processed.	55,204 Tonnes
Amount of Spent Pot Liner processed.	5,580 Cut 1 Tonnes
	11,289 Cut 2 Tonnes

Environmental Performance Indicators

Parameter	Quantity	Units	Trends			
			Year	Parameter	Total Energy usage (MWh) per tonne of production	Total water use per tonne of production
Total Waste produced per tonne of production ⁽¹⁾	0.132	tonnes		Total Waste produced per tonne of production		
Total Energy usage (MWh) per tonne of production ⁽¹⁾	0.56	MWh				
Total water use per tonne of production ⁽¹⁾	1.06	m3	2012	0.828	0.10	1.16 m3
			2013	0.576	0.58	1.29 m3
			2014	0.132	0.56	1.06 m3

Note (1): of Aluminium Oxide.

Operator's comments :

Energy, Waste, Water usage would be better reported over tonnes of material processed as this is a constant dry weight figure and would be a more accurate reflection of energy used.

Total Energy usage per tonne of production is based on Electricity MWh received.

Signed



(Authorised to sign as representative of the Operator)

Date: 27/01/2015

Permit Reference Number: VP3030BX

Operator: Befesa Salt Slags Ltd

30 June 2006

Installation: Whichurch Salt Slags

Form Number: E1

Reporting of Energy Usage for the year2014.....

Trends in Energy Use

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity (MWh)*	7246.267	18840.294	3,768.0588
Kerosene (Litres)	0	0	0
Propane (Litres)	441792.78	30648.369	6,811.10
TOTAL		49,488.663	10,579.158

* Conversion factor for delivered electricity to primary energy = 2.6

Year	Primary Energy usage(MWh)	CO ₂ Produced (Tonnes)
2008	56,008.86	13,539
2009	44,002.79	10,615
2010	47,779.97	11,512
2011	48,506.93	11,510.17
2012	49,690.57	11,649.384
2013	49,349.994	10,803.541
2014	49,488.663	10,579.158

Operator's comments :

Propane converted from ltrs to KWH then to MWH
Kerosene no longer in use boiler converted to propane

Signed:

(Authorised to sign as representative of the Operator)

Date:27/01/2015

30 June 2006