

Permit Number: EPR/EP3230BW Operator: EnviroWales Limited Facility: Rassau Recycling Facility Form Number: Sewer1: 15/04/2014  
Reporting of emissions to sewer for the period from 01/01/18 to 31/12/2018

Emission Point	Substance / Parameter	Emission			Reference Period	Result (1)	Test Method (2)	Sample Date and Times (3)	Uncertainty (4)
		Limit Value							
S1	Flow	350m <sup>3</sup> /day	Daily average		265.29	Meter MCERTs			
S1	Suspended solids	400 mg/l	Weekly average		88	BS EN 872			
S1	Hydrocarbon oil	No visible staining	Daily samples		✓	SCA blue book 77			
S1	pH max	11	-		9.7	BS ISO 10523			
S1	pH min	6			6.5				
S1	Sulphate	2000 mg/l	Weekly average		1640	SCA blue book 136			
S1	Antimony and its compounds (as Sb)	2.5 mg/l	Weekly average		0.176	BS EN ISO 15586			
S1	Arsenic and its compounds (as As)	2.5 mg/l	Weekly average		.0094	BS EN ISO 11969			
S1	Cadmium and its compounds (as Cd)	0.25 mg/l	Weekly average		.0429	BS EN ISO 5961			
S1	Copper and its compounds (as Cu)	12.5 mg/l	Weekly average		0.114	BS 6068-2.29			
S1	Lead and its compounds (as Pb)	5 mg/l	Weekly average		0.458	BS EN ISO 15586			
S1	Mercury and its compounds (as Hg)	0.125 mg/l	Weekly average		0.0005	BS EN 1483			
S1	Nickel and its compounds (as Ni)	12.5 mg/l	Weekly average		.053	BS 6068-2.29			
S1	Zinc and its compounds (as Zn)	12.5 mg/l	Weekly average		0.19	BS 6068-2.29			

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. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.



Signed

(Authorised to sign as representative of Operator) Date: 31/01/2019

Permit Number: EPR/EP3230BW      Operator: EnviroWales Limited  
 Facility: Rassau Recycling Facility      Form Number: WaterUsage1 / 15/04/2014

**Reporting of Water Usage for the year 2018**

Water Source	Usage (m <sup>3</sup> /year)	Specific Usage (m <sup>3</sup> /unit output)
Mains water	33,956	0.598
<b>TOTAL WATER USAGE</b>	<b>33,956</b>	<b>0.598</b>

Operator's comments :



Signed

Date...30<sup>th</sup> January 2019

(authorised to sign as representative of Operator)

Permit Number: EPR/EP3230BW

Operator: EnviroWales Limited

Facility: Rassau Recycling Facility

Form Number: Energy1 / 15/04/2014

### Reporting of Energy Usage for the year 2018

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh	35383	0.62
Natural Gas	MWh	48747	0.86
TOTAL	-	84130	1.48

\* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :



Signed

Date 30<sup>th</sup> January 2019

(Authorised to sign as representative of Operator)

Permit Number: EPR/EP3230BW Operator: EnviroWales Limited  
 Facility: Rassau Recycling Facility Form Number: Water1 / 15/04/2014

**Reporting of emissions to water (other than to sewer) and land for the period from Jan 1<sup>st</sup> 2018 to 31<sup>st</sup> DEC 2018**

Emission Point	Emission		Reference Period	Result <sup>(1)</sup>	Test Method <sup>(2)</sup>	Sample Date and Times <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
	Substance / Parameter	Limit Value					
W1	Lead			ND	BS 6068-2.29		
W1	pH			ND	BS ISO 10523		
W1	Suspended solids			ND	BS EN 872		
W1	Oil and grease			ND	SCA blue book 77		
W1	Sulphate			ND	SCA blue book 136		

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. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed  Date.....Jan 31st 2019

(Authorised to sign as representative of Operator)

ND = No Discharge

Permit Number: **EPR/EP3230BW** Operator: **EnviroWales Limited**  
 Facility: **Rassau Recycling Facility** Form Number: **Performance1 / 15/04/2014**

**Reporting of other performance indicators for the period 01/01/2018 to 31/12/2018**

Parameter	Units
Total raw material used	71,110 Annually *
Battery recycling efficiencies	96% Annually
Total amount of raw material received on site	71,110 tonnes **
Amount of raw material sent for smelting & refining	85,537tonnes***
Screened material sent for off-site disposal	8,031tonnes ****

Operator's comments :

\*Total raw materials used includes all deliveries of Lead bearing materials to site, including whole batteries.  
 \*\* This is the same figure as detailed under \* .  
 \*\*\*This includes all lead bearing materials etc.  
 \*\*\*\* This is furnace slag

Signed 

Date 30<sup>th</sup> January 2019

(Authorised to sign as representative of Operator)