

Permit Number: EPR/EP3230BW  
 Operator: EnviroWales Limited  
 Facility: Rassau Recycling Facility  
 Form Number: Air1 / 02/11/17

### Reporting of emissions to air for the year 2024

Emission Point	Substance / Parameter	Emission		Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Reference Period				
A1	Sulphuric acid mist	1 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.18	US EPA Method 8	17/12/2024 10:35 – 10:37	13
A1	Dust	5 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	3.44	BS EN 13284-1	17/12/2024 9:00 – 10:02	11
A1	Arsenic, Cadmium, Mercury, Thallium and Selenium and their compounds expressed as As, Cd, Hg, Tl and Se	0.5 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.00324	BS EN 14385	23/04/2024 11:30 – 12:32	5
A1	Antimony, Copper, Lead, Nickel, Tellurium, Tin and Zinc and their compounds expressed as Sb, Cu, Pb, Ni, Te, Sn and Zn	2 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.35	BS EN 14385	23/04/2024 11:30 – 12:30	9
A2	Dust	4 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	2.93	BS EN 13284-1	15/10/2024 15:18 – 16:18	17
A2	Sulphur dioxide	350 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	41.330	CEN/TS 17021	15/10/2024 14:40 – 15:40	3

Emission Point	Substance / Parameter	Emission		Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Reference Period				
A2	Hydrogen chloride	10 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.02	BS EN 1911	15/10/2024 15:18 – 16:18	13
A2	Mercury and its compounds expressed as Hg	0.05 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.0074	BS EN 13211	18/04/2024 13:00 – 14:00	12
A2	Lead and its compounds expressed as Pb	1 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.13	BS EN 14385	16/12/2024 15:15 – 16:15	13
A2	Arsenic, Cadmium, Thallium and Selenium and their compounds expressed as As, Cd, Tl and Se	0.5 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.017	BS EN 14385	15/10/2024 11:30 – 12:30	8
A2	Antimony, Copper, Nickel, Tellurium, Tin and Zinc and their compounds expressed as Sb, Cu, Ni, Te, Sn and Zn	2 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.24	BS EN 14385	15/10/2024 11:30 – 12:30	6
A2	Dioxins and furans (ITEQ)	0.1 ng/m <sup>3</sup>	Periodic over minimum 6 hours, maximum 8 hour period	0.0013	BS EN 1948 Parts 1, 2 and 3	23/04/2024 10:00 – 16:00	16
A2	Oxides of nitrogen	100 mg/m <sup>3</sup>	Periodic over minimum 6 hours, maximum 8 hour period	52.550	BS EN 14792	23/04/2024 12:30 – 13:30	2
A2	Carbon monoxide	1000 mg/m <sup>3</sup>	Periodic over minimum 6 hours, maximum 8 hour period	496.450	BS EN 15058	23/04/2024 12:30 – 13:30	3
A2	Volatile organic compounds (as Carbon)	40 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	25.430	BS EN 12619	23/04/2024 12:30 – 13:30	5

Emission Point	Substance / Parameter	Emission		Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Reference Period				
A3	Dust	4 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.66	BS EN 13284-1	16/12/2024 10:10 – 11:10	45
A3	Sulphur dioxide	500 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	8.580	CEN/TS 17021:2017	22/04/2024 13:00 – 14:00	4
A3	Hydrogen chloride	10 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.020	BS EN 1911	16/10/2024 13:21 – 14:21	13
A3	Arsenic, Cadmium, Mercury, Thallium and Selenium and their compounds expressed as As, Cd, Hg, Tl and Se	0.5 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.0040	BS EN 14385	16/10/2024 10:36 – 11:36	6
A3	Antimony, Copper, Lead, Nickel, Tellurium, Tin and Zinc and their compounds expressed as Sb, Cu, Pb, Ni, Te, Sn and Zn	2 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.26	BS EN 14385	18/04/2024 09:00 – 10:00	11
A3	Dioxins and furans (ITEQ)	0.1 ng/m <sup>3</sup>	Periodic over minimum 6 hours, maximum 8 hour period	0.0017	BS EN 1948 Parts 1, 2 and 3	15/10/2024 10:11 – 16:11	13
A3	Oxides of nitrogen	100 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	1.63	BS EN 14792	22/04/2024 13:00 – 14:00	3
A3	Carbon monoxide	1000 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	4.45	BS EN 15058	15/10/2024 13:05 – 14:05	2
A3	Volatile organic compounds (as Carbon)	40 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	1.76	BS EN 12619	15/10/2024 13:05 – 14:05	3

Emission Point	Substance / Parameter	Emission		Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Reference Period				
A4	Dust	4 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	2.57	BS EN 13284-1	14/10/2024 15:55 – 16:55	17
A4	Arsenic, Cadmium, Mercury, Thallium and Selenium and their compounds expressed as As, Cd, Hg, Tl and Se	0.5 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.0029	BS EN 14385	16/04/2024 14:00 – 15:00	10
A4	Antimony, Copper, Lead, Nickel, Tellurium, Tin and Zinc and their compounds expressed as Sb, Cu, Pb, Ni, Te, Sn and Zn	2 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	0.28	BS EN 14385	16/04/2024 14:00 – 15:00	10
A5	Sulphur dioxide	50 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	39.530	BS EN 14791	24/04/2024 14:30 – 15:30	3
A5	Oxides of nitrogen	100 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	99.260	BS EN 14792	24/04/2024 14:30 – 15:30	2
A5	Carbon monoxide	150 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	30.520	BS EN 15058	24/04/2024 14:30 – 15:30	3
A5	Volatile organic compounds (as Carbon)	50 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	26.740	BS EN 12619	14/10/2024 13:10 – 14:10	3
A6	Lead and its compounds expressed as Pb	2 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	Not installed	BS EN 14385		
A6	Dust	5 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	Not installed	BS EN 13284-1		

Emission Point	Substance / Parameter	Emission		Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Reference Period				
A6	Sulphur dioxide	500 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	Not installed	BS EN 14791		
A6	Oxides of nitrogen	100 mg/m <sup>3</sup>	Periodic over minimum 30 minutes, maximum 8 hour period	Not installed	BS EN 14792		
A7	Dust	No visible emission	N/A	No visible emission	N/A		
A8	Dust	No visible emission	N/A	No visible emission	N/A		
Ambient air monitor located at Garnlydan School at 316600, 212400	Particulate matter	N/A	Continuous	268.93	EN12341:2014		
Ambient air monitor located at Garnlydan School at 316600, 212400	Lead	N/A	Continuous	0.067	EN12341:2014		

[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 Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] 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.

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

Operator's comments:

Signed



Head of QEHS (Authorised to sign as representative of Operator)

Date 30<sup>th</sup> January 2025

