

Permit Number: EPR/EP3830GH

Operator: Liberty Steel UK Ltd

Facility: Liberty Steel Newport

Form Number: Air1 / 08/03/2016

Reporting of emissions to air for the period from 01/07/2016 to 30/09/2016

Emission Point	Substance / Parameter	Emission			Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		Limit Value							
A1	Particulate Matter	5 mg/m ³		Daily Average		BS ISO 10155			
A1	VOC as Total Organic Carbon (TOC)	20 mg/m ³		1 hour period		BS EN 12619			
A1	Carbon monoxide	100 mg/m ³		Hourly Average		ISO 12039			
A1	Sulphur dioxide	25 mg/m ³		15 minute average		BS6069:Section 4.4:1993 (ISO 7935:1992)			
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	25 mg/m ³		Spot sample		ISO 10849			
A1	PCDD/F	0.1ng/m ³		6 – 8h random samples during steady state conditions		BS EN 1948			
A1	Mercury and its compounds	0.05 mg/m ³		Spot samples for at least 4 hours		BS EN 13649			
A1	Metals					USEPA method 29 or BS EN 14385			

Emission Point		Emission		Reference Period		Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
Substance / Parameter	Limit Value								
A1	PAH						BS EN 1948		
A1	PCB						BS EN 1948		
A2	Particulate Matter	5 mg/m ³		Daily Average			BS ISO 10155		
A2	VOC as Total Organic Carbon (TOC)	20 mg/m ³		1 hour period			BS EN 12619		
A2	Carbon monoxide	100 mg/m ³		Hourly Average			ISO 12039		
A2	Sulphur dioxide	25 mg/m ³		15 minute average			BS6069:Section 4.4:1993 (ISO 7935:1992)		
A2	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	25 mg/m ³		Spot sample			ISO 10849		
A2	PCDD/F	0.1ng/m ³		6 – 8h random samples during steady state conditions			BS EN 1948		
A2	Mercury and its compounds	0.05 mg/m ³		Spot samples for at least 4 hours			BS EN 13649		
A2	Metals						USEPA method 29 or BS EN		

Emission Point	Substance / Parameter	Emission		Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		Limit Value						
A2	PAH				14385	BS EN 1948		
A2	PCB					BS EN 1948		
A5	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	400 mg/m ³	Spot		130.53	ISO 10849	21/07/2016 10:21 – 11:20	6%

[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.



Signed

Date... 31 OCTOBER 16

Permit Number: EPR/EP3830GH

Operator: Liberty Steel UK Ltd

Facility: Liberty Steel Newport

Form Number: Water1 / 08/03/2016

Reporting of emissions to water (other than to sewer) and land for the period from 01/07/2016 to 30/09/2016

Emission Point	Substance / Parameter	Emission		Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		Limit Value						
W1	Total suspended solids	20 mg/l		Spot Sample	106	BS EN 872:1996 or other ISO, BS or SCA blue book method as approved by Natural Resources Wales	18/07/2016 11:00	31
W1	Total Hydrocarbons	5 mg/l		Spot Sample	2.83	SCA blue book 77 ISBN 0117517283 2002 or other ISO, BS or SCA blue book method as approved by Natural Resources Wales	18/07/2016 11:00	0.884
W1	Metals ^{Note 5}			Spot Sample		BS 6068-2:60:1998, BS EN ISO 11885 1998		
	Lead	0.1 mg/l			0.029		18/07/2016 11:00	0.011
	Arsenic	0.1 mg/l			0.009		13/09/2016 14:00	0.005
	Cadmium	0.05 mg/l			0.0013		18/07/2016 11:00	0.001

Emission Point		Emission			Reference Period		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
Substance / Parameter	Limit Value									
	Chrom	0.2 mg/l				0.007		18/07/2016 11:00	0.011	
	Nickel	0.1 mg/l				0.012		18/07/2016 11:00	0.006	
	Copper	0.1				0.035		13/09/2016 14:00	0.024	
	Mercury					0.0001		18/07/2016 11:00	0.0001	
W1	pH	6-10	Spot Sample			8.9	BS 6068-2.50:1995 (ISO 10523:1994)	13/09/2016 14:00	8.99	
W1	Iron	5 mg/l	Spot Sample			0.230	BS 6068-2.74:2002, BS EN ISO 13506:2002	13/09/2016 14:00	0.262	
W1	Zinc	0.5 mg/l	Spot Sample			0.258	BS 6068-2.60:1998, BS EN ISO 11885 1998	13/09/2016 14:00	0.092	

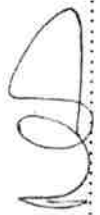
[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – 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.

[5] Metal include elements and compounds of Pb, As, Cd, Cr, Ni, Cu, Hg and Zn expressed as the metal and shall be individually reported

Signed 

Date 31 OCTOBER 16

