

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 01/04/2016 to 30/06/2016


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	Particulate Matter	5 mg/m ³				BS EN 13284-1:2002			
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			

Emission Point		Emission			Reference Period			Result ⁽¹⁾		Test Method ⁽²⁾		Sample Date and Times ⁽³⁾		Uncertainty ⁽⁴⁾
Substance / Parameter		Limit Value			Reference Period			Result ⁽¹⁾		Test Method ⁽²⁾		Sample Date and Times ⁽³⁾		Uncertainty ⁽⁴⁾
A1	Metals									USEPA method 29 or BS EN 14385				
A1	PAH									BS EN 1948				
A1	PCB									BS EN 1948				
A2	Particulate Matter	5 mg/m ³			Daily Average					BS ISO 10155				
A2	Particulate Matter	5 mg/m ³			Annual					BS EN 13284-1:2002				
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				

Emission Point	Substance / Parameter	Emission				Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value								
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 14385				
A2	PAH					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 sample	219.43	ISO 10849	14/04/2016 14:00 – 15:00			
A5	Particulate Matter	5 mg/m ³		Annual		BS EN 13284-1:2002				
A5	Metals			Annual		USEPA method 29 or BS EN 14385				

[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 5th August 2016

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 01/03/2016 to 30/06/2016

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	51	BS EN 872:1996 or other ISO, BS or SCA blue book method as approved by Natural Resources Wales	13/04/2016 13:00	23
W1	Total Hydrocarbons	5 mg/l		Spot Sample	0.994	SCA blue book 77 ISBN 0117517283 2002 or other ISO, BS or SCA blue book method as approved by Natural Resources Wales	13/04/2016 13:00	0.614
W1	Metals ^{Note 5}			Spot Sample		BS 6068-2:60:1998, BS EN ISO 11885 1998		
	Lead	0.1 mg/l			0.015		13/04/2016 13:00	0.009
	Arsenic	0.1 mg/l			0.007		14/06/2016 14:00	0.004
	Cadmium	0.05 mg/l			0.0006		17/05/2016 10:00	0.0001

Emission Point	Emission				Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	Substance / Parameter	Limit Value							
	Chrome	0.2 mg/l			0.031		14/06/2016 14:00	0.029	
	Nickel	0.1 mg/l			0.003		14/06/2016 14:00	0.003	
	Copper	0.1			0.020		13/04/2016 13:00	0.016	
	Mercury				0.0004		13/04/2016 13:00	0.0001	
W1	pH	6-10		Spot Sample	10.9	BS 6068-2.50:1995 (ISO 10523:1994)	13/04/2016 13:00	10.2	
W1	Iron	5 mg/l		Spot Sample	0.230	BS 6068-2.74:2002, BS EN ISO 13506:2002	13/04/2016 13:00	0.219	
W1	Zinc	0.5 mg/l		Spot Sample	0.106	BS 6068-2.60:1998, BS EN ISO 11885 1998	14/06/2016 14:00	0.041	

[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 8 August 2016

