

RELEASES INTO AIR

Operational summary for the month June-15

Operator: Tata Steel UK Ltd

Release Point: A55

Location: Port Talbot Works

Permit: BL7108/AP3330BE

Obscuration (%)	Day																														Month Mean	
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		01
Daily Mean	16.2	15.0	9.7	9.7	12.7	12.6	7.8	11.3	9.7	9.9	10.4	11.5	14.1	10.7	9.2	12.5	14.0	8.6	21.4	33.6	19.3	12.2	10.9	9.0	17.1	21.0	19.6	19.3	18.7	16.1	14.4	14.1
Weekly Mean Limit=25%						12.7							12.0							21.2							19.2					
Max Hourly	29	22	15	17	19	17	15	24	22	27	17	17	20	15	15	17	24	12	44	49	47	27	19	20	21	25	25	25	23	26	26	
Time greater than R1 (mins)	92	72	0	1	15	2	0	81	10	27	23	20	10	9	0	31	138	4	432	1183	430	45	36	19	60	300	191	170	200	129	0	Total 3730

Ringelmann 1 (R1) equivalent to smoke opacity of 25%

Ringelmann 2 (R2) equivalent to smoke opacity of 50%

Ringelmann 3 (R3) equivalent to smoke opacity of 75%

Ringelmann 4 (R4) equivalent to smoke opacity of 100%

Signed on behalf of the Operator:

Dated: 24-Jul-2015

Form Coke CEMS Smoke

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-15

Operator: Tata UK Ltd

Release Point: A54

Location: Port Talbot Works

Permit: BL7108

Criteria	DLCF (%)	TLCF (%)	MEF	PEF
Monthly average limit	20.00	10.00	0.071	0.074
April	99.20	99.40	<0.25	<0.25
May	9.52	9.35		
June	9.2	9.7		
Highest weekly MEF/PEF			0.2	0.2
No weekly assessment to exceed			0.4	0.4
Date of lowest daily DLCF/TLCF				
Date & oven number of highest MEF/PEF				
No.Ovens MEF/PEF >1			0	0

*April reported as BCRA method DLCF limit of 98.5% min and TLCF of 99% min.

Signed on behalf of the Operator:



Dated: 24-Jul-2015

Form Coke DCM CF

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-15

Operator: Tata UK Ltd

Release Points: A56, A58

Location: Port Talbot Works

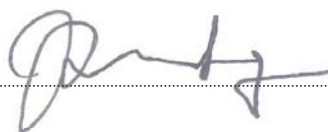
Permit: BL7108

Release Point	A56 Flue 1/2/3	A58 (Annually)
Permit limit (mg/m3)	*	
Measured conc (mg/m3)		
Sampling method used		
Analytical method used		
Date of sampling		
Sampling start time		
Sampling end time		
Date of analysis		
Limit of detection		
Annual release limit (kg)		
Annual release (kg)		

Release point A56 is monitored quarterly. Release point A58 is monitored annually.
Mass release limits are annual limits and are to be reported annually.

* A56 not sampled due to safety issues. See email to NRW
Subject: Incomplete June Returns - Date: 23/07/2015

Signed on behalf of the Operator:



Dated: 24-Jul-2015

Form Coke DCM Parts

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-15

Operator: Tata UK Ltd

Release Point: A56

Location: Port Talbot Works

Permit: BL7108 / BL7108IM (V009)

Month	No. ovens discharged with Minister Stein in the month	Total no. ovens discharged in the month	% of ovens discharged with the Minister Stein in the month
January	3434	3541	96.98%
February	3349	3624	92.41%
March	3463	3581	96.70%
April	3009	3500	85.97%
May	2825	2955	95.60%
June	2793	2877	97.08%
July			
August			
September			
October			
November			
December			
Total	18873	20078	94.0%

Limits 98% availability (unplanned outages) - annual.

Limits 94% availability (all outages) - annual.

Signed on behalf of the Operator:



Dated: 24-Jul-2015

**Form Coke Minister Stein
(Revision 1)**

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-15

Operator: Tata UK Ltd

Release Point: A57

Location: Port Talbot Works

Permit: BL7108

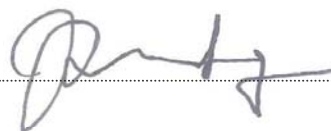
Substance	Sulphur dioxide	Oxides of Nitrogen
Permit limit (mg/m3)	2000	200
Measured conc (mg/m3) **	369	76
Sampling method used	BS 6069	ISO 10849
Analytical method used	EC *	EC *
Date of sampling	12-Jun-15	12-Jun-15
Sampling start time	09:49	09:49
Sampling end time	10:49	10:49
Date of analysis	12-Jun-15	12-Jun-15
Limit of detection	1.6	1.4
Process status during sampling	2 stills & 2 incinerators on	2 stills & 2 incinerators on
Annual release limit (kg)		
Annual release (kg)	-	-
Fuel usages over the sampling period		
Natural gas %		
Blast furnace gas %		
Coke oven gas %	100	100
Heavy fuel oil %		

Mass release limits are annual mass release limits and are to be reported annually.

* EC - electrochemical cell

** Releases corrected to 10.1.3b

Signed on behalf of the Operator:



Dated: 24-Jul-2015

Form DCM SO₂ & NO_x

RELEASES INTO AIR

Release summary for six months ending

30/06/2014

Operator: Tata Steel UK

Release Point: A55

Location: Port Talbot Works

Permit: BL7108

Substance	Sulphur Dioxide	Particulate Matter	Oxides of Nitrogen	Carbon Monoxide
Permit limit (mg/m3)	250 Lean gas 1000 Rich gas	100 As an hourly mean	1600 lean gas 4000 Rich gas	
Measured Concentration	143	13	1038	7957
Sampling method used	BS 6069	BS EN 13284	ISO 10849	BS ISO 12039
Analytical method used	EC *	Gravimetric	EC *	EC *
Date of sampling	06-May-15	06-May-15	06-May-15	06-May-15
Sampling start time	09:45	09:42	09:45	09:45
Sampling end time	10:46	11:51	10:46	10:46
Date of analysis	06-May-15	06-May-15	06-May-15	06-May-15
Limit of detection	1.6	0.6	1.4	0
Continuous monitor result over sample period (% opacity)		12		
Annual release limit (kg)	600,000	100,000	3,000,000	-
Annual release (kg)	-	-	-	-
Fuel usages over the sampling period				
Natural gas %				
Blast furnace gas %	100	100	100	100
Coke oven gas %	0	0	0	0
Heavy fuel oil %				
Type of firing during sampling	Lean	Lean	Lean	Lean

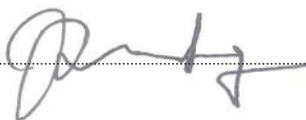
* EC - electrochemical cell

Release point A55 is monitored six monthly for sulphur dioxide and oxides of nitrogen and annually for particulate matter. Mass release limits are annual limits and are to be reported annually.

Time and dates provided were for North Stack. South stack dates were: Particulates - 12/05 10:16-12:32

Gasses: 12/05 10:17-11:17

Signed on behalf of the Operator:



Dated: 24-Jul-2015

Form Coke DCM Misc