

RELEASES INTO AIR

Operational summary for the month September-16

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		
Daily Mean	22.4	16.6	21.3	20.3	22.4	18.9	23.1	23.1	21.8	23.0	16.1	11.8	13.3	15.2	14.8	9.3	10.4	11.9	8.8	10.5	15.8	22.1	19.2	10.9	13.6	12.6	14.5	12.8	13.2	13.7		16.1
Weekly Mean Limit=25%		16.9							21.6							14.8							14.1							13.0		
Max Hourly	23	27	28	29	29	34	32	31	31	30	17	18	18	25	20	22	22	18	23	26	29	50	18	18	19	17	16	24	21	21		
Time greater than R1 (mins)	494	64	324	299	429	236	242	450	364	319	228	0	19	17	106	25	20	29	89	67	100	430	437	26	8	26	7	2	81	16		Total 4954

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: 8-Nov-2016

Form Coke CEMS Smoke

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-16

Operator: Tata UK Ltd

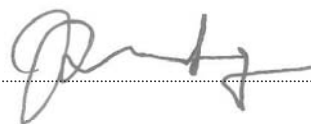
Release Point: A54

Location: Port Talbot Works

Permit: BL7108

Criteria	DLCF (%)	TLCF (%)	MEF	PEF
Monthly average limit	10.00	1.00	0.071	0.074
April	13.81	7.18	<0.25	<0.25
May	11.82	6.50		
June	13.95	6.85		
Highest weekly MEF/PEF			0.29	0.31
No weekly assessment to exceed			0.4	0.4
Date of lowest daily DLCF/TLCF				
Date & oven number of highest MEF/PEF			54 26-Sep-16	43 02-Aug-16
No.Ovens MEF/PEF >1			4	6

Signed on behalf of the Operator:



Dated: 8-Nov-2016

Form Coke DCM CF

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-16

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)	50	50
Measured conc (mg/m3)	1.8 (+/- 1.4)	-
Sampling method used	BS EN 13284	-
Analytical method used	Gravimetric	-
Date of sampling	24-Aug-16	-
Sampling start time	10:31	-
Sampling end time	11:31	-
Date of analysis	24-Aug-16	-
Limit of detection	0.6	-
Annual release limit (kg)	25,000	10,000
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.

4.492011019

Signed on behalf of the Operator:



Dated: 8-Nov-2016

Form Coke DCM Parts

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-16

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	3216	3236	99.38%
February	3146	3239	97.13%
March	2612	2662	98.12%
April	2849	2956	96.38%
May	2802	2900	96.62%
June	3474	3584	96.93%
July	2632	2650	99.32%
August	2012	2041	98.58%
September	3510	3596	97.61%
October			
November			
December			
Total	26253	26864	97.7%

Limits 98% availability (unplanned outages) - annual.

Limits 94% availability (all outages) - annual.

Signed on behalf of the Operator:



Dated: 8-Nov-2016

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

RELEASES INTO AIR

Release summary for quarter ending

30-Mar-16

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) **	221 (+/-5.1)	33 (+/-1.1)
Sampling method used	BS 6069	ISO 10849
Analytical method used	EC *	EC *
Date of sampling	26-Aug-16	26-Aug-16
Sampling start time	10:11	10:11
Sampling end time	11:11	11:11
Date of analysis	26-Aug-16	26-Aug-16
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: 8-Nov-2016

Form DCM SO₂ & NO_x