

RELEASES INTO AIR

Release summary for quarter ending

30-Sep-18

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		
July	10.00	4.00		
August	8.46	2.34		
September	4.09	1.13		
Highest weekly MEF/PEF				
No weekly assessment to exceed				
Date of lowest daily DLCF/TLCF				
Date & oven number of highest MEF/PEF				
No.Ovens MEF/PEF >1				

Signed on behalf of the Operator:



Dated: 5-Oct-2018

Form Coke DCM CF

RELEASES INTO AIR

Release summary for quarter ending

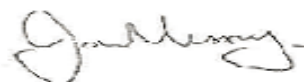
30-Sep-18

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)	20	-
Measured conc (mg/m3)	0.8 (+/- 0.9)	-
Sampling method used	BS EN 13284	-
Analytical method used	Gravimetric	-
Date of sampling	26-Sep-18	-
Sampling start time	10:39	-
Sampling end time	12:24	-
Date of analysis	26-Sep-18	-
Limit of detection	0.6	-
Annual release limit (kg)	25,000	-
Annual release (kg)	-	-

Release point A56 is monitored quarterly. Release point A58 is no longer operational.
Mass release limits are annual limits and are to be reported annually.

Signed on behalf of the Operator:

..... 

Dated: 22-Oct-2018

Form Coke DCM Parts

RELEASES INTO AIR

Release summary for quarter ending

30-Sep-18

Operator: Tata UK Ltd

Release Point: A56

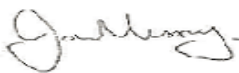
Location: Port Talbot Works

Permit: BL7108 / BL7108IM

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	0	2800	0.00%
February	0	2754	0.00%
March	0	3236	0.00%
April	0	2918	0.00%
May	0	2846	0.00%
June	0	2762	0.00%
July	3325	3325	100.00%
August	2658	2666	99.70%
September	3375	3386	99.68%
October			
November			
December			
Total	0	26693	0.0%

Limits 98% availability (unplanned outages) - annual.

Limits 94% availability (all outages) - annual.

Signed on behalf of the Operator: 

Dated: 25-Oct-2018

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

RELEASES INTO AIR

Release summary for quarter ending

30-Sep-18

Operator: Tata UK Ltd

Release Point: A57

Location: Port Talbot Works

Permit: BL7108

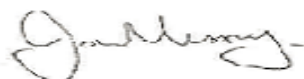
Substance	Sulphur dioxide	Oxides of Nitrogen
Permit limit (mg/m3)	2000	200
Measured conc (mg/m3) **	69 (+/-6.6)	24 (+/-2.3)
Sampling method used	BS 6069	ISO 10849
Analytical method used	EC *	EC *
Date of sampling	17-Aug-18	17-Aug-18
Sampling start time	10:21	10:21
Sampling end time	11:21	11:21
Date of analysis	17-Aug-18	17-Aug-18
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: 5-Oct-2018

Form DCM SO₂ & NO_x

RELEASES INTO AIR

Operational summary for the month July-18

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	31	
Daily Mean	13.1	14.2	14.9	10.5	11.2	12.8	16.6	16.6	15.9	17.3	22.2	22.0	23.2	16.9	14.5	13.9	16.0	10.8	18.9	14.5	17.6	16.3	18.7	23.5	28.3	29.2	30.1	38.1	32.7	31.8	25.0	19.6
Weekly Mean Limit=25%		10.2							14.0							18.6							16.1							30.5		
Max Hourly	34	27	21	21	19	20	18	26	22	27	38	38	32	23	21	18	25	25	29	20	23	22	30	31	0	33	40	37	55	50	46	
Time greater than R1 (mins)	58	104	85	17	78	60	10	85	103	89	435	475	597	70	48	31	112	62	254	49	98	60	160	478	1051	1026	1161	1329	1149	940	0	Total 10274

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: 14-Sep-2018

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month August-18

Operator: Tata Steel UK Ltd
Location: Port Talbot Works

Release Point: A55
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	31	
Daily Mean	13.3	7.0	7.4	5.1	3.8	6.9	9.3	9.3	8.5	8.5	9.0	8.1	7.8	7.5	12.4	13.0	10.9	9.2	11.7	8.4	6.6	7.8	10.4	13.8	9.6	11.7	12.4	7.0	7.5	13.3	14.5	9.4
Weekly Mean Limit=25%						9.8							8.7							10.4							10.3					
Max Hourly	30	11	12	12	7	17	11	17	12	19	13	17	14	14	23	18	19	15	18	13	9	10	13	28	0	13	22	19	12	14	22	
Time greater than R1 (mins)	256	22	4	0	0	12	0	27	3	49	15	19	12	32	45	40	19	15	18	17	0	0	0	78	0	44	0	0	1	49	0	Total 777

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: 14-Sep-2018

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month September-18

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	12.2	14.6	14.5	17.7	12.2	14.8	18.4	18.4	17.5	10.9	16.3	17.0	12.3	17.4	7.8	7.3	11.0	11.3	9.7	10.8	10.7	11.6	10.4	10.1	13.9	15.1	17.7	17.3	13.4	14.5		13.5
Weekly Mean Limit=25%			17.1							15.7							12.7							10.6								
Max Hourly	20	21	22	34	31	38	33	24	26	15	22	23	22	23	18	13	19	25	18	25	22	22	18	18	0	25	23	24	26	20		
Time greater than R1 (mins)	18	11	37	204	123	164	593	114	111	4	60	51	18	85	22	11	46	49	44	104	22	62	39	15	72	71	73	96	38	33		Total 2390

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: 5-Oct-2018

Form Coke CEMS Smoke