

RELEASES INTO AIR

Release summary for quarter ending

30-Sep-17

Operator: Tata UK Ltd

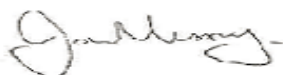
Release Point: A54

Location: Port Talbot Works

Permit: BL7108

Criteria	DLCF (%)	TLCF (%)	MEF	PEF
Monthly average limit	10.00	1.00		
July	13.81	7.18		
August	11.82	6.50		
September	10.9	8.11		
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: 23-Oct-2017

Form Coke DCM CF

RELEASES INTO AIR

Release summary for quarter ending

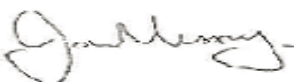
30-Jun-17

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)	3.9 (+/- 1.3)	-
Sampling method used	BS EN 13284	-
Analytical method used	Gravimetric	-
Date of sampling	31-Aug-17	-
Sampling start time	10:13	-
Sampling end time	12:11	-
Date of analysis	31-Aug-17	-
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:

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Dated: 3-Oct-2017

Form Coke DCM Parts

RELEASES INTO AIR

Release summary for quarter ending

30-Sep-17

Operator: Tata UK Ltd

Release Point: A56

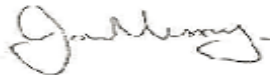
Location: Port Talbot Works

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	2652	2805	94.55%
February	2871	2907	98.76%
March	3613	3641	99.23%
April	2749	2791	98.50%
May	2729	2776	98.31%
June	2726	2751	99.09%
July	3505	3505	100.00%
August	2824	2835	99.61%
September	3580	3580	100.00%
October			
November			
December			
Total	17340	17671	98.1%

Limits 98% availability (unplanned outages) - annual.

Limits 94% availability (all outages) - annual.

Signed on behalf of the Operator: 

Dated: 24-Oct-2017

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

RELEASES INTO AIR

Release summary for quarter ending

30-Jun-17

Operator: Tata UK Ltd

Release Point: A57

Location: Port Talbot Works

Permit: BL7108

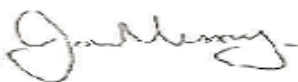
Substance	Sulphur dioxide	Oxides of Nitrogen
Permit limit (mg/m3)	2000	200
Measured conc (mg/m3) **	1608 (+/-44.8)	152 (+/-4.2)
Sampling method used	BS 6069	ISO 10849
Analytical method used	EC *	EC *
Date of sampling	01-Sep-17	01-Sep-17
Sampling start time	09:57	09:57
Sampling end time	10:57	10:57
Date of analysis	01-Sep-17	01-Sep-17
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:

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Dated: 3-Oct-2017

Form DCM SO₂ & NO_x

RELEASES INTO AIR

Operational summary for the month August-17

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	25.9	22.9	21.2	16.6	14.3	23.9	18.3	18.3	14.9	21.5	15.6	15.4	21.2	29.8	30.4	30.1	28.4	31.2	23.0	23.2	28.1	29.2	27.6	26.8	27.5	21.7	22.8	19.6	16.9	15.4	17.5	22.5	
Weekly Mean Limit=25%				17.4							18.1							26.6							26.5								
Max Hourly	32	31	33	22	19	39	30	35	22	37	29	26	32	34	46	41	40	39	35	35	38	35	39	37	39	35	30	36	32	25	25		
Time greater than R1 (mins)	798	506	340	105	34	588	396	301	62	457	150	132	360	1116	1027	1111	890	1137	482	523	844	966	816	739	865	371	498	292	172	127	No Data	Total 16205	

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: 4-Oct-2017

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month July-17

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	12.3	12.9	10.4	11.6	9.1	10.7	9.7	9.7	8.5	12.1	11.5	9.5	10.2	14.5	17.6	14.7	12.1	12.5	18.0	15.1	11.6	17.9	20.6	21.7	19.7	33.4	18.9	16.6	17.6	19.2	21.2	14.9
Weekly Mean Limit=25%							11.0							10.9							14.5							21.2				
Max Hourly	16	20	20	19	15	16	18	25	33	19	18	17	18	21	24	21	19	37	36	24	20	25	26	37	25	47	24	26	24	27	30	
Time greater than R1 (mins)	7	39	20	26	13	10	16	40	75	22	30	20	40	47	50	44	27	40	272	86	32	222	192	306	251	1024	276	170	196	243	405	Total 4241

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: 2-Aug-2017

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month September-17

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	22.8	20.6	21.0	23.0	20.9	24.3	17.5	17.5	21.9	21.4	16.5	17.3	18.5	12.7	11.0	11.1	9.1	8.9	11.1	11.9	11.1	9.6	8.9	16.2	10.5	12.8	13.6	14.7	17.3	17.3		15.7
Weekly Mean Limit=25%	22.2							20.7							17.1							10.4							13.5			
Max Hourly	32	28	26	29	29	35	36	25	36	31	30	22	26	18	15	22	16	20	16	20	23	21	18	31	16	18	27	28	22	29		
Time greater than R1 (mins)	544	406	330	485	432	619	667	129	412	356	97	203	236	20	5	58	14	19	17	58	38	33	6	94	9	19	43	58	78	206		Total 5691

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: 4-Oct-2017

Form Coke CEMS Smoke