

RELEASES INTO AIR

Operational summary for the month

April-20

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	12.0	14.9	9.8	11.2	12.4	11.1	10.4	10.4	14.9	10.5	14.1	22.6	16.5	14.4	26.7	19.7	21.9	21.3	15.4	16.6	16.9	13.8	13.6	13.9	18.4	20.4	18.7	17.1	18.1	23.1	16.0
Weekly Mean Limit=25%	8.7							11.4							17.1							17.9							17.2		
Max Hourly	20	38	16	20	26	15	16	24	26	18	32	36	24	24	34	32	30	28	21	25	31	21	26	18	0	33	36	38	25	38	
Time greater than R1 (mins)	28	123	6	8	30	0	14	31	65	19	101	347	61	45	865	300	418	320	32	114	270	33	56	34	216	247	303	128	203	568	Total 4985

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: 15-Jul-2020

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month February-20

Operator: Tata Steel UK Ltd

Release Point: A55

Location: Port Talbot Works

Permit: BL7108/AP3330BE

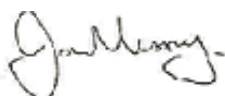
Obscuration (%)	Day																												Month Mean			
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				
Daily Mean	19.4	17.2	15.0	23.9	22.4	20.1	20.7	10.7	18.8	23.3	16.7	15.7	21.3	17.8	22.6	47.5	22.4	8.1	10.1	8.6	7.4	9.6	24.9	28.6	19.1	13.6	13.0	18.0				18.4
Weekly Mean Limit=25%				18.0							18.9							22.2							15.5							
Max Hourly	31	27	23	32	41	34	36	15	31	33	31	27	35	30	34	60	51	14	17	13	17	19	30	46	0	34	23	25				
Time greater than R1 (mins)	237	152	66	487	516	253	672	2	251	520	96	121	423	247	524	1440	579	0	5	16	0	0	734	878	440	57	50	309				Total 9075

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: 15-Jul-2020

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month January-20

Operator: Tata Steel UK Ltd

Release Point: A55

Location: Port Talbot Works

Permit: BL7108/AP3330BE

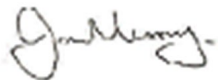
Obscuration (%)	Day																																Month Mean
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Daily Mean	16.1	13.5	16.3	10.6	12.1	9.6	17.9	15.9	11.8	16.4	21.2	26.1	21.6	15.1	22.1	18.3	18.8	13.8	12.6	12.7	13.3	17.9	14.2	12.7	10.9	10.8	14.7	21.0	17.5	12.4	10.6	15.4	
Weekly Mean Limit=25%							13.7							18.3							15.9							14.6					
Max Hourly	24.5	24	33	20	19	15.3	33.7	25	18	32	30	49	36.1	21	40	33	32.4	24.5	19	19	19	32	25	18	0	26	22	21	34	30	26		
Time greater than R1 (mins)	124	88	156	22	39	2	252	116	1	171	332	719	601	9	387	254	242	59	21	39	48	236	85	20	31	33	66	312	110	39	0	Total 4614	

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: 15-Jul-2020

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month June-20

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	16.1	13.5	16.3	10.6	12.1	9.6	15.9	15.9	11.8	16.4	21.2	26.1	21.6	15.1	22.1	18.3	18.8	13.8	12.6	12.7	13.3	17.9	14.2	12.7	10.9	10.8	14.7	21.0	17.5	12.4	15.5
Weekly Mean Limit=25%			15.3							13.2							20.5							13.9							
Max Hourly	24	24	33	20	19	15	34	25	18	32		49	36	21	40	33	32	25	19	19	19	32	25	18	0	26	22	21	34	30	
Time greater than R1 (mins)	124	88	156	22	39	2	252	116	1	171	332	719	601	9	387	254	242	59	21	39	48	236	85	20	31	33	66	312	110	39	Total 4614

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: 15-Jul-2020

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month March-20

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	28.3	21.4	12.8	13.8	11.6	13.5	15.7	15.7	14.4	17.0	11.3	15.0	17.2	24.5	22.9	11.0	9.4	9.9	13.0	14.0	10.6	9.0	9.4	8.9	6.5	5.2	6.9	9.5	7.3	9.5	10.8	13.1	
Weekly Mean Limit=25%				17.2							14.2							15.7							10.2								
Max Hourly	37	30	18	18	18	22	21	23	20	29	20	22	24	38	35	17	15	19	24	27	23	22	17	16	0	13	8	13	15	11	20		
Time greater than R1 (mins)	1024	487	6	0	0	15	9	43	7	334	12	69	67	524	621	0	3	7	33	109	41	17	12	33	2	0	6	11	0	17	12	Total 3521	

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%
*No data available

Signed on behalf of the Operator: 

Dated: 15-Jul-2020

Form Coke CEMS Smoke

RELEASES INTO AIR

Operational summary for the month

May-20

Operator: Tata Steel UK Ltd

Release Point: A55

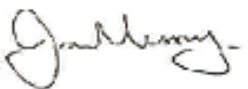
Location: Port Talbot Works

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	16.1	13.5	16.3	10.6	12.1	9.6	15.9	15.9	11.8	16.4	21.2	26.1	21.6	15.1	22.1	18.3	18.8	13.8	12.6	12.7	13.3	17.9	14.2	12.7	10.9	10.8	14.7	21.0	17.5	12.4	10.6	15.4
Weekly Mean Limit=25%						14.5							18.4							16.2							13.5					
Max Hourly	24	24	33	20	19	15	34	25	18	32	30	49	36	21	40	33	32	25	19	19	19	32	25	18	0	26	22	21	34	30	26	
Time greater than R1 (mins)	124	88	156	22	39	2	252	116	1	171	332	719	601	9	387	254	242	59	21	39	48	236	85	20	31	33	66	312	110	39	54	Total 4668

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: 15-Jul-2020

Form Coke CEMS Smoke

RELEASES INTO AIR

Release summary for quarter ending

30-Jun-20

Operator: Tata UK Ltd

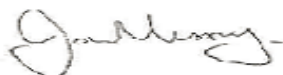
Release Point: A54

Location: Port Talbot Works

Permit: BL7108

Criteria	DLCF (%)	TLCF (%)	
Monthly average limit	10.00	1.00	
Apr	6.50	0.93	
May	6.26	0.52	
June	6.22	0.78	

Signed on behalf of the Operator:

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Dated: 15-Jul-2020

Form Coke DCM CF

RELEASES INTO AIR

Release summary for quarter ending

30-Jun-20

Operator: Tata UK Ltd

Release Point: A56

Location: Port Talbot Works

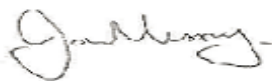
Permit: BL7108 / BL7108IM

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	2618	0.00%
February	0	3172	0.00%
March	0	2452	0.00%
April	0	2504	0.00%
May	0	3111	0.00%
June	0	2510	0.00%
July			
August			
September			
October			
November			
December			
Total	0	16367	0.0%

Limits 98% availability (unplanned outages) - annual.

Limits 94% availability (all outages) - annual.

Signed on behalf of the Operator:



Dated: 15-Jul-2020

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

RELEASES INTO AIR

Release summary for quarter ending

30-Jun-20

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) **	1807 (+/-69.6)	146 (+/-5.6)
Sampling method used	BS 6069	ISO 10849
Analytical method used	EC *	EC *
Date of sampling	27-May-20	27-May-20
Sampling start time	10:01:00	10:01
Sampling end time	23:01	23:01
Date of analysis	27-May-20	27-May-20
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