

RELEASES INTO AIR

Release summary for quarter ending

30-Jun-17

Operator: Tata UK Ltd

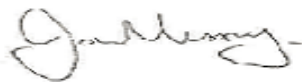
Release Point: A54

Location: Port Talbot Works

Permit: BL7108

Criteria	DLCF (%)	TLCF (%)	MEF	PEF
Monthly average limit	10.00	1.00	0.072	0.078
April			<0.25	<0.25
May				
June				
Highest weekly MEF/PEF			0.18	0.39
No weekly assessment to exceed			0.4	0.4
Date of lowest daily DLCF/TLCF				
Date & over number of highest MEF/PEF			27 19.5.17	16 05. 06.17
No.Ovens MEF/PEF >1			0	0

Signed on behalf of the Operator:

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Dated: 27-Jul-2017

Form Coke DCM CF

RELEASES INTO AIR

Release summary for quarter ending

30-Jun-17

Operator: Tata UK Ltd

Release Points: A56, A58

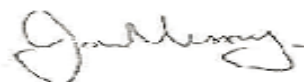
Location: Port Talbot Works

Permit: BL7108

Release Point	A56 Flue 1/2/3	A58 (Annually)
Permit limit (mg/m ³)	20	-
Measured conc (mg/m ³)	2.5 (+/- 1.6)	-
Sampling method used	BS EN 13284	-
Analytical method used	Gravimetric	-
Date of sampling	16-May-17	-
Sampling start time	09:59	-
Sampling end time	11:52	-
Date of analysis	16-May-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: 7-Jul-2017

Form Coke DCM Parts

RELEASES INTO AIR

Release summary for quarter ending

30-Jun-17

Operator: Tata UK Ltd

Release Point: A56

Location: Port Talbot Works

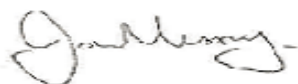
Permit: BL7108 / BL7108IM

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			
August			
September			
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: 25-Jul-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

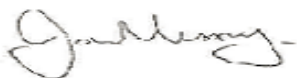
Substance	Sulphur dioxide	Oxides of Nitrogen
Permit limit (mg/m3)	2000	200
Measured conc (mg/m3) **	1527 (+/-44.6)	68 (+/-2.0)
Sampling method used	BS 6069	ISO 10849
Analytical method used	EC *	EC *
Date of sampling	09-Jun-17	09-Jun-17
Sampling start time	10:07	10:07
Sampling end time	11:07	11:07
Date of analysis	09-Jun-17	09-Jun-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:



Dated: 19-Jul-2017

Form DCM SO2 & NOx

Complete

yes

RELEASES INTO AIR

Release summary for six months ending

31/12/2016

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	176 (+/-6.1)	15 (+/-1.9)	1350 (+/-57.0)	6050
Sampling method used	BS 6069	BS EN 13284	ISO 10849	BS ISO 12039
Analytical method used	EC *	Gravimetric	EC *	EC *
Date of sampling	24-May-17	18-May-17	24-May-17	24-May-17
Sampling start time	10:03	10:00	10:03	10:03
Sampling end time	11:03	12:04	11:03	11:03
Date of analysis	24-May-17	24-May-17	24-May-17	24-May-17
Limit of detection	1.6	0.6	1.4	0
Continuous monitor result over sample period (% opacity)		3		
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 %	72	72	72	72
Coke oven gas %	28	28	28	28
Heavy fuel oil %				
Type of firing during sampling	Lean gas	Lean gas	Lean gas	Lean gas

* 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.

**Annual Release data to be submitted following PI completion

Signed on behalf of the Operator:



Dated: 25-Jul-2017

Form Coke DCM Misc

RELEASES INTO AIR

Operational summary for the month June-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	17.5	16.5	18.2	16.9	25.9	26.9	28.4	28.4	27.6	15.6	19.8	18.4	19.4	17.5	23.5	21.0	22.0	18.5	17.6	22.5	23.6	19.4	19.4	19.0	18.5	17.6	16.7	20.0	16.6	13.6	19.6
Weekly Mean Limit=25%		17.7							24.6							19.3							20.4							17.4	
Max Hourly	28	20	33	30	36	38	39	36	31	24	25	25	28	22	34	32	33	27	26	28	33	25	34	31	25	29	27	30	21	23	
Time greater than R1 (mins)	175	31	145	58	763	838	1312	1090	906	50	216	117	241	45	571	378	451	145	106	284	634	225	240	200	158	155	239	261	36	66	10136

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-Jul-2017

Form Coke CEMS Smoke