

Releases to Controlled Waters

Release summary for the month

January-18

Operator: Tata Steel UK Ltd

Release Point: W1 (LSO)

Location: Port Talbot

Permit: BL7108

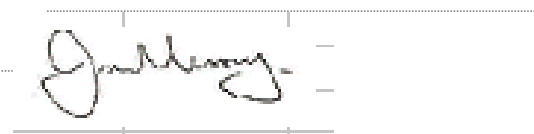
	S.Solids*	COD	BOD	Sulphides	Thiocyanate	Cyanide	PAH	Phenols	A+N+N	Iron	Lead	Zinc	Nickel	Chromium	Oil**	Date	Discharge	Discharge
	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)		(m3/hr)	(m3)
Week 1	49.7	8.0		0.0	3.3	0.00	0.008	0.00	51	2.4	0.1	0.30	0.03	0.00	0.6	01-Jan-18	4124.7	98992.1
																02-Jan-18	4108.9	98613.3
																03-Jan-18	4141.3	99391.0
																04-Jan-18	3759.7	90233.1
																05-Jan-18	4257.8	102187.4
																06-Jan-18	3754.7	90112.1
Week 2	45.1	70.0		0.0	3.6	0.00	0.016	0.03	55	3.6	0.1	0.30	0.03	0.03	0.9	07-Jan-18	3413.5	81922.9
																08-Jan-18	3786.9	90885.4
																09-Jan-18	3436.6	82477.8
																10-Jan-18	4061.8	97482.1
																11-Jan-18	4507.6	108182.8
																12-Jan-18	4668.0	112031.6
Week 3	64.6	39.0		0.0	1.3	0.00	0.012	0.06	58	3.4	0.1	0.40	0.01	0.00	1.9	13-Jan-18	4394.3	105463.9
																14-Jan-18	3930.6	94334.8
																15-Jan-18	4608.6	110605.8
																16-Jan-18	4618.4	110842.6
																17-Jan-18	4504.9	108116.4
																18-Jan-18	4456.2	106949.9
Week 4	209.0	0.0		0.0	1.1	0.00	0.022	0.03	69	2.1	0.1	0.20	0.01	0.03	2.0	19-Jan-18	4679.7	112312.4
																20-Jan-18	4850.2	116404.2
																21-Jan-18	4630.6	111134.7
																22-Jan-18	4241.1	101787.1
																23-Jan-18	3600.1	86402.4
																24-Jan-18	3619.9	86877.7
Week 5																25-Jan-18	3115.9	74781.2
																26-Jan-18	3259.6	78230.2
																27-Jan-18	3361.7	80680.5
																28-Jan-18	3604.2	86501.0
																29-Jan-18	3818.3	91640.2
																30-Jan-18	3441.3	82590.6
Mean Weekly ave. limit	20	220	20	0.1	4	0.1	0.05	0.5	50	5	0.5	2.0	0.5	0.5	5.0	31-Jan-18	4178.0	100271.7
																	4030.2 6000	96723.8 -

* Suspended solids breaches reported on a monthly basis

** Breach to Ammonia,Nitrates and nitries S5N_18_26

Signed on behalf of the Operator

Dated 1-Feb-2018



Form I&S W1 Monthly

Releases to Controlled Waters

Release summary for the month

February-18

Operator: Tata Steel UK Ltd

Release Point: W1 (LSO)

Location: Port Talbot

Permit: BL7108

	S.Solids*	COD	BOD	Sulphides	Thiocyanate	Cyanide	PAH	Phenols	A+N+N	Iron	Lead	Zinc	Nickel	Chromium	Oil**	Date	Discharge	Discharge
	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)		(m3/hr)	(m3)
Week 1	36.6	8.0		No Data	1.0	0.00	0.012	0.01	24.0	2.4	0.1	0.30	0.00	0.00	1.3	01-Feb-18	4288.8	102932.0
																02-Feb-18	5150.6	123614.1
																03-Feb-18	4654.3	111702.9
																04-Feb-18	4606.6	110558.5
																05-Feb-18	3047.1	73130.7
																06-Feb-18	3803.3	91279.5
Week 2	26.6	1.0		No Data	1.0	0.00	0.003	0.00	11.0	5.0	0.1	0.60	0.01	0.01	2.1	07-Feb-18	4598.4	110362.0
																08-Feb-18	4577.9	109868.8
																09-Feb-18	4600.9	110421.4
																10-Feb-18	4324.8	103795.9
																11-Feb-18	3806.5	91357.1
																12-Feb-18	4368.8	104851.6
Week 3	38.0	144.0		No Data	0.0	0.00	0.021	0.01	13.0	4.5	0.1	1.20	0.00	0.01	0.6	13-Feb-18	4084.5	98027.0
																14-Feb-18	3927.8	94266.5
																15-Feb-18	5267.3	126415.9
																16-Feb-18	4699.7	112793.1
																17-Feb-18	4592.0	110208.4
																18-Feb-18	4141.3	99391.6
Week 4	38.0	90.0		No Data	0.3	0.30	0.003	0.01	15.0	3.5	0.0	1.10	0.03	0.01	3.2	19-Feb-18	4464.4	107146.3
																20-Feb-18	3398.7	81569.7
																21-Feb-18	3101.7	74440.6
																22-Feb-18	3442.8	82626.4
																23-Feb-18	4552.4	109257.7
																24-Feb-18	4301.6	103237.6
Week 5																25-Feb-18	5388.5	129324.0
																26-Feb-18	5098.5	122363.0
																27-Feb-18	7056.6	169358.8
																28-Feb-18	6208.0	148992.9
Mean Weekly ave. limit																		
	20	220	20	0.1	4	0.1	0.05	0.5	50	5	0.5	2.0	0.5	0.5	5.0		4484.1 6000	107617.6 -

* Suspended solids breaches reported on a monthly basis

**Awaiting data for sulphides will update sheet when available

Signed on behalf of the Operator

Dated 1-Mar-2018



Form I&S W1 Monthly

Releases to Controlled Waters

Release summary for the month

March-18

Operator: Tata Steel UK Ltd

Release Point: W1 (LSO)

Location: Port Talbot

Permit: BL7108

	S.Solids*	COD	BOD	Sulphides	Thiocyanate	Cyanide	PAH	Phenols	A+N+N	Iron	Lead	Zinc	Nickel	Chromium	Oil**	Date	Discharge	Discharge
	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)	Conc. (mg/l)		(m3/hr)	(m3)
Week 1	48.3	65.0			0.8	0.02	0.026	0.03		3.4	0.2	0.70	0.03	0.03	3.3	01-Mar-18	3922.5	94141.0
																02-Mar-18	7167.2	172013.0
																03-Mar-18	6521.6	156517.0
																04-Mar-18	6794.0	163055.0
																05-Mar-18	6230.3	149528.0
																06-Mar-18	7533.1	180795.0
Week 2	52.9	50.0			2.9	0.00	0.007	0.05		3.2	0.1	0.60	0.04	0.04	2.3	07-Mar-18	6728.2	161477.0
																08-Mar-18	8313.4	199521.0
																09-Mar-18	7606.1	182547.0
																10-Mar-18	7543.0	181032.0
																11-Mar-18	6700.7	160817.0
																12-Mar-18	5613.0	134712.0
Week 3	68.6	0.0			0.5	0.00	0.016	0.00		2.6	0.0	0.30	0.00	0.00	2.8	13-Mar-18	3664.4	87945.0
																14-Mar-18	2731.4	65553.0
																15-Mar-18	3779.4	90705.0
																16-Mar-18	2610.0	62640.0
																17-Mar-18	3179.0	76295.0
																18-Mar-18	3088.0	74113.0
Week 4	60.9	38.0			0.2	0.00	0.064	0.00		2.1	0.0	0.20	0.01	0.04	1.1	19-Mar-18	4508.9	108214.0
																20-Mar-18	5727.0	137448.0
																21-Mar-18	5210.2	125046.0
																22-Mar-18	5186.6	124478.0
																23-Mar-18	5533.2	132797.0
																24-Mar-18	7678.6	184286.0
Week 5	62.9	151			0.5	0		0		2.1	0	0.2	0.01	0.01	0.93	25-Mar-18	8972.5	215340.0
																26-Mar-18	7951.1	190826.0
																27-Mar-18	3953.5	94883.0
																28-Mar-18	4889.3	117343.0
																29-Mar-18	5479.3	131504.0
																30-Mar-18	7605.5	182531.0
Mean Weekly ave. limit	20	220	20	0.1	4	0.1	0.05	0.5	50	5	0.5	2.0	0.5	0.5	5.0	31-Mar-18	8360.0	200640
																	5831.6 6000	139959.4 -

* Suspended solids breaches reported on a monthly basis

**Awaiting data for sulphides will update sheet when available

***Awaiting data for A,N,N will update sheet when available

Signed on behalf of the Operator

Dated 1-Mar-2018



Form I&S W1 Monthly

Releases to Controlled Waters

Release summary for the quarter Jan to Mar-18

Operator: Tata Steel UK Ltd

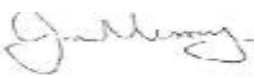
Release Point: W1

Location: Port Talbot

Permit: BL7108

Parameter	Reporting Units	Jan	Month Feb	Mar	Limit
Phenol	Max load (kg/day)	11.2	29.8	18.1	350
	Mean load (kg/day)	2.8	1.8	0.6	
	Max conc. (mg/l)	0.1	0.2	0.1	
	Mean conc. (mg/l)	0.0	0.0	0.0	2
Soluble chromium	Max load (kg/day)	0.0	12.9	0.0	
	Mean load (kg/day)	0.0	0.5	0.0	
	Load (kg/mth)	0.00	12.93	0.00	200
	Max conc. (mg/l)	0.00	0.10	0.00	
	Mean conc. (mg/l)	0.00	0.00	0.00	0.2
Soluble lead	Max load (kg/day)	30.54	33.87	46.96	
	Mean load (kg/day)	6.18	5.45	5.46	
	Load (kg/mth)	191.7	158.0	169.4	300
	Max conc. (mg/l)	0.30	0.30	0.30	
	Mean conc. (mg/l)	0.06	0.05	0.04	0.3
Soluble iron	Max load (kg/day)	265.1	675.5	738.2	
	Mean load (kg/day)	41.8	75.7	65.4	
	Max conc. (mg/l)	3.2	7.4	3.7	
	Mean conc. (mg/l)	0.4	0.8	0.4	
Free cyanide	Max load (kg/day)	0.0	14.9	0.0	45
	Mean load (kg/day)	0.0	0.5	0.0	
	Max conc. (mg/l)	0.0	0.1	0.0	
	Mean conc. (mg/l)	0.00	0.00	0.00	0.2
PAH's	Load (kg/mth)	No PAH results available due to sampling issues			250
	Concentration (mg/l)				1

Signed on behalf of the Operator



Dated 10-Apr-2018

Form I&S W1 Quarterly

Releases to Controlled Waters

Release summary for the quarter Jan to Mar-18

Operator: Tata Steel UK Ltd

Release Point: W5

Location: Port Talbot

Permit: BL7108

Parameter	Reporting Units	Jan	Month Feb	Mar	Limit
Dock Return Suspended solids	Max. monthly conc. of return (mg/l)	106.0	11.2	3.5	20 above background
	Max daily back-ground conc. (mg/l)	106.0	30.0	20.0	
	Mean background conc. (mg/l)	17.6	9.3	9.6	
Dock Flow*	Max daily flowrate (m3/day)	92241	60551	60621	350000
	Mean daily flowrate (m3/day)	66442	9043	33674	
	Max flowrate (m3/hour)	4439	2618	2857	16000
	Mean flowrate (m3/hour)	2769	374	1410	
Abstracted flows (Afan docks feeder)	Max daily abstraction rate (m3/day)	25041	20501	21060	
	Mean daily abstraction rate (m3/day)	23212	16893	18528	
Dock Return Temperature	Max daily discharge temperature (C)	17	18	Data inconclusive	36
	Mean daily discharge temperature (C)	16	15	191	

Signed on behalf of the Operator



Dated 25-Apr-2018

Form I&S W5

Releases to Controlled Waters

Release summary for the quarter Jan to Mar

Operator: Tata Steel UK Ltd

Release Point: W3 (ABO)

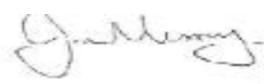
Location: Port Talbot

Permit: BL7108

Parameter	Reporting Units	Jan	Month Feb	Mar	Limit
Suspended solids	Maximum daily* concentration (mg/)	38	59	80	200 (weekly)
	Mean daily concentration (mg/)	18	28	27	
Oil and grease	Maximum daily concentration (mg/)	14	21	59	20 (weekly)
	Mean daily concentration (mg/)	6	8	10	
Number of days of discharge in the month		31	27	31	

* Breaches now reported as weekly averages same as LSO

Signed on behalf of the Operator

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Dated 10-Apr-2018

Form I&S W3

Releases to Controlled Waters

Release summary for the quarter Jan to Mar

Operator: Tata Steel UK Ltd

Release Point: W4

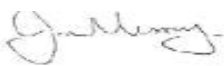
Location: Port Talbot

Permit: BL7108 / RP3730BV

Release Point W4: Spot sample results during storm discharge					
Parameter	Reporting Units	Jan	Month Feb	Mar	Limit
pH	Max daily	9.1	10.4	8.2	
	Mean daily	8.7	8.0	8.2	
	Min daily	0.0	0.0	0.0	
Suspended solids (mg/l)	Max daily conc.	21.0	32.0	45.0	
	Mean daily conc.	20.0	32.0	45.0	
Total iron (mg/l)	Max daily conc.	0.0	0.0	0.0	
	Mean daily conc.	0.0	0.0	0.0	
Soluble iron (mg/l)	Max daily conc.	0.0	0.0	0.0	
	Mean daily conc.	0.0	0.0	0.0	
Oil and grease (mg/l)	Max daily conc.	0.1	0.1	0.0	
	Mean daily conc.	0.1	0.1	0.1	
Number of days of discharge in the month (daily rainfall > 15 mm).		0	0	0	

Date of monthly sample	Suspended solids	pH	Total iron	Soluble iron	Oil and grease
16-Jan-18	21	9.1	0.00	0.00	0.10
05-Feb-18	32	10.4	0.00	0.00	0.10
05-Mar-18	47	8.2	0.00	0.00	0.10

Signed on behalf of the Operator



Dated

25-Apr-2018

Form I&S W4