

Releases to Controlled Waters

Release summary for the month

April-20

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	26.3	81.0		No Data	0.9	0.05	0.0034	0.05	20	1.3	0.1	1.2	0.1	0.1	1.0	01-Apr-20	2227.0	53448.0
																02-Apr-20	2015.1	48363.0
																03-Apr-20	2694.4	64666.0
																04-Apr-20	2254.6	54110.0
																05-Apr-20	2072.6	49743.0
																06-Apr-20	3158.9	75813.0
Week 2	27.4	64.0		No Data	0.4	0.05	0.0029	0.05	21	1.1	0.1	1.2	0.1	0.1	1.0	07-Apr-20	3547.1	85132.0
																08-Apr-20	0.0	0.0
																09-Apr-20	0.0	0.0
																10-Apr-20	0.0	0.0
																11-Apr-20	0.0	0.0
																12-Apr-20	0.0	0.0
Week 3	30.3	67.0		No Data	0.1	0.05	0.0024	0.05	27.5	0.9	0.1	1.5	0.1	0.1	1.7	13-Apr-20	0.0	0.0
																14-Apr-20	0.0	0.0
																15-Apr-20	0.0	0.0
																16-Apr-20	0.0	0.0
																17-Apr-20	0.0	0.0
																18-Apr-20	0.0	0.0
Week 4	19.4	2.0		No Data	0.6	0.05	0.0039	0.04	21.7	1.2	0.1	1.5	0.1	0.1	1.2	19-Apr-20	0.0	0.0
																20-Apr-20	0.0	0.0
																21-Apr-20	0.0	0.0
																22-Apr-20	0.0	0.0
																23-Apr-20	0.0	0.0
																24-Apr-20	0.0	0.0
																25-Apr-20	0.0	0.0
																26-Apr-20	811.4	19473.0
																27-Apr-20	920.3	22088.0
																28-Apr-20	1226.7	29440.0
																29-Apr-20	565.9	13582.0
																30-Apr-20	566.3	13590.0
Mean Weekly ave. limit																		
	150	220	20	0.1	4	0.1	0.05	0.5	50	5	0.5	2.0	0.5	0.5	5.0		735.3 6000	17648.3 -

* Loss of Discharge data between the 8th and 25th April. Schedul 5 notification will be completed

Signed on behalf of the Operator

Dated

6-Aug-2020

Form I&S W1 Monthly

Releases to Controlled Waters

Release summary for the month

June-20

Operator: Tata Steel UK Ltd

Release Point:

W1 (LSO)

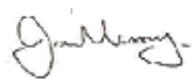
Location: Port Talbot

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	60.3	No Data		No Data	1.2	0.05	0.0100	0.04	21	0.8	0.1	1.57	0.1	0.1	3.0	01-Jun-20	1528.5	40169.0
																02-Jun-20	1673.7	37240.0
																03-Jun-20	1551.7	31319.0
																04-Jun-20	1304.9	40503.0
																05-Jun-20	1687.6	41556.0
																06-Jun-20	1731.5	34364.0
Week 2	34.0	46		No Data	0.7	0.06	0.0400	0.12	26	0.5	0.1	1.5	0.1	0.1	2.0	07-Jun-20	1431.8	32070.0
																08-Jun-20	1336.3	33661.0
																09-Jun-20	1402.5	40562.0
																10-Jun-20	1690.1	34053.0
																11-Jun-20	1418.9	25999.0
																12-Jun-20	1083.3	44595.0
Week 3	41.1	188		No Data	0.6	0.04	No Data	0.05	24	0.8	0.1	1.2	0.1	0.1	2.7	13-Jun-20	1858.1	44916.0
																14-Jun-20	1871.5	48393.0
																15-Jun-20	2016.4	36838.0
																16-Jun-20	1534.9	24569.0
																17-Jun-20	1023.7	39015.0
																18-Jun-20	1625.6	28620.0
Week 4	30.6	7		No Data	0.4	0.01	No Data	0.05	22	1.0	0.1	1.0	0.1	0.1	2.4	19-Jun-20	1192.5	54487.0
																20-Jun-20	2270.3	60796.0
																21-Jun-20	2533.1	60402.0
																22-Jun-20	2516.8	48264.0
																23-Jun-20	2011.0	49611.0
																24-Jun-20	2067.1	44538.0
																25-Jun-20	1855.7	37057.0
																26-Jun-20	1544.1	19725.0
																27-Jun-20	821.9	34509.0
																28-Jun-20	1437.9	47168.0
																29-Jun-20	1965.4	32100.0
																30-Jun-20	1626.7	39040.0
Mean Weekly ave. limit																		
	150	220	20	0.1	4	0.1	0.05	0.5	50	5	0.5	2.0	0.5	0.5	5.0		1653.8 6000	39538.0 -

Signed on behalf of the Operator



Dated

6-Aug-2020

Form I&S W1 Monthly

Releases to Controlled Waters

Release summary for the month

May-20

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	35.4	0.0		No Result	0.2	0.06	0.0036	0.05	25	1.1	0.1	1.8	0.1	0.1	2.5	01-May-20	1017.8	24427.0
																02-May-20	1992.4	47817.0
																03-May-20	1824.0	43776.0
																04-May-20	1422.9	34150.0
																05-May-20	1470.9	35300.0
																06-May-20	1716.5	41196.0
Week 2	23.7	36.0		No Result	0.4	0.05	0.0026	0.05	15	0.8	0.1	1.1	0.1	0.1	2.6	07-May-20	1966.9	47206.0
																08-May-20	1644.1	39458.0
																09-May-20	1736.6	41679.0
																10-May-20	1444.8	34675.0
																11-May-20	1404.0	33696.0
																12-May-20	1470.0	35279.0
Week 3	37.7	37.0		No Result	1.1	0.06	0.0190	0.05	15	0.7	0.1	0.9	0.1	0.1	2.5	13-May-20	1463.9	35133.0
																14-May-20	1480.0	35520.0
																15-May-20	1559.0	37417.0
																16-May-20	1614.0	38735.0
																17-May-20	1646.7	39522.0
																18-May-20	1345.6	32295.0
Week 4	22.0	23.0		No Result	0.3	0.01	0.0134	0.05	22	0.5	0.1	1.1	0.1	0.1	1.6	19-May-20	1147.8	27548.0
																20-May-20	1374.6	32991.0
																21-May-20	1508.5	36205.0
																22-May-20	1571.7	37720.0
																23-May-20	1138.9	27333.0
																24-May-20	1393.7	33449.0
Week 5	28.0	28.0		No Result	0.6	0.05	0.0123	0.05	21	0.3	0.1	1.16	0.1	0.1	3.06	25-May-20	1402.7	33665.0
																26-May-20	1450.4	34811.0
																27-May-20	1575.0	37800.0
																28-May-20	1051.4	25234.0
																29-May-20	1190.7	28576.0
																30-May-20	1128.4	27082.0
Mean Weekly ave. limit	150	220	20	0.1	4	0.1	0.05	0.5	50	5	0.5	2.0	0.5	0.5	5.0	31-May-20	1528.5	36683.3
																	1473.6 6000	35367.0 -

Signed on behalf of the Operator

Dated

6-Aug-2020

Form I&S W1 Monthly

Releases to Controlled Waters

Release summary for the quarter Apr to 31/06/2020

Operator: Tata Steel UK Ltd

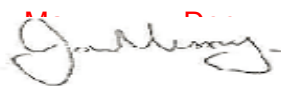
Release Point: W1

Location: Port Talbot

Permit: BL7108

Parameter	Reporting Units	Apr	Month May	Jun	Limit
Phenol	Max load (kg/day)	0.3	0.0	12.8	350
	Mean load (kg/day)	0.0	0.0	0.7	
	Max conc. (mg/l)	0.1	0.0	0.4	
	Mean conc. (mg/l)	0.0	0.0	0.0	2
Soluble chromium	Max load (kg/day)	0.0	0.0	5.0	
	Mean load (kg/day)	0.0	0.0	0.2	
	Load (kg/mth)	0.00	0.00	4.96	200
	Max conc. (mg/l)	0.00	0.00	0.10	
	Mean conc. (mg/l)	0.00	0.00	0.00	0.2
Soluble lead	Max load (kg/day)	0.00	0.00	0.00	
	Mean load (kg/day)	0.00	0.00	0.00	
	Load (kg/mth)	0.0	0.0	0.0	300
	Max conc. (mg/l)	0.00	0.00	0.00	
	Mean conc. (mg/l)	0.00	0.00	0.00	0.3
Soluble iron	Max load (kg/day)	54.2	11.2	14.9	
	Mean load (kg/day)	4.9	0.6	1.8	
	Max conc. (mg/l)	1.8	0.4	0.3	
	Mean conc. (mg/l)	0.2	0.0	0.0	
Free cyanide	Max load (kg/day)	2.9	0.0	0.0	45
	Mean load (kg/day)	0.1	0.0	0.0	
	Max conc. (mg/l)	0.1	0.0	0.0	
	Mean conc. (mg/l)	0.00	0.00	0.00	0.2
PAH's	Load (kg/mth)	1.7	10.5	29.6	250
	Concentration (mg/l)	0.000	0.000	0.000	1

Signed on behalf of the Operator



Dated 6-Aug-2020

Form I&S W1 Quarterly

Releases to Controlled Waters

Release summary for the quarter Apr to 31/06/2020

Operator: Tata Steel UK Ltd

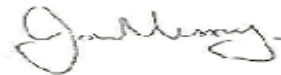
Release Point: W3 (ABO)

Location: Port Talbot

Permit: BL7108

Parameter	Reporting Units	Apr	Month May	Jun	Limit
Suspended solids	Maximum daily* concentration (mg/)	46	22	22	200 (weekly)
	Mean daily concentration (mg/)	19	16	22	
Oil and grease	Maximum daily concentration (mg/)	12	5	5	20 (weekly)
	Mean daily concentration (mg/)	4	5	5	
Number of days of discharge in the month		22	19	13	

Signed on behalf of the Operator



Dated 6-Aug-2020

Form I&S W3

Releases to Controlled Waters

Release summary for the quarter Apr to 31/06/2020

Operator: Tata Steel UK Ltd

Release Point: W4

Location: Port Talbot

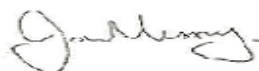
Permit: BL7108 / RP3730BV

Release Point W4: Spot sample results during storm discharge					
Parameter	Reporting Units	Apr		Jun	Limit
pH	Max daily	9.5		8.2	
	Mean daily	8.5		8.0	
	Min daily	8.2		7.7	
Suspended solids (mg/l)	Max daily conc.	340.0		94.0	
	Mean daily conc.	120.0		27.3	
Total iron (mg/l)	Max daily conc.	0.01		1.9	
	Mean daily conc.	0.01		0.8	
Soluble iron (mg/l)	Max daily conc.	0.01		1.9	
	Mean daily conc.	0.01		0.0	
Oil and grease (mg/l)	Max daily conc.	0.5		2.7	
	Mean daily conc.	0.3		1.4	
Number of days of discharge in the month (daily rainfall > 15 mm).		1		4	

Date of monthly sample	Suspended solids	pH	Total iron	Soluble iron	Oil and grease
30-Apr-19	340	9.5	0.01	0.01	0.50
14-Jun-19	94	8.2	1.90	0.00	1.40

* No samples collected during May due to exceptionally low flow.

Signed on behalf of the Operator



Dated

6-Aug-2020

Form I&S W4

Releases to Controlled Waters

Release summary for the quarter Apr to 31/06/2020

Operator: Tata Steel UK Ltd

Release Point: W5

Location: Port Talbot

Permit: BL7108

Parameter	Reporting Units	Apr	Month May	Jun	Limit
Dock Return Suspended solids	Max. monthly conc. of return (mg/l)	5.8	3.6	2.8	20 above background
	Max daily back-ground conc. (mg/l)	5.0	9.4	0.0	
	Mean background conc. (mg/l)	2.8	3.6	8.3	
Dock Flow*	Max daily flowrate (m3/day)	204654	206844	206411	350000
	Mean daily flowrate (m3/day)	182842	167939	65476	
	Max flowrate (m3/hour)	8639	8700	8693	16000
	Mean flowrate (m3/hour)	7630	7006	2732	
Abstracted flows (Afan docks feeder)	Max daily abstraction rate (m3/day)	37102	36481	35412	
	Mean daily abstraction rate (m3/day)	33252	29328	27727	
Dock Return Temperature	Max daily discharge temperature (C)	33	35	35	36
	Mean daily discharge temperature (C)	26.58	30.98	30.54	

Signed on behalf of the Operator

Dated 6-Aug-2020

Form I&S W5