

Releases to Controlled Waters

Release summary for the month April-15

Operator: Tata Steel UK Ltd

Release Point:

W1 (LSO)

Location: Port Talbot

Permit:

BL7108

	S.Solids		Oil & grease		Ammonia		Sol Zinc		Flowrate			Temperature		pH		
	Conc. (mg/l)	Load (kg)	Conc. (mg/l)	Load (kg)	Conc. (mg/l)	Load (kg)	Conc. (mg/l)	Load (kg)	Max Hr (m3/hr)	Mean (m3/hr)	Daily (m3)	Max Hr C	Mean C	Max	Min	Mean
01-Apr-15	114	10496	0	37	14	1289	0.7	64	1682	3836	92069	22	21	8.4	7.5	8.0
02-Apr-15	140	11739	0	8	5	419	0.2	17	1789	3494	83853	24	22	8.5	7.5	8.0
03-Apr-15	26	2100	0	8	8	646	0.2	16	1599	3365	80754	24	24	8.9	8.1	8.5
04-Apr-15	34	1745	1	56	14	719	0.1	5	1821	2138	51323	27	26	8.6	7.4	8.0
05-Apr-15	42	1950	1	60	18	836	0.0	0	2106	1934	46425	29	28	8.3	7.4	7.8
06-Apr-15	36	1842	0	5	14	716	0.2	10	3594	2132	51165	29	26	8.3	6.4	7.7
07-Apr-15	86	5104	0	6	14	831	0.3	18	4232	2473	59348	23	22	8.4	7.3	8.0
08-Apr-15	70	3504	0	5	8	400	0.3	15	3420	2085	50051	25	23	8.7	7.8	8.4
09-Apr-15	68	3592	0	5	8	423	0.0	0	3507	2201	52825	23	22	8.6	7.6	8.2
10-Apr-15	42	2298	1	27	4	219	0.1	5	3475	2280	54710	28	24	8.6	7.8	8.2
11-Apr-15	46	2100	0	5	9	411	0.1	5	2972	1902	45646	27	26	8.5	7.9	8.1
12-Apr-15	42	2209	2	95	13	684	0.2	11	3374	2192	52600	26	26	8.4	7.7	8.1
13-Apr-15	20	1077	0	11	15	808	0.2	11	3818	2244	53863	29	26	8.3	7.3	7.8
14-Apr-15	30	1530	0	5	14	714	0.3	15	3484	2126	51013	30	27	8.4	7.3	7.7
15-Apr-15	74	1454	0	5	9	679	0.2	15	4068	2020	48472	25	24	8.8	7.6	8.3
16-Apr-15	50	1647	0	3	12	395	0.2	7	3328	1373	32949	28	26	8.8	7.7	8.2
17-Apr-15	52	2573	3	124	14	693	0.2	10	5068	2062	49487	27	26	8.8	7.4	8.0
18-Apr-15	34	1712	1	45	7	353	0.4	20	4406	2099	50366	27	25	8.1	7.4	7.8
19-Apr-15	30	1441	0	5	12	576	0.3	14	3874	2002	48040	27	24	8.4	7.7	8.0
20-Apr-15	58	3373	0	6	6	349	0.7	41	3860	2423	58163	25	22	8.4	7.7	8.1
21-Apr-15	40	1936	0	5	10	484	0.5	24	3799	2016	48395	26	22	8.4	7.2	7.8
22-Apr-15	20	937	0	5	9	422	0.5	23	3595	1953	46870	30	21	8.4	7.8	8.1
23-Apr-15	38	2137	5	287	9	506	0.9	51	3751	2344	56250	27	26	8.5	7.8	8.2
24-Apr-15	56	2815	0	5	11	553	0.2	10	2902	2095	50271	29	26	8.3	7.5	8.0
25-Apr-15	50	3201	3	186	12	768	0.4	26	3506	2667	64013	28	27	8.1	7.3	7.7
26-Apr-15	52	3246	3	181	9	562	0.5	31	3282	2601	62429	25	23	8.5	7.4	8.0
27-Apr-15	18	1090	3	151	4	242	0.6	36	3082	2524	60577	25	23	8.6	7.5	8.0
28-Apr-15	30	1574	0	5	5	262	0.9	47	3022	2186	52462	25	24	8.6	7.9	8.3
29-Apr-15	38	2186	1	81	8	460	0.5	29	3335	2397	57531	24	23	8.4	7.6	8.0
30-Apr-15	62	3668	3	177	7	414	0.7	41	3234	2465	59159	26	23	8.3	7.5	7.9
Mean	50	2876	1	53	10	561	0.4	21	-	2321	55703	26.3	24.2	-	-	8.0
Month limit	150	-	25	-	27.5	-	2.5	-	-	-	-	-	-	-	-	-
Max	-	11739	-	287	-	1289	-	64	5068	-	92069	30.0	28.3	8.9	6.4	8.5
Daily limit	-	27500	-	3150	-	4000	-	-	6000	-	-	45.0	40.0	10	6	-

Month total (kg)

Monthly limit (kg)

617

2100

Max pH Min pH

Signed on behalf of the Operator

Dated 26-May-2015

Form I&S W1 Monthly

Release summary for the month of

APR

2015

Operator: Tata Steel UK Ltd

Transfer Points: E1, E2, E9

Location: Port Talbot

Permit: BL7108

Effluent transfer point E1: Coke Ovens BET (No.6 sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	8.9	0.0	0.0	0.0
Suspended Solids	69	12	166	28
Oil & grease	41	7	125	32
Ammoniacal Nitrogen	141	35	320	66
Cyanide	0.6	0.0	2.0	0.5
Monohydric Phenol	1.4	0.1	3.4	1.2

Effluent transfer point E2: Coal stockyards (No.10 sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
Suspended Solids	43	6	148	24
Oil & grease	1	0	4	1

Effluent transfer point E9: Ammonia liquor to BET

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
Ammonical Nitrogen	573	330	1090	202

Signed on behalf of the Operator



Dated 26/05/2015

Form Effluent 1

Release summary for the month of

APR

2015

Operator: Tata Steel UK Ltd

Transfer Points: E3, E4, E5

Location: Port Talbot

Permit: BL7108

Effluent transfer point E3: Blast Furnace clarification ponds (No.1 sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	7.6	6.6	8.4	0.5
Suspended Solids	38	8	196	32
Oil & grease	1	0	17	3
Soluble Zinc	0.8	0.0	11.9	2.1
Total Zinc	1.2	0.2	12.2	2.1

Effluent transfer point E4: Steel Plant clarification ponds (No.5 sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	10.8	10.5	11.1	0.2
Suspended Solids	47	20	152	33
Oil & grease	0	0	4	1
Soluble Zinc	0.0	0.0	0.3	0.1
Total Zinc	0.1	0.0	0.6	0.1

Effluent transfer point E5: Concast (Concast sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	7.7	6.6	8.5	0.5
Suspended Solids	90	2	1064	192
Oil & grease	6	0	52	11
Soluble Zinc	0.1	0.0	2.0	0.4
Total Zinc	0.1	0.0	2.1	0.4

Signed on behalf of the Operator



Dated 26/05/2015

Form Effluent 2

Release summary for the month of

APR

2015

Operator: Tata Steel UK Ltd

Transfer Points: E6, E7, E8

Location: Port Talbot

Permit: BL7108

Effluent transfer point E6: Hot rolling mill (HM canals)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	7.7	7.1	8.2	0.3
Suspended Solids	115	8	302	74
Oil & grease	8	0	23	5

Effluent transfer point E7: CAPL effluent treatment plant (CAPL sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	7.0	6.4	8.1	0.3
Suspended Solids	225	26	820	198
Oil & grease	72	2	178	55

Effluent transfer point E8: Cold mill effluent (Final effluent sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	8.5	5.9	11.3	1.5
Suspended Solids	566	102	3288	549
Oil & grease	19	0	104	23

Signed on behalf of the Operator



Dated 26/05/2015

Form Effluent 3