

Releases to Controlled Waters

Release summary for the month February-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-Feb-15	28	3737	3	374	10	1334	0.2	27	2038	5560	133447	11	10	8.6	7.9	8.4
02-Feb-15	64	9279	2	217	16	2320	0.1	14	2319	6041	144992	17	12	8.6	7.3	8.0
03-Feb-15	32	4911	0	15	10	1535	0.2	31	1962	6394	153457	13	12	9.1	6.9	8.1
04-Feb-15	48	6809	0	14	9	1277	0.3	43	1900	5910	141848	20	11	8.5	6.9	7.6
05-Feb-15	58	8173	1	85	10	1409	0.3	42	2724	5871	140908	12	11	8.8	6.9	8.0
06-Feb-15	24	3702	0	15	9	1388	0.1	15	2307	6427	154248	16	12	7.9	6.0	7.3
07-Feb-15	26	3731	0	57	9	1292	0.3	43	2866	5979	143502	16	13	8.4	7.6	8.1
08-Feb-15	20	2732	1	82	8	1093	0.4	55	2777	5693	136620	18	14	8.0	6.6	7.3
09-Feb-15	30	3789	0	25	10	1263	0.4	51	2240	5262	126291	19	18	10.0	7.5	8.5
10-Feb-15	24	2527	0	11	10	1053	0.0	0	2228	4386	105272	16	18	9.7	6.6	7.4
11-Feb-15	156	13178	0	8	13	1098	0.0	0	2119	3520	84476	17	17	8.2	6.7	7.6
12-Feb-15	94	8990	0	10	15	1435	0.0	0	1852	3985	95642	19	17	7.8	6.5	7.2
13-Feb-15	118	11823	0	10	13	1303	0.0	0	1916	4175	100193	20	18	7.7	6.4	7.1
14-Feb-15	150	16549	0	22	27	2979	0.0	0	2452	4597	110330	21	16	8.0	6.9	7.5
15-Feb-15	36	4124	0	11	19	2177	0.2	23	2118	4773	114563	16	15	7.6	6.1	6.8
16-Feb-15	66	7971	1	133	16	1932	0.2	24	2403	5032	120774	22	16	8.1	6.5	7.4
17-Feb-15	40	5178	0	13	12	1553	0.0	0	3566	5394	129455	18	17	9.1	6.0	7.2
18-Feb-15	40	4998	2	262	13	1624	0.0	0	3560	5207	124957	23	16	7.9	6.1	7.0
19-Feb-15	64	7340	4	436	13	1491	0.2	23	3538	4778	114681	16	15	8.9	6.1	7.5
20-Feb-15	54	6164	3	365	12	1370	0.1	11	4028	4756	114147	22	17	8.1	6.6	7.7
21-Feb-15	78	9072	4	407	8	930	0.1	12	3836	4846	116302	19	17	8.1	6.2	7.2
22-Feb-15	52	5543	0	43	11	1172	0.0	0	2168	4441	106588	22	18	8.6	7.5	7.9
23-Feb-15	68	8167	1	132	12	1441	0.2	24	2732	5004	120103	21	20	8.5	7.6	8.0
24-Feb-15	76	9657	3	318	12	1525	0.3	38	2223	5295	127069	21	20	8.3	7.5	7.9
25-Feb-15	44	5504	1	63	12	1501	0.3	38	2288	5212	125082	22	20	8.2	7.0	7.6
26-Feb-15	30	3494	7	815	12	1398	0.0	0	2251	4852	116459	22	20	8.3	6.9	7.3
27-Feb-15	92	11017	0	838	11	1317	0.6	72	2315	4990	119752	23	21	8.1	6.9	7.2
28-Feb-15	56	7454	0	53	11	1464	0.5	67	2308	5546	133107	21	20	7.9	7.0	7.5
Mean	60	6986	1	173	12	1488	0.2	23	-	5140	123366	18.6	16.1	-	-	7.6
Month limit	150	-	25	-	27.5	-	2.5	-	-	-	-	-	-	-	-	-
Max	-	16549	-	838	-	2979	-	72	4028	-	154248	23.0	20.9	10.0	6.0	8.5
Daily limit	-	27500	-	3150	-	4000	-	-	6000	-	-	45.0	40.0	10	6	-
Month total (kg)								651	Max pH Min pH							
Monthly limit (kg)								2100								

Signed on behalf of the Operator

Dated 26-Mar-2015

Form I&S W1 Monthly

Release summary for the month of

FEB

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	8.9	8.9	0.0
Suspended Solids	123	46	560	94
Oil & grease	53	2	171	40
Ammoniacal Nitrogen	231	151	436	58
Cyanide	0.9	0.3	1.9	0.5
Monohydric Phenol	2.9	2.3	4.0	0.7

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

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
Suspended Solids	98	10	808	153
Oil & grease	1	0	5	1

Effluent transfer point E9: Ammonia liquor to BET

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
Ammonical Nitrogen	808	550	1670	255

Signed on behalf of the Operator



Dated 26/03/2015

Form Effluent 1

Release summary for the month of

FEB

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	7.4	6.9	8.0	0.3
Suspended Solids	41	8	108	24
Oil & grease	0	0	3	1
Soluble Zinc	0.2	0.0	0.6	0.2
Total Zinc	0.4	0.0	1.1	0.3

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

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	9.9	8.8	10.5	0.4
Suspended Solids	206	10	1298	298
Oil & grease	1	0	11	2
Soluble Zinc	0.1	0.0	0.8	0.2
Total Zinc	0.4	0.0	1.0	0.2

Effluent transfer point E5: Concast (Concast sump)

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	7.4	5.8	8.3	0.4
Suspended Solids	46	8	264	52
Oil & grease	3	0	27	6
Soluble Zinc	0.0	0.0	0.5	0.1
Total Zinc	0.1	0.0	0.8	0.2

Signed on behalf of the Operator



Dated 26/03/2015

Form Effluent 2

Release summary for the month of

FEB

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	6.9	8.2	0.3
Suspended Solids	87	11	458	91
Oil & grease	5	0	10	3

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

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	7.2	6.3	8.6	0.5
Suspended Solids	208	40	756	162
Oil & grease	58	19	133	37

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

	Average (mg/l)	Minimum (mg/l)	Maximum (mg/l)	Standard deviation
pH	7.9	5.7	10.2	0.9
Suspended Solids	2489	256	22540	4734
Oil & grease	17	0	94	23

Signed on behalf of the Operator



Dated 26/03/2015

Form Effluent 3