

N5SCHEDULE 5 Notification

Part B

Permit Number:	BL7108IM
Name of Operator:	Tata Steel UK Ltd
Location of Facility:	Port Talbot Works
Part A details	S5N/23/13A
Date Part A submitted	06/02/2023 (13A)

Any more accurate information on the matters notified under Part A	- This Part B applies to Part A notifications S5N/23/13A. - In week 5 (29/01/2023 – 04/02/2023) the Long Sea Outfall (LSO) iron level was breached with a measured value of 6.29 mg/l for the weekly average, and an emission value of 5.79 mg/l with uncertainty applied. The Fe levels at the LSO are captured below in mg/l: <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr><td>29/01/2023</td><td>3</td></tr> <tr><td>30/01/2023</td><td>2.5</td></tr> <tr><td>31/01/2023</td><td>2.7</td></tr> <tr><td>01/02/2023</td><td>11.74</td></tr> <tr><td>02/02/2023</td><td>10.7</td></tr> <tr><td>03/02/2023</td><td>0.92</td></tr> <tr><td>04/02/2023</td><td>12.465</td></tr> </tbody> </table> - Investigations found two possible sources of iron to the effluent system. - Cold Mill Effluent Treatment Plant was processing ferrous chloride solution (FCS) through the plant at the time due to national hydrochloric acid (HCl) shortages. Tata's HCl supplier claimed 'force majeure', with the subsequent effect that acid had to be sourced from other suppliers around the UK and Europe. Some new HCl suppliers wanted FCS in return for the HCl they supplied, which compromised some of the arrangements for FCS removal with the likes of ICL and Hargreaves. At the tail end of the week the FCS tanks at Port Talbot were full with no outlet for removal offsite, and were forced into the decision of either stopping steel production or processing FCS through the plant. Additionally, FCS had to be processed from the Llanwern site due to lack of demand from ICL. - In addition to the FCS processing through the Cold Mill Effluent Plant, No.5 Sump had problems with suspended solids returning from the DC system into the clarifier as a result of issues with the Altrad press operation. This increased the loading of TSS and iron from No.5 sump to No.2 sump.	29/01/2023	3	30/01/2023	2.5	31/01/2023	2.7	01/02/2023	11.74	02/02/2023	10.7	03/02/2023	0.92	04/02/2023	12.465
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Measures taken, or intended to be taken, to prevent a recurrence of the incident	- HCl supply issues have been resolved. Most FCS being taken offsite by ICL and Hargreaves with limited processing through the CMEFF plant. - Altrad filter presses have been brought back to full operation, limiting the TSS loading to No.5 sump.														

Measures to be taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission	Please see above.	
The dates of any Part A notifications in the previous 24 months	Please see attached Excel sheet.	

Name*	Ellie Harrison
Post	Environmental Engineer
Signature	
Date	11/05/2023
Reference	S5N/23/13B

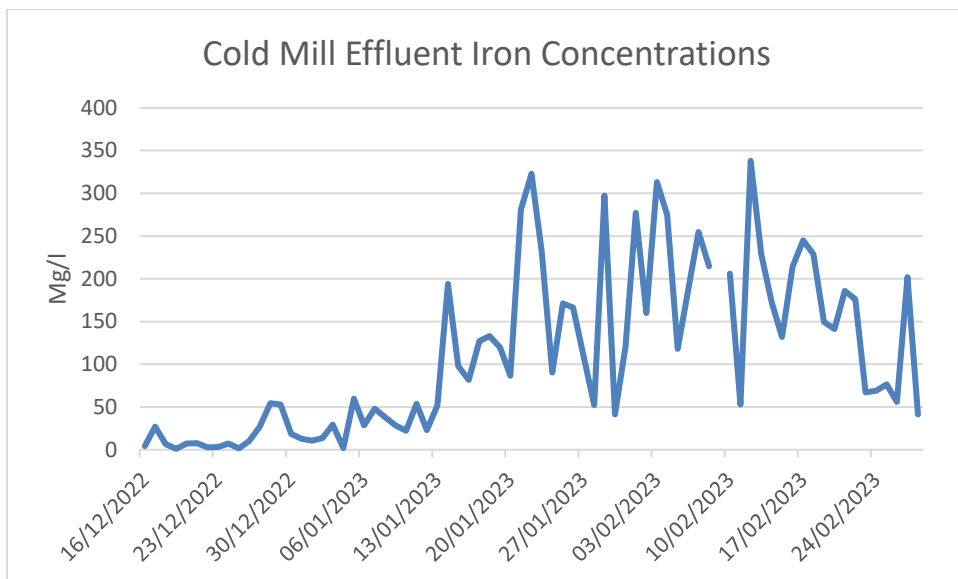


Figure 1: Cold Mill Effluent Fe