



Schedule 1

Notification of Unauthorised Release

Operator:	Tata Steel UK Ltd		
Authorisation:	BS3905IP	Location:	Llanwern Works Newport South Wales NP19 4QZ
Date Submitted:	19/01/2024		

PART B

- **Further details of the release and results of any investigations carried out**

This Part B, S5N_23_77B is a follow-up to the Part A Notifications (S5N_23_77A / S5N_23_78A / S5N_24_02A) for a breach of permit conditions at Llanwern W1 consent point. The breach was elevated suspended solids in effluent. Levels were in excess of 100mg/l limit, recorded on the 7th, 9th, 10th December 2023 and 4th January 2024.

7th Dec 2023 - 320mg/l, with uncertainty applied **284mg/l**

9th Dec 2023 - 241mg/l, with uncertainty applied **205mg/l**

After uncertainty applied of 36mg/l, the weekly average was **96mg/l**

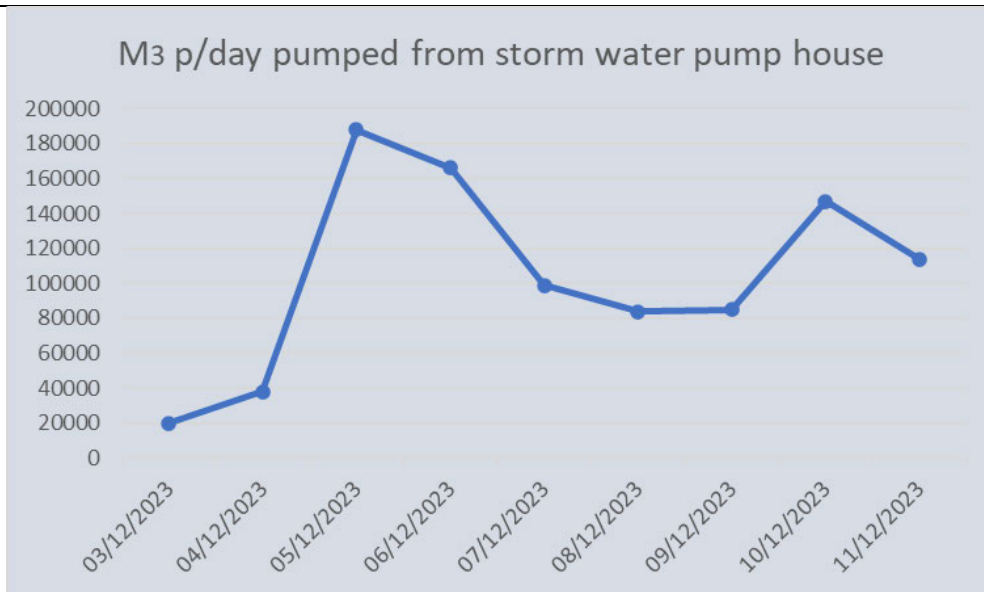
10th Dec 2023 – 209mg/l, with uncertainty applied **173mg/l**

After uncertainty applied of 36mg/l, the weekly average was **29.86mg/l**

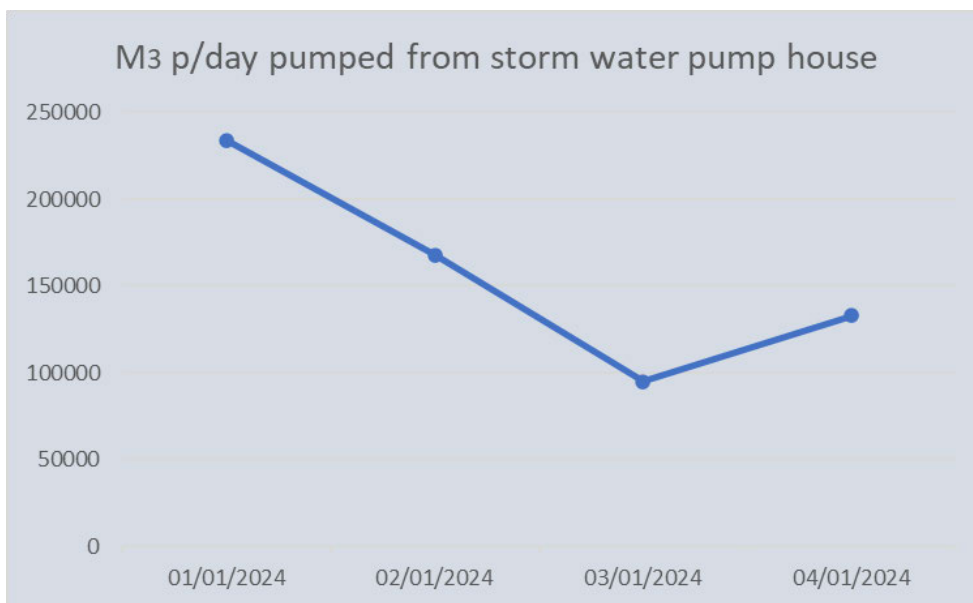
4th Jan 2024 – 187mg/l, with uncertainty applied **151mg/l**

After uncertainty applied of 36mg/l, the weekly average was **81.71mg/l**

Information from external off-site influences, inlet and outlet drains, storm water pump house and Tata weather station data was used for the investigation.

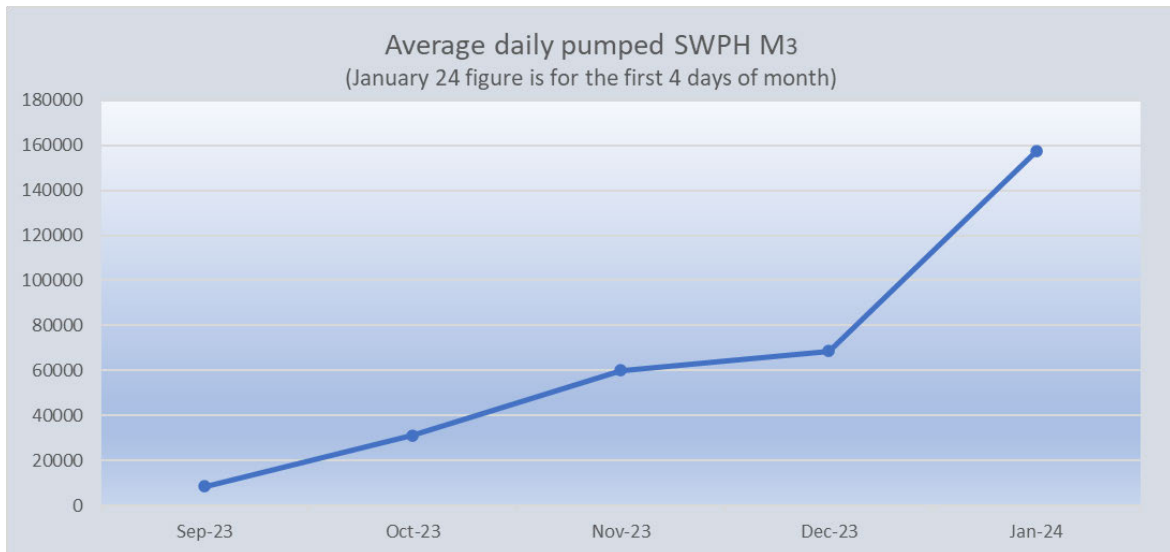


Graph A



Graph B

Heavy rainfall in Llanwern and the surrounding areas was evident at the time of the breach periods of the 7th, 9th, 10th December 2023 and 4th January 2024. Significantly increased volumes of water pumped through the storm water pump house (see graph A&B). To note, the volume is not just surface and effluent waters from plant operations but surface waters from surrounding land and reens on the north, roadways and development land to the west of site, where an increase in turbidity between the 4th and 6th December associated with heavy rainfall.



Graph C

We have seen an increase in the daily average volumes of waters increase over the latter part of 2023 and into early January 2024,(see graph C), which also compares with precipitation levels on weather station.

4 storms registered in a close space of time by the Met office.

Elin	9 December 2023
Fergus	9 December 2023
Gerrit	26 December 2023
Henk	2 January 2024

Data from UK Met Office website

This increase in storm waters added to existing site process water volumes can increase the likelihood of elevated suspended solids. However, weekly averages have been maintained under 100mg/l on all of the recorded breach periods.

- **Measures taken or intended to be taken to prevent a recurrence of the incident**

Continue to monitor inlet and outlet drains and offsite influences.



- **Measures taken, or intended to be taken, to: rectify, limit or prevent any pollution of the environment or harm which has been caused by the emission**

Continue to monitor inlet and outlet drains and offsite influences. Continue to pump storm waters to reduce the risk of flooding.

- **The dates of any PART A notifications within the previous 24 months**

- 4th January 2024 – Suspended Solids W1 consent point
- 10th December 2023 – Suspended Solids W1 consent point
- 7th & 9th December 2023 – Suspended Solids W1 consent point
- 23rd June 2023 – Hydrocarbons W1 consent point
- 23rd May 2023 – Suspended Solids W1 consent point
- 23rd March 2023 – Suspended Solids W1 consent point
- 24th January 2023 - Suspended Solids W1 consent point
- 2nd January 2023 - Suspended Solids W1 consent point
- 24th December 2022 - Suspended Solids W1 consent point
- 15th December 2022 - Suspended Solids W1 consent point
- 5th December 2022 – Copper W1 consent point
- 25th October 2022 – Suspended Solids W1 consent point
- 8th August 2022 – Hydrocarbons W1 consent point
- 2nd June 2022 – Suspended Solids W1 consent point
- 29th January 2022 – Suspended Solids W1 consent point
- 21st January 2022 – Suspended Solids W1 consent point

Name: [REDACTED] **Position:** Environment Officer

Signature: [REDACTED]

[Signed on behalf of Tata Steel UK]