



Schedule 1

Notification of Unauthorised Release

Operator: Tata Steel UK Ltd

Authorisation: BS3905IP **Location:** Llanwern Works
Newport
South Wales
NP19 4QZ

Date Submitted: 17/04/2024

PART B

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

This Part B S5N_24_09B is a follow-up to the Part A Notifications (S5N_24_09A / S5N_24_13A) 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 4th and 15th February 2024.

4th February 2024 – 328mg/l, with uncertainty applied **292mg/l**
After uncertainty applied of 36mg/l, the weekly average was **50mg/l**

15th February 2024 – 344mg/l, with uncertainty applied **308mg/l**
After uncertainty applied of 36mg/l, the weekly average was **63.14mg/l**

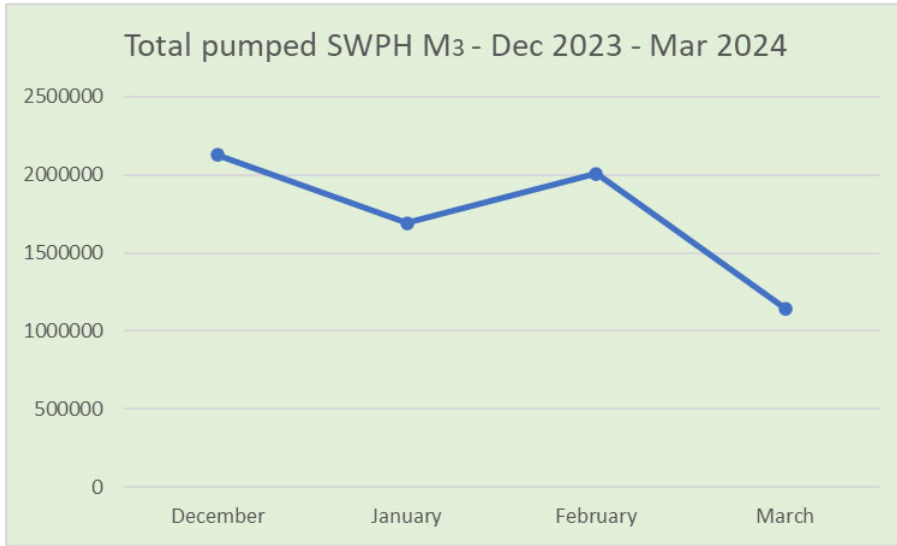
Information from external off-site influences, inlet and outlet drains, storm water pump house and Tata weather station data was used for the investigation.

Increased volumes of water pumped through the storm water pump house (SWPH) in February 2024, as shown in graphs 1 & 2. Particularly when compared with data from December 2023 where previous elevated suspended solids notifications were recorded. The volume is associated with rainfall, surface and effluent waters from plant operations, surface waters from surrounding land and reens on the north of site, development land to the west of site and main highway.

Elevated suspended solids were recorded at drain 2 south (outlet), St Modwens development, on the 3rd and 14th February, day prior to breach at W1, as shown in table A. Drain 6,7,8 & 9 north (inlet) and south (outlet) spot sample results show elevated suspended solids on the 4th and 15th February, as shown in table B.



Graph 1



Graph 2

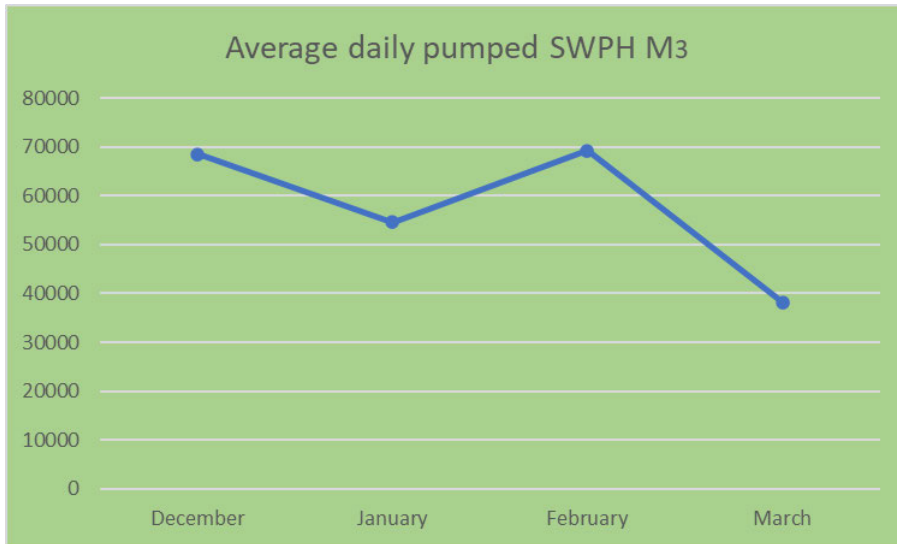


Table A

Client: Rodgers Leask Environmental					TATA WQS																						
Chemist Job No.:					24-03405	24-03405	24-03408	24-03595	24-03862	24-04028	24-04169	24-04169	24-04500	24-04348	24-04784	24-04823											
Chemist Sample ID.:					1762447	1762449	1762455	1763374	1764468	1764969	1765518	1765519	1767173	1766184	1767855	1768022											
Order No.:																											
Sample Type:																											
Sample Sub-Type:																											
Date Sampled:					03/02/2024	04/02/2024	05/02/2024	06/02/2024	07/02/2024	08/02/2024	10/02/2024	11/02/2024	12/02/2024	13/02/2024	14/02/2024	15/02/2024											
Determinand	Accred.	SOP	Units	LOD																							
pH	U	1010		N/A	10.00	8.2	8.1	8.1	7.9	8.2	7.9	8.1	8.1	8.3	8.0	8.0	8.4										
Suspended Solids At 105C	U	1030	mg/l	5.00	50.00	99	< 5.0	< 5.0	< 5.0	< 5.0	40	5	< 5.0	< 5.0	< 5.0	16											
Total Dissolved Solids	N	1020	mg/l	1.00		510	510	490	490	430	290	310	310	380	360	360	350										

Table B

	mg/l
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Spot sampling suspended solids average	03/02/2024	04/02/2024	14/02/2024	15/02/2024
Drains 6 to 9 outlet	54.5	257	69.5	91.5
Drains 6 to 9 inlet	18.5	39.5	37.5	30

• **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**

- 15th February 2024 – Suspended Solids W1 consent point
- 4th February 2024 – Suspended Solids W1 consent point
- 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

Name: [REDACTED]

Position: Environment Officer

Signature: [REDACTED]

[Signed on behalf of Tata Steel UK]