

Compliance Assessment Report

Report ID:
CAR_NRW0027093

This form will report compliance with your permit as determined by an NRW officer

Site	Port Talbot Steel Works EPR/BL7108IM	Permit Ref	BL7108IM		
Operator/Permit holder	Tata Steel UK Limited				
Regime	Installations				
Date of assessment	30/09/2016	Time in	N/A	Out	N/A
Assessment type	Check Monitoring/Sampling				
Parts of the permit assessed	3 Emissions and Monitoring; 4 Information				
Lead officer's name	Cowie, Douglas				
Accompanied by					
Recipient's name/position	Jason Heatman/ Senior Environmental Engineer	Date issued	23/02/2017		

Section 1 – Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations or the licence under the Water Resources Act 1991 as amended by the Water Act 2003. A detailed explanation is captured in "Compliance Assessment Report Detail" (Section 2) and any actions you may need to take are given in the "Action(s)" (section 4). This summary details where we believe any non-compliance with the permit has occurred, the relevant condition and how the non-compliance has been categorised using our Compliance Classification Scheme (CCS). CCS Scores can be consolidated or suspended where appropriate, to reflect the impact of some non-compliances more accurately. For more details of our CCS scheme, contact your local office.

Permit conditions and compliance summary	CCS Category	Condition(s) breached
A1 - Infrastructure - Specified by permit	A	
C2 - Infrastructure - Management system and operating procedures	A	
E1 - Infrastructure - Air	C3 - Suspended	3.1.2 Emissions to air
	C3 - Suspended	3.1.2 Emissions to air
	C3	3.1.2 Emissions to air
	C3	3.1.2 Emissions to air
	C3	3.1.2 Emissions to air
	C3	3.1.2 Emissions to air
E3 - Infrastructure - Surface water	C3	3.1.2 Emissions to water
G2 - Infrastructure - Records of activity, site diary/journal/events	A	

KEY: See Section 5 for breach categories, suspended scores will be indicated as such.

A = Assessed or assessed in part (no evidence of non-compliance), **X** = Action only,

O = Ongoing non-compliance, not scored.

Number of breaches recorded	7	Total compliance score (see section 5 for scoring scheme)	20
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If the Number of breaches recorded is greater than zero, please see Section 3 for our proposed enforcement response

Section 2 – Compliance Assessment Report Detail

This section contains a report of our findings and will usually include information on:

- The part(s) of the permit that were assessed (eg. Maintenance, training, combustion plant, etc)
- Where the type of assessment was 'Data Review' details of the report/results triggering the assessment
- Any non-compliances identified
- Any non-compliances with directly applicable legislation
- Details of any multiple non-compliances
- Information on the compliance score accrued inc.
- Details of advice given
- Any other areas of concern
- Any actions requested
- Any examples of good practice
- A reference to photos taken

Site description

Tata Steel UK Ltd (Tata) operates an integrated iron and steel works at Port Talbot, Neath Port Talbot. The site is permitted as an installation under the Environmental Permitting Regulations (EPR). The steelworks has several identifiable permitted processes which are carried out sequentially across the installation to convert raw iron ores and coal to semi finished (slab) and finished steel products (such as hot rolled, pickled and oiled, cold rolled and annealed). The permit also covers coke making and the reception, stockpiling and blending of raw iron making materials. Three other companies, Cambrian Stone, Harsco Metals and ICL, undertake separately-permitted slag handling, iron plating and cold mill effluent treatment activities at the steelworks on Tata's behalf.

Purpose of visit/assessment

Condition 4.3.1(a) of permit BL7108IM requires the operator to inform Natural Resources Wales (NRW) in the event that the operation of the (permitted) activities gives rise to an incident or accident which significantly affects or may significantly affect the environment.

Condition 4.3.1(b) of permit BL7108IM requires the operator to inform NRW in the event of a breach of any permit condition.

Condition 4.3.2 specifies that any information provided under condition 4.3.1 where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in Schedule 5 to this permit within the time period specified in that schedule.

Schedule 5 of the permit outlines the information that the operator must provide and is divided into Part A and Part B. The schedule provides a framework/template for informing and/or notifying NRW in accordance with the requirements of condition 4.3.1.

Condition 3.1.2 requires that the limits given in Schedule 3 of the permit (point source emissions) shall not be exceeded.

The following operator notifications have been received concerning breaches/exceedances, incidents or accidents which occurred or were notified to us during Quarter 3 2016 (01 July – 30 September):

Sinter Plant

S5N/16/49 received on 03/07/16 – A1 Sinter Plant Main Stack

S5N/16/54 received on 11/07/16 – A1 Sinter Plant Main Stack

S5N/16/55 received on 18/07/16 – A1 Sinter Plant Main Stack

S5N/16/56 received on 25/07/16 – A1 Sinter Plant Main Stack

S5N/16/58 received on 01/08/16 – A1 Sinter Plant Main Stack

S5N/16/64 received on 09/08/16 – A1 Sinter Plant Main Stack

S5N/16/68 received on 15/08/16 – A1 Sinter Plant Main Stack

S5N/16/76 received on 12/09/16 – A1 Sinter Plant Main Stack

S5N/16/78 received on 19/09/16 – A1 Sinter Plant Main Stack

BOS Plant

S5N/16/50 received on 04/07/16 – A14 BOS Plant Secondary FEP North
S5N/16/51 received on 04/07/16 – A16 BOS Plant Secondary FEP South
S5N/16/53 received on 11/07/16 – A16 BOS Plant Secondary FEP South
S5N/16/57 received on 25/07/16 – A16 BOS Plant Secondary FEP South
S5N/16/59 received on 01/08/16 – A10 BOS Plant Hot Metal Pouring FEP
S5N/16/60 received on 01/08/16 – A14 BOS Plant Secondary FEP North
S5N/16/61 received on 01/08/16 – A16 BOS Plant Secondary FEP South
S5N/16/63 received on 02/08/16 – A10 BOS Plant Hot Metal Pouring FEP
S5N/16/65 received on 09/08/16 – A10 BOS Plant Hot Metal Pouring FEP
S5N/16/66 received on 09/08/16 – A14 BOS Plant Secondary FEP North
S5N/16/67 received on 09/08/16 – A16 BOS Plant Secondary FEP South
S5N/16/69 received on 22/08/16 – A10 BOS Plant Hot Metal Pouring FEP
S5N/16/70 received on 22/08/16 – A14 BOS Plant Secondary FEP North
S5N/16/71 received on 22/08/16 – A16 BOS Plant Secondary FEP South
S5N/16/73 received on 30/08/16 – A16 BOS Plant Secondary FEP South
S5N/16/74 received on 05/09/16 – A16 BOS Plant Secondary FEP South
S5N/16/79 received on 19/09/16 – A16 BOS Plant Secondary FEP South
S5N/16/80 received on 26/09/16 – A16 BOS Plant Secondary FEP South

Surface waters

S5N/16/52 received on 04/07/16 – W1 Long Sea Outfall
S5N/16/62 received on 01/08/16 – W1 Long Sea Outfall
S5N/16/75 received on 05/09/16 – W1 Long Sea Outfall
S5N/16/77 received on 14/09/16 – W3 Abbey Beach Outfall

Coke Ovens

UR/16/63 received on 05/08/16 – A54 Morfa Coke Oven Batteries
UR/16/82 received on 06/10/16 – A54 Morfa Coke Oven Batteries

Fuel storage

S5N/16/72 received on 22/08/16 – Phoenix Wharf Tank Farm

Compliance assessment

Sinter Plant

S5N/16/49: Schedule 1 Part A received 03 July 2016 (by email)

Daily mean (average) for particulates recorded at emission point A1:

30/06/2016: 42.35mg/m³

03/07/2016: 49.48mg/m³

S5N/16/54: Schedule 1 Part A received 11 July 2016 (by email)

Daily mean (average) for particulates recorded at emission point A1:

04/07/2016: 41.17mg/m³

S5N/16/55: Schedule 1 Part A received 18 July 2016 (by email)

Daily mean (average) for particulates recorded at emission point A1:

12/07/2016: 47.53mg/m³
13/07/2016: 42.33mg/m³
14/07/2016: 42.13mg/m³

A1: Sinter plant main stack

Permitted limit is 40.00mg/m³ as a daily mean

The operator has specified that a measurement uncertainty factor of +/- 30% should be applied to the reported results.

Part A operator comment: *This is a new limit and this has been discussed at length with the NRW. Significant project work has been completed and planned ahead in order to comply with this limit and a plan will be submitted to the NRW in due course.*

After applying the appropriate measurement uncertainty factor, these marginal exceedances remain within the permitted limit of 40.00mg/m³. No non-compliance (CCS) score has been applied to these particular events.

S5N/16/56: Schedule 1 Part A received 25 July 2016 (by email)

Daily mean (average) for particulates recorded at emission point A1:

18/07/2016: 40.89mg/m³
19/07/2016: 49.08mg/m³
21/07/2016: 56.10mg/m³
23/07/2016: 71.29mg/m³
24/07/2016: 94.41mg/m³

A1: Sinter plant main stack

Permitted limit is 40.00mg/m³ as a daily mean

The operator has specified that a measurement uncertainty factor of +/- 30% should be applied to the reported results.

Part A operator comment: *This is a new limit and this has been discussed at length with the NRW. Significant project work has been completed and planned ahead in order to comply with this limit and a plan will be submitted to the NRW in due course.*

NRW has not received any Schedule 5 Part B information from the operator for these exceedances. We have however discussed the introduction of this new daily mean ELV for particulates at A1 during other compliance interventions in 2016. During these interventions, relevant information that would normally be included in a Part B was supplied by Tata. NRW's findings are detailed in **CAR_NRW0024806**, **CAR_NRW0025274** and **CAR_NRW0026798**.

Following discussion with the operator during March 2016, NRW agreed to accept a weekly written Schedule 5 notification from Tata in the event of continued breaches of the particulate daily mean ELV at A1. This is confirmed in our email to Tata dated 16 March 2016.

After applying the appropriate measurement uncertainty factor, the exceedance recorded at A1 on 21/07/2016 remains non-compliant with the permit limit and Condition 3.1.2. **One CCS Category 3 score** has been recorded in response to this non-compliance.

We have assessed and consolidated all notified exceedances of this ELV at A1 during Quarter 3 (July – September) 2016 under a single CCS3 score for S5N/16/56 confirmed above, in line with Annex 3 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). The notifications for A1 which have been consolidated during Quarter 3 are listed below:

S5N/16/58 received on 01/08/16
S5N/16/64 received on 09/08/16
S5N/16/68 received on 15/08/16
S5N/16/76 received on 12/09/16
S5N/16/78 received on 19/09/16

BOS Plant

S5N/16/50: Schedule 1 Part A received 04 July 2016 (by email)

Daily mean (average) for particulates recorded at emission point A14:

27/06/2016: 18.81mg/m³

28/06/2016: 16.39mg/m³

A14: BOS Plant Secondary FEP North

Permitted limit is 15.00mg/m³ as a daily mean

The operator has specified that a measurement uncertainty factor of +/- 6.1% should be applied to the reported results.

Part A operator comment: *An investigation has been undertaken between the BOS plant and environment. There have been significant outcomes to improve on the performance of the emissions points. As a result of one emission point (fan 5) being down for improvements, as well as improvements needed for fan 4, it is understood that these are major contributory factors to the breaches. Work has begun on fan 4 to replace a number of faulty bags following a dye test and plans are being developed to identify, isolate and resolve bag issues in further compartments for both fan 4 and 6. A secondary meeting has been organised to discuss improvements and to understand what progress has been made, where following bag replacements the follow up notification will be submitted.*

We have assessed and consolidated all notified exceedances of this ELV at A14 during Quarter 2 (April – June) 2016 in our assessment for S5N/16/13 in **CAR_NRW0027092**, in line with Annex 3 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). This consolidation includes the exceedances which took place on 27 and 28 June 2016.

S5N/16/51: Schedule 1 Part A received 04 July 2016 (by email)

Daily mean (average) for particulates recorded at emission point A16:

27/06/2016: 23.83mg/m³

28/06/2016: 21.99mg/m³

29/06/2016: 18.91mg/m³

30/06/2016: 19.02mg/m³

01/07/2016: 21.38mg/m³

02/07/2016: 22.30mg/m³

03/07/2016: 22.06mg/m³

A16: BOS Plant Secondary FEP South

Permitted limit is 15.00mg/m³ as a daily mean

The operator has specified that a measurement uncertainty factor of +/- 6.1% should be applied to the reported results.

Part A operator comment: *An investigation has been undertaken between the BOS plant and environment. There have been significant outcomes to improve on the performance of the emissions points. As a result of one emission point (fan 5) being down for improvements, as well as improvements needed for fan 6, it is understood that these are major contributory factors to the breaches. Work has begun on fan 4 to replace a number of faulty bags following a dye test and plans are being developed to identify, isolate and resolve bag issues in further compartments for both fan 4 and 6. A secondary meeting has been organised to discuss improvements and to understand what progress has been made, where following bag replacements the follow up notification will be submitted.*

The operator subsequently provided a Schedule 5 Part B notification containing the following additional information and representations:

There has been a significant amount of bag improvement work done on fan 4 (A14) along with fan 6 (A16). During this period fan 5 (A15) has also been offline for the same maintenance (as seen within timeline provided by Tata Steel dated 01/08/2016 RE: FEP Recovery Plan). The breaches for A14 and A16 have been attributed to a number of factors: Fan 5 being down for maintenance has resulted largely in A14 and A16 dealing with the increase in gas volume through their systems. This is in addition to both having reduced capability associated with their respective bag filter systems due to the significant improvement work noted above. For fan 6 the improvement work is still on going with dye tests throughout the separate compartments and bag changes/upgrades.

During the period of maintenance, bag compartments were segregated in fans 4 and fan 6 and compromised bags were replaced following the dye test inspections. It has been highlighted that there was an opportunity to make an improvement with an upgrade in bag design and subsequently the bags replaced with a more durable Kevlar bag for improved performance. There is a planned stop for A16 from the 19th September expected to last between five to six weeks, the stop will include a drive upgrade and dependent on the delivery of new bags a full bag system change on those requiring it, such as undertaken by A15.

We have discussed the introduction of this new daily mean ELV for particulates at A16 during other compliance interventions in 2016. NRW's findings are detailed in **CAR_NRW0025273** and **CAR_NRW0031151**.

Following discussion with the operator during March 2016, NRW agreed to accept a weekly written Schedule 5 notification from Tata in the event of continued breaches of the particulate daily mean ELV at A16. This is confirmed in our email to Tata dated 26 April 2016.

We have assessed and consolidated all notified exceedances of this ELV at A16 during Quarter 2 (April – June) 2016 in our assessment for S5N/16/14 in **CAR_NRW0027092**, in line with Annex 3 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). This consolidation includes the exceedances which took place on 27 – 30 June 2016.

After applying the appropriate measurement uncertainty factor, the exceedance recorded at A16 on 01/07/2016 remains non-compliant with the permit limit and Condition 3.1.2. **One CCS Category 3 score** has been recorded in response to this non-compliance.

We have assessed and consolidated all notified exceedances of this ELV at A16 during Quarter 3 (July – September) 2016 under a single CCS3 score for S5N/16/51 confirmed above, in line with Annex 3 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). The notifications for A16 which have been consolidated during Quarter 3 are listed below:

S5N/16/53 received on 11/07/16

S5N/16/57 received on 25/07/16

S5N/16/61 received on 01/08/16

S5N/16/67 received on 09/08/16

S5N/16/71 received on 22/08/16
S5N/16/73 received on 30/08/16
S5N/16/74 received on 05/09/16
S5N/16/79 received on 19/09/16
S5N/16/80 received on 26/09/16

S5N/16/59: Schedule 5 Part A received 01 August 2016 (by email)

Daily mean (average) for particulates recorded at emission point A10:

30/07/2016: 18.22mg/m³

31/07/2016: 31.00mg/m³

A10: BOS Plant Hot Metal Pouring Bay FEP

Permitted limit is 15.00mg/m³ as a daily mean

The operator has specified that a measurement uncertainty factor of +/- 6.1% should be applied to the reported results.

Part A operator comment: *Breaches identified by environmental department, email sent to relevant personnel within the BOS Plant to investigate cause of the emission. An investigation will be underway to check if the readings were as a result of emissions and not any other influence. There is ongoing work for both A10 and A10A bag filter system to improve performance.*

The operator subsequently provided a Schedule 5 Part B notification containing the following additional information and representations:

Breach days and nature of elevated emissions:

30th July – 3rd August 2016 - Fan suction poor due to 3A being offline for upgrades. These breaches began on a Saturday (30th July); the next clean of the silos was due for the 2nd August. During this period there was unexpected issue with the screw feed, resulting in a greater build-up of material within the system than usual. This resulted in 27t being removed from 3A silo on the 2nd compared to the typical amount of 18t combined 3 and 3A. This was followed up by a further clean on Thursday 4th, removing a further 17t combined from 3 and 3A. Again, this is an abnormal condition out of normal operation.

There is significant work on going to improve the bag filter system for fan 3 (A10). It will see the installation of more bag filters for the ongoing improvement of the filter system for A10.

We have discussed the introduction of this new daily mean ELV for particulates at A10 during other compliance interventions in 2016. NRW's findings are detailed in **CAR_NRW0025273** and **CAR_NRW0031151**.

Following discussion with the operator during August 2016, NRW agreed to accept a weekly written Schedule 5 notification from Tata in the event of continued breaches of the particulate daily mean ELV at A10. This is confirmed in our email to Tata dated 3 August 2016.

After applying the appropriate measurement uncertainty factor, the exceedance recorded at A10 on 30/07/2016 remains non-compliant with the permit limit and Condition 3.1.2. **One CCS Category 3 score** has been recorded in response to this non-compliance.

We have assessed and consolidated all notified exceedances of this ELV at A10 during Quarter 3 (July – September) 2016 under a single CCS3 score for S5N/16/59 confirmed above, in line with Annex 3 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). The notifications for A10 which have been consolidated during Quarter 3 are listed below:

S5N/16/63 received on 02/08/16

S5N/16/65 received on 09/08/16

S5N/16/69 received on 22/08/16

S5N/16/60: Schedule 1 Part A received 19 April 2016 (by email).

Daily mean (average) for particulates recorded at emission point A14:

30/07/2016: 17.77mg/m³

31/07/2016: 16.49mg/m³

A14: BOS Plant Secondary FEP North

Permitted limit is 15.00mg/m³ as a daily mean

The operator has specified that a measurement uncertainty factor of +/- 6.1% should be applied to the reported results.

Part A operator comment: *An investigation has been undertaken between the BOS plant and environment. There have been significant outcomes to improve on the performance of the emissions points. As a result of one emission point (fan 5) being down for improvements, as well as improvements needed for fan 6, it is understood that these are major contributory factors to the breaches. Work has begun on fan 4 to replace a number of faulty bags following a dye test and plans are being developed to identify, isolate and resolve bag issues in further compartments for both fan 4 and 6. A secondary meeting has been organised to discuss improvements and to understand what progress has been made, where following bag replacements the follow up notification will be submitted.*

The operator subsequently provided a Schedule 5 Part B notification containing the following additional information and representations:

There has been a significant amount of bag improvement work done on fan 4 (A14) along with fan 6 (A16). During this period fan 5 (A15) has also been offline for the same maintenance (as seen within timeline provided by Tata Steel). The breaches for A14 and A16 have been attributed to a number of factors: Fan 5 being down for maintenance has resulted largely in A14 and A16 dealing with the increase in gas volume through their systems. This is in addition to both having reduced capability associated with their respective bag filter systems due to the significant improvement work noted above. For fan 6 the improvement work is still on going with dye tests throughout the separate compartments and bag changes/ upgrades.

During the period of maintenance, bag compartments were segregated in fans 4 and fan 6 and compromised bags were replaced following the dye test inspections. It has been highlighted that there was an opportunity to make an improvement with an upgrade in bag design and subsequently the bags replaced with a more durable Kevlar bag for improved performance.

We have discussed the introduction of this new daily mean ELV for particulates at A14 during other compliance interventions in 2016. NRW's findings are detailed in **CAR_NRW0025273** and **CAR_NRW0031151**.

Following discussion with the operator during March 2016, NRW agreed to accept a weekly written Schedule 5 notification from Tata in the event of continued breaches of the particulate daily mean ELV at A14. This is confirmed in our email to Tata dated 26 April 2016.

After applying the appropriate measurement uncertainty factor, the exceedance recorded at A14 on 30/07/2016 remains non-compliant with the permit limit and Condition 3.1.2. **One CCS Category 3 score** has been recorded in response to this non-compliance.

We have assessed and consolidated all notified exceedances of this ELV at A14 during Quarter 3 (July – September) 2016 under a single CCS3 score for S5N/16/60 confirmed above, in line with Annex 3 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). The notifications for A14 which have been consolidated during Quarter 3 are listed below:

S5N/16/66 received on 09/08/16

S5N/16/70 received on 22/08/16

Surface waters

S5N/16/52: Schedule 5 Part A received 4 July 2016 (by email)

Weekly average for suspended solids recorded at emission point W1:

29/05/2016 – 04/06/2016: 68.60mg/l

05/06/2016 – 11/06/2016: 50.30mg/l

12/06/2016 – 18/06/2016: 61.10mg/l

19/06/2016 – 25/06/2016: 45.10mg/l

26/06/2016 – 02/07/2016: 37.70mg/l

S5N/16/62: Schedule 5 Part A received 1 August 2016 (by email)

Weekly average for suspended solids recorded at emission point W1:

03/07/2016 – 09/07/2016: 33.70mg/l

10/07/2016 – 16/07/2016: 29.70mg/l

17/07/2016 – 23/07/2016: 32.30mg/l

24/07/2016 – 31/07/2016: 30.00mg/l

S5N/16/75: Schedule 5 Part A received 5 September 2016 (by email)

Weekly average for suspended solids recorded at emission point W1:

31/07/2016 – 06/08/2016: 30.60mg/l

07/08/2016 – 13/08/2016: 38.00mg/l

14/08/2016 – 20/08/2016: 43.10mg/l

21/08/2016 – 27/08/2016: 48.60mg/l

28/08/2016 – 03/09/2016: 34.00mg/l

W1: Long Sea Outfall

Permitted limit for discharge is no more than 20mg/litre above background concentration at emission point W9

The operator has specified that a measurement uncertainty factor of +/- 1.00mg/l should be applied to the reported result.

Part A operator comment: *This is a new limit and this has been discussed at length with the NRW. Awaiting confirmation once NRW develops its position on emission limits for certain water pollutants.*

NRW has not received any Schedule 5 Part B information from the operator for these exceedances. We have however discussed the introduction of this new weekly average ELV for suspended solids at W1 during other compliance interventions in 2016. During these interventions, relevant information that would normally be included in a Part B was supplied by Tata. NRW's findings are detailed in **CAR 6116** and **CAR_NRW0031159**.

Following discussion with the operator during March 2016, NRW agreed to accept a monthly

written Schedule 5 notification from Tata in the event of continued breaches of the suspended solids weekly average ELV at W1. This is confirmed in our email to Tata dated 21 March 2016.

At a higher level NRW is considering how it applies emission limits for certain water pollutants in environmental permits and it is considering its position on Biological Oxygen Demand (BOD) and suspended solids monitoring requirements for discharges into the sea. Further information will be cascaded to Tata Steel during 2017 as NRW develops its position. In the meantime these exceedances at W1 will not be scored as non-compliant.

S5N/16/77: Schedule 5 Part A received 14 September 2016 (by email)

24 hour average for oil and grease recorded at emission point W3:

04/09/2016 – 10/09/2016: 40.00mg/l

W3: Abbey Beach Outfall

Permitted limit for discharge is no more than 20mg/litre as a daily average from beginning of discharge over a weekly monitoring frequency

The operator has specified that a measurement uncertainty factor of +/- 1.00mg/l should be applied to the reported result.

Part A operator comment: *Re test requested by energy for 06/09, however as per procedure effluent not flowing over weir and not discharging to ABO therefore unable to re sample (confirmed on 13/09 that no resample was taken). While waiting on response around this (energy representative off with illness), environment department worked with labs to determine whether recorded incorrectly, this was confirmed not to be the case. Similarly, environment department looked into potential sources of high levels with recorded, which has been inconclusive.*

The operator subsequently provided a Schedule 5 Part B notification containing the following additional information and representations:

As a result of a spike on one day in one hourly sample and through assessing potential up stream sources, showing no abnormal oil levels, it is inconclusive as to the origin of the elevated levels at the ABO.

As stated in the Part A, as a result of the weir no longer over flowing, it was not possible to continue sampling as per procedure. When the next sample was taken the following day it was apparent the levels had significantly dropped again. All samples are analysed chemically as opposed to the standard “visual” check within permit.

We have discussed the introduction of this new 24 hour average ELV for oil and grease at W3 during other compliance interventions in 2016. NRW's findings are detailed in

NRW_CAR0031159.

After applying the appropriate measurement uncertainty factor, this exceedance remains non-compliant with the permit limit and Condition 3.1.2. **One CCS Category 3 score** has been recorded in response to this non-compliance.

No consolidation of scores for exceedances at W3 during Quarter 3 (July – September) 2016 has been necessary.

Coke Ovens

UR/16/63: Schedule 1 Part A received 5 August 2016 (by email)

Monthly mean (average) Door Leakage Control Factor (DLCF) and Top Leakage Control Factor (TLCF) recorded at emission point A54:

July 2016: 86.19% (Doors)

July 2016: 92.82% (Tops)

A54: Morfa Coke Oven Batteries

Permitted limit for DLCF is at least 90% of coke oven doors with no leaks as a monthly mean (BAT-AEPL percentage of visible emissions is <10%)

Permitted limit for TLCF is at least 99% of coke oven tops with no leaks as a monthly mean (BAT-AEPL percentage of visible emissions is <1%)

The current DLCF and TLCF method employed by Tata and agreed with NRW is a simple binary assessment i.e. leak/no leak which does not involve grading individual emissions. The scope for error is therefore minimised and it is not necessary for the operator to specify monitoring uncertainty when reporting these parameters.

Part A operator comment: *This is a new limit and this has been discussed at length with the NRW. Significant project work has been completed and planned ahead in order to comply with this limit and a plan will be submitted to the NRW in due course.*

NRW has not received any Schedule 5 Part B information from the operator for these exceedances. We have however discussed the introduction of the new DLCF and TLCF limits at A54 during other compliance interventions in 2016. NRW's findings are detailed in **CAR 6103** and **CAR_NRW0025273**.

The exceedances for DLCF and TLCF recorded at A54 during July 2016 are non-compliant with the permit limits and Condition 3.1.2. The operator has submitted a compliance plan to NRW outlining how it will improve operations and infrastructure at Morfa Coke Ovens and bring emissions back into compliance with the permit. NRW has accepted this compliance plan and we have therefore **suspended two CCS Category 3 scores** recorded in response to this non-compliance. This approach and timescales for compliance are discussed later in this report.

We have assessed and consolidated all notified exceedances of these ELVs at A54 during Quarter 3 (July – September) 2016 under two suspended CCS3 scores for S5N/16/63 confirmed above, in line with Annex 3 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). The notifications for A54 which have been consolidated are listed below:

UR/16/82 received on 06/10/16

Fuel storage

S5N/16/72: Schedule 5 Part A received 22 August 2016 (by email).

Pipeline leak near Phoenix Wharf Tank Farm resulting in release of heavy fuel oil to ground

Start time: on or before 17/08/2016

End time: on or before 19/08/2016

No emission limit values (ELVs) apply to emissions/releases from the Phoenix Wharf Tank Farm or its fuel pipeline

Part A operator comment: *It was noted that the levels of HFO stored within the Phoenix Wharf facility had dropped more than expected and a potential leak suspected. An investigation was begun and there was no leaks evident in the tank farm itself and the pipeline route was checked. A leak was then discovered in an area not occupied and with restricted access. The pipeline was*

isolated and the leak plugged. The clean-up process has now begun and the root cause of the failure to be investigated. No oil has been found in the docks or storm water systems and is thought to be contained near the source. The dock area will be regularly checked for any potential oil.

This notification is the subject of an ongoing investigation by NRW. Our preliminary findings have been recorded in **CAR_NRW0026798**. Our final assessment will be recorded in a separate CAR form.

Compliance plans

The operator has voluntarily submitted the following compliance plans to NRW in relation to breaches of the permitted ELVs at the BOS Plant and Coke Ovens:

- BOS Plant FEP recovery plan – submitted 01/08/2016
- Coke Oven Doors plan – submitted 01/08/2016
- Coke Oven Tops plan – submitted 01/08/2016

The submitted BOS Plant FEP recovery plan outlines the steps Tata will take to achieve compliance with the relevant ELVs (particulates) at emission points A10, A14 and A16.

The submitted Coke Ovens Doors plan outlines the steps Tata will take to achieve compliance with the relevant ELV (DLCF) at emission point A54.

The submitted Coke Ovens Tops plan outlines the steps Tata will take to achieve compliance with the relevant ELV (TLCF) at emission point A54.

NRW is able to suspend CCS scores for ELV breaches associated with the above emission points for a maximum of **6 months** while an operator is working towards compliance (see Principle 5 and Annex 4 of our Compliance Classification Scheme [CCS] (version 3, 26 March 2013). Where a non-compliance is so complex that it requires longer than six months to rectify then we shall recommence active scoring after six months so as to reflect our ongoing effort at the site. If compliance cannot be achieved within 6 months, then all suspended scores will be unsuspended and will count toward the operator's compliance rating.

We have decided to **suspend** compliance scores for ELV breaches during Quarter 3 2016 at emission point **A54 (DLCF and TLCF)**. The compliance situation for Coke Ovens doors and tops will be reviewed at the end of February 2017.

NRW cannot suspend scores for ELV breaches during Quarter 3 2016 at emission points A10, A14 and A16 because the operator's submitted compliance plan only extends to 26 August 2016. Breaches at these emission points during Quarter 3 have therefore been scored and consolidated accordingly.

Summary and actions required

Our assessment of notifications received during Quarter 1 2016 has concluded **five CCS Category 3 breaches** of the operator's permit conditions have occurred in response to exceedances of permitted emission limit values (ELVs).

A **Warning** has been issued to the operator in response to the five CCS3 breaches identified in this CAR form.

Following submission of compliance plans to NRW on 01/08/16, we have decided to **suspend** two CCS Category 3 compliance scores for ELV breaches during Quarter 3 2016 at emission point

A54 (DLCF and TLCF). The compliance situation for Coke Ovens Doors and Tops will be reviewed at the end of February 2017.

It is recognised that the impact of the EC Industrial Emissions Directive (IED) and the introduction of new BAT-AELs for Sinter plant and BOS plant point source emissions has led to increased breaches of daily mean ELVs for particulates. The IED introduces a stricter environmental compliance regime for Tata Steel's operations at Port Talbot and reflects a wider effort to improve the environmental performance of industry across Europe. NRW has a duty to enforce these new emission limits in Wales but we remain committed to working with Tata Steel to improve the environmental performance of Port Talbot steelworks.

Weekly notifications have been agreed with Tata Steel for any exceedances of the ELVs at A1, A10, A14 and A16 (particulates daily mean). Monthly notifications have been agreed for any exceedances at W1 (suspended solids weekly average).

Further information will be cascaded to Tata Steel during 2017 as NRW develops its position on suspended solids discharges into the sea.

The notified release of heavy fuel oil to ground near the Phoenix Wharf Tank Farm is the subject of an ongoing investigation by NRW. Our findings will be confirmed in a separate CAR form.

[ENDS]

EPR Compliance Assessment Report

**Report ID:
CAR_NRW0027093**

This form will report compliance with your permit as determined by an NRW officer

Site	Port Talbot Steel Works EPR/BL7108IM	Permit Ref	BL7108IM
Operator/Permit holder	Tata Steel UK Limited	Date	30/09/2016

Section 3 – Enforcement Response

You must take immediate action to rectify any non-compliance and prevent repetition. Non-compliance with your permit conditions constitutes an offence and can result in criminal prosecutions and/or suspension or revocation of a permit. Please read the detailed assessment in Section 2 and the steps you need to take in Section 4 below.

In respect of the above non-compliance you have been issued with a warning. At present we do not intend to take further enforcement action. This does not preclude us from taking additional enforcement action if further relevant information comes to light or offences continue.

Section 4 – Action(s)

This section summarises the actions identified during the assessment along with the timescales for when they will need to be completed.

Criteria Ref.	CCS Category	Action required/advised	Due Date
See Section 1 above			
E1	C3	Compliance plan submitted: score suspended. IGNORE ACTION DATE - not applicable	23/02/2017
E1	C3	Compliance Plan submitted: score suspended. IGNORE ACTION DATE - not applicable.	23/02/2017
E1	C3	Bring permitted operations back into compliance with ELV. IGNORE ACTION DATE - not applicable	23/02/2017
E1	C3	Bring permitted operations back into compliance with ELV. IGNORE ACTION DATE - not applicable	23/02/2017
E1	C3	Bring permitted operations back into compliance with ELV. IGNORE ACTION DATE - not applicable	23/02/2017
E1	C3	Bring permitted operations back into compliance with ELV. IGNORE ACTION DATE - not applicable	23/02/2017
E3	C3	Bring permitted operations back into compliance with ELV. IGNORE ACTION DATE - not applicable	23/02/2017

Section 5 – Compliance notes for the Operator

To ensure you correct actual or potential non-compliance we may

- Advise on corrective actions verbally or in writing
- Require you to take specific actions verbally or in writing
- Issue a notice
- Require you to review your procedures or management system
- Change some of the conditions of your permit
- Decide to undertake a full review of your permit

Any breach of a permit condition is an offence and we may take legal action against you

- We will normally provide advice and guidance to assist you to come back into compliance either after an offence is committed or where we consider that an offence is likely to be committed. This is without prejudice to any other enforcement response that we consider may be required.
- Enforcement action can include the issue of a formal caution, prosecution, the service of a notice and/or suspension or revocation of the permit.

See our Enforcement and Civil Sanctions guidance for further information

This report does not relieve the site operator of the responsibility to

- Ensure you comply with the conditions of the permit at all times and prevent pollution of the environment
- Ensure you comply with other legislative provisions which may apply

Non-compliance scores and categories

CCS category	Description	Score
C1	A non-compliance that could have a major environmental effect	60
C2	A non-compliance which could have a significant environmental effect	31
C3	A non-compliance which could have a minor environmental effect	4
C4	A non-compliance which has no potential environmental effect	0.1

Operational Risk Appraisal (Opra) - Compliance assessment findings may affect your Opra score and/or your charges. This score influences the resource we use to assess permit compliance.

Section 6 – General information

Data protection notice

The information on this form will be processed by the Natural Resources Wales (NRW) to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s). The NRW may also use and/or disclose it in connection with:

- Offering/providing you with its literature/services relating to environmental matters
- Consulting with the public, public bodies and other organisations (eg. Health and Safety Executive, local authorities) on environmental issues
- Carrying out statistical analysis, research and development on environmental issues
- Providing public register information to enquirers
- Investigating possible breaches of environmental law
- Assessing customer service satisfaction and improving its service
- Freedom of Information Act/Environmental Regulations request

The NRW may pass it on to its agents/representatives to do these things on its behalf. You should ensure that any persons named on this form are informed of the contents of this data protection notice.

Disclosure of information

The NRW will provide a copy of this report to the public register(s). However, if you consider that any information contained in this report should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within fifteen working days of receipt of this form indicating which information it concerns and why it should not be released, giving your reasons in full.

Customer charter

What can I do if I disagree with this compliance assessment report?

If you are unable to resolve the issue with your site officer, you should firstly discuss the matter with officer's line managers using the informal appeals procedure. If you wish to raise your dispute further through our official Complaints and Commendations procedure, phone our general enquiry number 0300 065 3000 (Mon to Fri 08.00 – 18.00) and ask for the Customer Contact team or send an email to enquiries@naturalresourceswales.gov.uk. If you are still dissatisfied you can make a complaint to the Public Services Ombudsman for Wales. For advice on how to complain to the Ombudsman phone their helpline on 0845 607 0987.

Welsh Language

If you would like this form in Welsh please contact your Regulatory Officer.