

## Reporting of Emissions to Water for the period from .....

01 / 07 / 2021

..... to ... 31 / 07 / 2021 .....

| Emission Point | Substance / Parameter  | Emission Limit Value                          | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>                                          | Sample Date and Times <sup>[3]</sup> | Accreditation/ Certification <sup>[4]</sup> | Uncertainty <sup>[5]</sup> |
|----------------|------------------------|-----------------------------------------------|-----------------------|---------------------------------------------------------------------|--------------------------------------|---------------------------------------------|----------------------------|
| W1             | Flow                   | 190 litres/second, expressed as daily average | 81.0 ltrs / sec       | To commence on completion of IC11, ( See permit )                   | 12/07 / 21                           |                                             |                            |
|                | Temperature            | 35°C                                          | 34.6 °C               | ( See permit )                                                      | 22 / 07 / 21                         |                                             |                            |
|                | pH                     | 5.0 - 10.0                                    | 6.6<br>8.8            | BS6068-2.50:1995,ISO 10523:1984 <sup>[1]</sup>                      | 03 / 07 / 21<br>17 / 07 / 21         |                                             |                            |
|                | Suspended Solids       | 60 mg/l                                       | 40.0 mg/l             | BS EN 872:1996 BS 6068-2.54:1996 <sup>[1]</sup>                     | 08 / 07 / 21                         |                                             |                            |
|                | Oil and Grease         | 12 mg/l                                       | 7.1 mg/l              | SCA Blue Book 77 ISBN 0117517283 <sup>[1]</sup>                     | 20 / 07 / 21                         |                                             |                            |
|                | Phenolsulphonic Acid   |                                               | n/a                   | SCA Blue Book 50 ISBN 0117516171 <sup>[1]</sup>                     | n/a                                  |                                             |                            |
|                | Total Phenols, mg/l    |                                               | n/a                   | SCA Blue Book 50 ISBN 0117516171                                    | n/a                                  |                                             |                            |
|                | Dissolved Iron         | 40 mg/l                                       | 9.7 mg/l              | BS ISO 17294-2:2003 BS6068-2.89:2003 <sup>[1]</sup>                 | 02 / 07 / 21                         |                                             |                            |
|                | Total Chromium         | 0.4 mg/l                                      | 0.10 mg/l             | BS ISO 17294-2:2003 BS6068-2.89:2003 <sup>[1]</sup>                 | 05 / 07 / 21                         |                                             |                            |
|                | Mercury                | 0.005 mg/l                                    | n/a                   | Compliance based on mass balance calculation ( see condition 6.11 ) | Annual Requirement                   |                                             |                            |
|                | Cadmium                | 0.01 mg/l                                     | n/a                   | Compliance based on mass balance calculation ( see condition 6.11 ) | Annual Requirement                   |                                             |                            |
|                | Chemical Oxygen Demand | 300 mg/l                                      | 195 mg/l              | SCA Blue Book 97 ISBN 0117519154                                    | 31 / 07 / 21                         |                                             |                            |
|                | W2 pH                  | 5.0 – 10.0                                    | 6.4<br>7.7            | (See permit -- SCADA probe continuous monitoring)                   | 13/07 / 21<br>02 / 07 / 21           |                                             |                            |

Note 1: The stated methods will applied from 01/01/06. Prior to this time, existing methods (as previously used to monitor these parameters under Authorisation Ref: AF7789/BQ3380) will be used.

Other EN, ISO, BS or SCA Blue Book methods may be used as agreed in writing with the Agency.

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated)

Signed :  (authorised to sign as representative of the Operator)

Date : 21/10/21

**Reporting of Emissions to Water for the period from ..... 01 / 08 / 2021 ..... to ... 31 / 08 / 2021 .....**

| Emission Point | Substance / Parameter  | Emission Limit Value                          | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>                                          | Sample Date and Times <sup>[3]</sup> | Accreditation/ Certification <sup>[4]</sup> | Uncertainty <sup>[5]</sup> |
|----------------|------------------------|-----------------------------------------------|-----------------------|---------------------------------------------------------------------|--------------------------------------|---------------------------------------------|----------------------------|
| W1             | Flow                   | 190 litres/second, expressed as daily average | 64.8 ltrs / sec       | To commence on completion of IC11.<br>( See permit )                | 21 / 08 / 21                         |                                             |                            |
|                | Temperature            | 35°C                                          | 32.8 °C               | ( See permit )                                                      | 06 / 08/ 21                          |                                             |                            |
|                | pH                     | 5.0 - 10.0                                    | 6.8<br>8.7            | BS6068-2.50:1995, ISO 10523:1984 <sup>[1]</sup>                     | 24 / 08 / 21<br>30 / 08 / 21         |                                             |                            |
|                | Suspended Solids       | 60 mg/l                                       | 32.0 mg/l             | BS EN 872:1996 BS 6068-2.54:1996 <sup>[1]</sup>                     | 23/08 / 21                           |                                             |                            |
|                | Oil and Grease         | 12 mg/l                                       | 3.4 mg/l              | SCA Blue Book 77 ISBN 0117517283 <sup>[1]</sup>                     | 01/08 / 21                           |                                             |                            |
|                | Phenolsulphonic Acid   |                                               | n/a                   | SCA Blue Book 50 ISBN 0117516171 <sup>[1]</sup>                     | n/a                                  |                                             |                            |
|                | Total Phenols, mg/l    |                                               | n/a                   | SCA Blue Book 50 ISBN 0117516171                                    | n/a                                  |                                             |                            |
|                | Dissolved Iron         | 40 mg/l                                       | 2.9 mg/l              | BS ISO 17294-2:2003 BS6068-2.89:2003 <sup>[1]</sup>                 | 25 / 08 / 21                         |                                             |                            |
|                | Total Chromium         | 0.4 mg/l                                      | 0.09 mg/l             | BS ISO 17294-2:2003 BS6068-2.89:2003 <sup>[1]</sup>                 | 02 / 08 / 21                         |                                             |                            |
|                | Mercury                | 0.005 mg/l                                    | n/a                   | Compliance based on mass balance calculation ( see condition 6.11 ) | Annual Requirement                   |                                             |                            |
|                | Cadmium                | 0.01 mg/l                                     | n/a                   | Compliance based on mass balance calculation ( see condition 6.11 ) | Annual Requirement                   |                                             |                            |
|                | Chemical Oxygen Demand | 300 mg/l                                      | 145 mg/l              | SCA Blue Book 97 ISBN 0117519154                                    | 17 / 08 / 21                         |                                             |                            |
|                | W2 pH                  | 5.0 – 10.0                                    | 6.4<br>7.6            | (See permit – SCADA probe continuous monitoring)                    | 28 / 08 / 21<br>20 / 08 / 21         |                                             |                            |

Note 1: The stated methods will applied from 01/01/06. Prior to this time, existing methods [as previously used to monitor these parameters under Authorisation Ref: AF7789/BQ3380] will be used.  
Other EN, ISO, BS or SCA Blue Book methods may be used as agreed in writing with the Agency.

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.

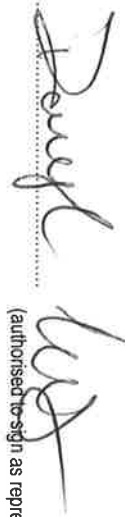
[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated)

Signed -

  
(authorised to sign as representative of the Operator)

Date :

21/10/21

**Reporting of Emissions to Water for the period from ..... 01 / 09 / 2021 ..... to ... 30 / 09 / 2021 .....**

| Emission Point | Substance / Parameter  | Emission Limit Value                          | Result <sup>(1)</sup> | Test Method <sup>(2)</sup>                                          | Sample Date and Times <sup>(3)</sup> | Accreditation/ Certification <sup>(4)</sup> | Uncertainty <sup>(5)</sup> |
|----------------|------------------------|-----------------------------------------------|-----------------------|---------------------------------------------------------------------|--------------------------------------|---------------------------------------------|----------------------------|
| W1             | Flow                   | 190 litres/second, expressed as daily average | 74.1 ltrs / sec       | To commence on completion of IC11.<br>( See permit )                | 28 / 09 / 21                         |                                             |                            |
|                | Temperature            | 35°C                                          | 34.2 °C               | ( See permit )                                                      | 05 / 09 21                           |                                             |                            |
|                | pH                     | 5.0 - 10.0                                    | 6.0<br>8.9            | BS6068-2:50:1995,ISO 10523:1984 <sup>(1)</sup>                      | 29 / 09 / 21<br>27 / 09 / 21         |                                             |                            |
|                | Suspended Solids       | 60 mg/l                                       | 40.0 mg/l             | BS EN 872:1996 BS 6068-2:54:1996 <sup>(1)</sup>                     | 03 / 09 / 21                         |                                             |                            |
|                | Oil and Grease         | 12 mg/l                                       | 6.7 mg/l              | SCA Blue Book 77 ISBN 0117517283 <sup>(1)</sup>                     | 26 / 09 / 21                         |                                             |                            |
|                | Phenolsulphonic Acid   |                                               | n/a                   | SCA Blue Book 50 ISBN 0117516171 <sup>(1)</sup>                     | n/a                                  |                                             |                            |
|                | Total Phenols, mg/l    |                                               | n/a                   | SCA Blue Book 50 ISBN 0117516171                                    | n/a                                  |                                             |                            |
|                | Dissolved Iron         | 40 mg/l                                       | 29.3 mg/l             | BS ISO 17294-2:2003 BS6068-2:89:2003 <sup>(1)</sup>                 | 29 / 09 / 21                         |                                             |                            |
|                | Total Chromium         | 0.4 mg/l                                      | 0.013 mg/l            | BS ISO 17294-2:2003 BS6068-2:89:2003 <sup>(1)</sup>                 | 25 / 09 / 21                         |                                             |                            |
|                | Mercury                | 0.005 mg/l                                    | n/a                   | Compliance based on mass balance calculation ( see condition 6.11 ) | Annual Requirement                   |                                             |                            |
|                | Cadmium                | 0.01 mg/l                                     | n/a                   | Compliance based on mass balance calculation ( see condition 6.11 ) | Annual Requirement                   |                                             |                            |
|                | Chemical Oxygen Demand | 300 mg/l                                      | 111 mg/l              | SCA Blue Book 97 ISBN 0117519154                                    | 01 / 09 / 21                         |                                             |                            |
|                | W2 pH                  | 5.0 – 10.0                                    | 6.2<br>7.7            | (See permit – SCADA probe continuous monitoring)                    | 13 / 09 / 21<br>02 / 09 / 21         |                                             |                            |

Note 1: The stated methods will applied from 01/01/06. Prior to this time, existing methods [as previously used to monitor these parameters under Authorisation Ref: AF7789/BQ3380] will be used.  
Other EN, ISO, BS or SCA Blue Book methods may be used as agreed in writing with the Agency.

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated)

Signed



(authorised to sign as representative of the Operator)

Date

21/10/21

Permit Reference Number : BX9471IU

Operator : Tata Steel UK Ltd

Installation : Tata Steel Packaging, Trostre Works, Llanelli

Form Number : A1

Reporting of Emissions to Air for Quarter 3 (Jul - Sep) 2021

| Emission Point | Substance / Parameter  | Emission Limit Value  | Result <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Accreditation/Certification <sup>[4]</sup> | Uncertainty <sup>[5]</sup> |
|----------------|------------------------|-----------------------|-----------------------|----------------------------|--------------------------------------|--------------------------------------------|----------------------------|
| A6             | NOx as NO <sub>2</sub> | 350 mg/m <sup>3</sup> | 292                   | ISO 10849                  | 23 / 09 / 21                         |                                            | 95                         |

[1] The result given is the value obtained during the reporting period, expressed in the same terms as the emission limit value, corrected to reference conditions. Where the emission limit value is expressed as a time weighted value, the result is given as the time weighted average value over the corresponding reporting period.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

[a] Refers to limits for firing on heavy fuel oil only

[b] Refers to limits for firing on natural gas only

Signed .....  .....  .....  
(authorised to sign as representative of the Operator)

Date.....21/10/21

Comments:

