

Permit Number: EPR/TP3639BH  
 Facility: Tremorfa Melt Shop


Operator: Celsa Manufacturing (UK) Limited  
 Form Number: Sewer1 / 02/05/2024

**Reporting of emissions to sewer for the period from 01/01/2024 to 31/12/2024**

| Emission Point | Substance / Parameter | Emission Limit Value | Reference Period | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>                                                                                            | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|-----------------------|----------------------|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|
| S1             | Total hydrocarbons    | 5 mg/l               | Spot sample      | 17.1 mg/l             | SCA blue book 77 ISBN 0117517283 2002 or other ISO, BS or SCA blue book method as approved by Natural Resources Wales | 02/09/2024                           |                            |
|                | Suspended solids      | 20 mg/l              |                  | 244 mg/l              | BS EN 872 or other method approved by NRW                                                                             | 10/06/2024                           |                            |
|                | pH                    | 6-10                 |                  | 8.7                   | BS ISO 10523                                                                                                          | 05/08/2024                           |                            |
|                | Nickel                | 0.5 mg/l             |                  | 0.026 mg/l            | BS EN ISO 11885                                                                                                       | 10/06/2024                           |                            |
|                | Arsenic               | 0.01 mg/l            |                  | 0.0118 mg/l           | BS ISO 17378                                                                                                          | 02/09/2024                           |                            |
|                | Cadmium               | 0.05 mg/l            |                  | 0.00103 mg/l          | BS EN ISO 5961                                                                                                        | 04/11/2024                           |                            |
|                | Total Chromium        | 0.5 mg/l             |                  | 0.00999 mg/l          | BS EN 1233                                                                                                            | 10/06/2024                           |                            |
|                | Zinc                  | 2 mg/l               |                  | 0.524 mg/l            | BS EN ISO 11885                                                                                                       | 10/06/2024                           |                            |
|                | Mercury               | 0.02 mg/l            |                  | 0.0001 mg/l           | BS EN 12846                                                                                                           | 01/07/2024                           |                            |
|                | Iron                  | 5 mg/l               |                  | 7.01 mg/l             | BS EN ISO 11885                                                                                                       | 02/12/2024                           |                            |
|                | Flow                  | No Limit Set         |                  | 50.56 m3/day          | Flow meter                                                                                                            | 01/01/2024 to 31/12/2024             |                            |
| S2             | Total hydrocarbons    | 5 mg/l               |                  | 4.38 mg/l             | SCA blue book 77 ISBN 0117517283 2002 or other ISO, BS or SCA blue book method as approved by Natural Resources Wales | 01/07/2024                           |                            |
|                | Suspended solids      | 20 mg/l              |                  | 150 mg/l              | BS EN 872 or other method approved by NRW                                                                             | 01/07/2024                           |                            |
|                | pH                    | 6-10                 |                  | 7.6                   | BS ISO 10523                                                                                                          | 01/07/2024                           |                            |

| Emission Point | Substance / Parameter       | Emission Limit Value | Reference Period | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>                                                       | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|-----------------------------|----------------------|------------------|-----------------------|----------------------------------------------------------------------------------|--------------------------------------|----------------------------|
|                | Nickel                      | 0.5 mg/l             |                  | 0.038 mg/l            | BS EN ISO 11885                                                                  | 01/07/2024                           |                            |
|                | Arsenic                     | 0.01 mg/l            |                  | 0.00911 mg/l          | BS ISO 17378                                                                     | 01/07/2024                           |                            |
|                | Cadmium                     | 0.05 mg/l            |                  | 0.0083 mg/l           | BS EN ISO 5961                                                                   | 01/07/2024                           |                            |
|                | Total Chromium              | 0.5 mg/l             |                  | 0.0192 mg/l           | BS EN 1233                                                                       | 01/07/2024                           |                            |
|                | Zinc                        | 2 mg/l               |                  | 1.76 mg/l             | BS EN ISO 11885                                                                  | 01/07/2024                           |                            |
|                | Mercury                     | 0.02 mg/l            |                  | 0.0002 mg/l           | BS EN 12846                                                                      | 01/07/2024                           |                            |
|                | Iron                        | 5 mg/l               |                  | 13.3 mg/l             | BS EN ISO 11885                                                                  | 01/07/2024                           |                            |
| S5             | Hydrocarbon oil index (HOI) | 0.5 – 10 mg/l        |                  | 0.1 mg/l              | EN ISO 9377-2                                                                    | 02/12/2024                           |                            |
|                | Arsenic                     | 0.05 mg/l            |                  | 0.00057 mg/l          | Various EN standards available (e.g. EN ISO 11885, EN ISO 17294-2, EN ISO 15586) | 04/11/2024                           |                            |

- [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 Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example 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 uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....  .....

(Authorised to sign as representative of Operator)

Date...31/01/2025.....