Monday 13th January 2025

Permitting Service,
Natural Resources Wales,
Cambria House,
29 Newport Road,
Cardiff
CF24 0TP

Ref: Operator's Report on NRW Permit No.EPR/BB3097ZS for 2024

Dear Sir/Madam,
Please find below our report on the performance of the activities over the previous year.

1) Emissions monitoring was undertaken on 10th October 2024 by Element Materials Technology Environmental UK Limited in accordance with the requirements of the Permit. The reports for the individual combustion plant can be found at Appendices 1, 2, & 3 to this report. All readings were well within the emissions limits

2) The individual boiler steam meters on site give an unreliable measurement of the site steam usage so we have switched to a newly installed totalised steam meter for the site from 29th January 2024. Annual steam generation as recorded by the site totaliser meter for the period 29/01/2024 - 31/12/2024 was 74,142.94 tonnes. In order to provide a total steam usage figure for the site we have used the individual boiler meters to calculate the steam usage for the period 01/01/2024 - 28/01/2024 and this gives a figure of 5380.05 tonnes. Our total steam usage for 2024 is therefore 79,522.99 tonnes but with diminished certainty for the month of January due to the aforementioned issues.

   Veolia would like to reiterate the fact that the site steam meters are the responsibility of our client and are outside the boundary of our Permitted operation.

3) During Q1 of 2024 there was planned maintenance undertaken to all site boilers. This planned work necessitated the trailer boiler installed during January 2024 remain on site until completion of all works in March 2024.

4) The performance parameters as set out in Schedule 4, Table 4.3 of the Permit are discussed below;

   **Water Usage** - The figure for the exact 'raw' water usage of the boiler plant must be calculated (as opposed to measured) due to the mechanism by which our client supplies the boilerhouse; i.e., that our client supplies us with softened water which is mixed with condensate and returned via the condensate return vessel. This supply to the boilerhouse is metered by the client.
   This meter has recorded 87,519m3 in 2024.
   We also utilise two supplies in addition to the above, for emergency filling of the hotwell when our client is unable to supply us with sufficient water through the usual process. These are described as "Grade 1" and "Grade 3" and the meters report volumes of 92m3 and 1148m3 respectively for 2024.

If we strip these volumes out from the recorded total volume for the site boiler feedwater meters (81,220m3), we get a calculated figure of 79,980m3 that was supplied to us (through the condensate return vessel) by the client in 2024, which is 91% of the figure reported by the client's own meter referenced in the paragraph above. This is in line with expectations from prior years and the discrepancy can be accounted for by draining and refilling of the hotwell during maintenance periods.

Since 2023 our resource use on site has reduced primarily due to the site's decreased steam demand in 2024. Natural gas usage has reduced by 7.82% in 2024 and water usage has reduced by 1.77%

**Energy Usage** - In 2024 we consumed 69,470 MWh of Natural Gas. We also consumed 165 MWh of gasoil in 2024, this was due to the gasoil facilities being end of life so we decided to decommission that system. As a result our thermal efficiency for the plant was 88.32%

[redacted]
**Contracts Manager**