



Thursday 14th January 2021

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

Ref: **Operator's Report on NRW Permit No.EPR/BB3097ZS for 2020**

Dear Sir/Madam,

Please find below our report on the performance of the activities over the previous year.

- 1) The results of the monitoring and assessment, carried out in accordance with the permit, indicate emissions values in line with our expectations for this facility, and in line with what we have witnessed in previous years, with emissions values well within the advised scope of the MCPD. There is no worsening of the performance over previous years and we do not anticipate any decline in this performance in the future, due to our structured planned maintenance system and a stable operating condition.
- 2) The results of the annual production for the site (92,342,481kg of steam) were not in line with expectations and represent a 9% increase over 2019's production. Our client advised in 2019 that they did not expect an increase in their throughput for 2020, however, overall performance of the plant has remained consistent with an overall gross efficiency achieved of more than 93%.
- 3) The performance parameters as set out in Schedule 4, Table 4.3 are discussed below. The report as per Schedule 4 Table 4.4 is attached as a separate document;

Water Usage - It is not possible to determine the exact raw water usage of the boiler plant due to the mechanism by which our client supplies the boilerhouse; i.e., that our client supplies us with softened water via a condensate return vessel, the make up of which we have no control over. We 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 so the quantities of 59m³ and 1351m³ respectively do not represent the actual raw water usage in the production of steam.

Energy Usage - In 2020 we used 76,618MWh of Natural Gas which gave us an overall *boilerhouse* efficiency for the year of 81.85%, in line with our expectations for the type and condition of installed plant.



Jonathan Barwick
Contracts Manager

Veolia ES (UK) Limited

Nantgarw, Unit 1, Heol Crochendy Parc,
Nantgarw, Cardiff, CF15 7QT
Tel: +44 (0)845 60 60 460

www.veolia.co.uk

Registered Office:

210 Pentonville Road, London N1 9JY
Registered in England & Wales: 02481991

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