

My Reference: 2023/RH/Heartsease/001  
Your Reference: PAN-023318 (EPR/AB3697CN/V003)  
Environmental Permit Reference: EPR/AB3697CN

Mr Dan Sandrof  
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Mr William Wallace  
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Permitting Service,  
Natural Resources Wales,  
Cambria House,  
29 Newport Road,  
Cardiff  
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Sent by email

29<sup>th</sup> February 2024

**Further information about the application**

Dear William,

Further to the application received by Natural Resources Wales (NRW) on 20<sup>th</sup> September 2023, and your written request for additional information dated 21<sup>st</sup> February 2024 (as set out in italic text below), it is my pleasure to provide further information accordingly.

- I. *Confirm if the boilers have always run on liquefied petroleum gas (LPG) (since their conversion from diesel) or if the boiler had changed from natural gas to LPG. If there had been a change from natural gas to LPG, state the date that the boilers changed fuel.*

**Response:** We confirm that with the exception of one boiler, which at the time of the original environmental permit application (ref. EPR/AB3697CN issued on 22/12/17) was oil-fired, all of the other boilers have always run of liquefied petroleum gas (LPG). The oil-fired boiler was subsequently replaced with an LPG boiler, which was commissioned on 4<sup>th</sup> September 2017. This took place during the time that the permit application and it being granted.

- II. *Confirm what fuel was used when the emissions data (presented and used for the modelling) was taken. This is due to the air quality assessment stating that the emissions from boilers A2-A4 based on emission monitoring in 2017.*

**Response:** The emissions data used in the Air Quality Assessment (AQA) were taken from boilers running on LPG, as specified in Tables 3.4 & 3.5 of the AQA.

- III. *If the boilers had been converted since the emission data was taken, please resubmit the air quality modelling at the appropriate emission levels or confirm, with evidence, that the boilers can still achieve the emissions levels in the air quality modelling.*

**Response:** There have been no changes to the fuel type used by the boilers since the emissions data were taken.

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IV. *If the boilers had run on LPG when emission data was taken confirm, with evidence, that the boilers can still achieve the emissions levels used for the air quality modelling.*

**Response:** The boilers were run on LPG when the 2017 emissions data was obtained, except for the oil-fired boiler, which as explained above, was replaced to run on LPG in September 2017. Since then, annual emissions monitoring has been conducted on each of the existing five boilers, in accordance with Schedule 3a of the Environmental Permit in accordance and as per written agreement with NRW (CAR\_CAR\_NRW0034527). Monitoring for NO<sub>x</sub> has been provided by Lindon Heating and Cooling and their data from the last three monitoring exercises have been converted to mg/m<sup>3</sup>, which finds that the NO<sub>x</sub> results obtained are below the concentrations modelled in the AQA (as shown in the attached calculation table). The boilers are not required to be monitored for SO<sub>2</sub>, therefore the AQA used a concentration of 35 mg/Nm<sup>3</sup> for 'gaseous fuels other than natural gas' under the Medium Combustion Plant Directive (MCPD) for the purposes of modelling.

I trust the information provided above is sufficient, but should you wish to discuss the matter further or have any further information requirements, please don't hesitate to contact me at your convenience on 07738 056451 or at [d.sandrof@btinternet.com](mailto:d.sandrof@btinternet.com).

Regards,



Dan Sandrof