



Ref: 6581/00/CF

FAO: **Adrie Rensen**
Edwards Rensen Architects

19/11/2021
Issued via email

Dear Adrie,

RE: Emissions Calculations for Flat 1, Haverstock Hill, London.

We have completed two emissions calculations for the proposed development at Flat 1, Haverstock Hill.

Based upon our recent correspondence we have calculated the total annual NOx emissions and particulate matter emissions in relation to the Camden Local Plan Policy CC4 Air Quality within the Camden Local Plan 2017.

The results of our calculations are shown in Table 1.0. Since these calculated emission rates are based on a specific heating system that has not yet been specified for this development, we have assumed an **Ideal Vogue Max Combi Boiler 26** in our calculations with a NOx emission rate of Class 6, which has a maximum NOx limit of 56mg/kWh. The results in Table 1.0 have been calculated by using the annual energy use data from the SAP calculation from the proposed main heating requirement and water fuel requirement in conjunction with the boiler NOx emission rate.

Table 1.0: SAP Output	
NOx Total Annual Emissions	Particular Matter (PM) Total Annual Emissions
0.31 Kg/year	0.0002 Kg/year*

* It is generally considered that there is little measurable particulate matter (PM) emission from gas boilers, therefore product data on this output is limited. This figure has been calculated by cross referencing case study data by DEFRA and calculated with the main heating and water fuel requirement.

We trust the above is satisfactory, however should you have any queries relating to this proposal, please do not hesitate to contact us.

Yours sincerely,

For GreenBuild Consult Ltd



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