

LAND AT ABINGDON ROAD, KINGSTON BAGPUIZE
AIR QUALITY TECHNICAL NOTE
MARCH 2019
OUR REF: 22259-04-TN-01

An Air Quality Assessment was undertaken in March 2018 (M-EC report reference 22259/03-18/5869), to examine the impact of development traffic road emissions from the proposed development upon existing sensitive receptors in the area.

The Air Quality Assessment predicted (within Section 5.0) that there will be exceedances of the annual mean objective for NO₂ (40ug/m³) within the Marcham Air Quality Management Area (AQMA), regardless of whether or not the development is in place.

The results indicate that at certain locations within the AQMA, the proposed development is expected to result in impacts ranging between 'negligible' and 'substantial' adverse. The reason for the substantial impact is, although the incremental increase in NO₂ concentrations as a result of the development may be classed as small, existing concentrations in the area are close to or above the objective, regardless of whether or not the development is in place.

Vale of White Horse District Council (VWHDC) has submitted an initial consultation response, specifying a holding objection as development is predicted to increase the quantity of traffic travelling through the Marcham AQMA, and air quality impacts are classed as substantial. This consultation response is an initial response, and is part of the normal Development Management process of determining the planning application.

It is recognised that a suitable mitigation strategy is required to reduce or offset the development impact on air quality. The Air Quality Assessment report has set out a package of best practice measures that will be implemented to reduce potential impacts associated with development traffic. This strategy focusses on the encouragement of uptake of sustainable transport modes.

It is also recognised that further mitigation measures will be required to reduce or offset emissions further, and support the aims of the local Air Quality Action Plan. In addition to the identified mitigation strategy, calculation of the damage costs of the scheme based on the latest IGCB guidance will be undertaken, and used as a basis for defining financial contribution towards air quality mitigation.

A number of mitigation/contribution options are available, and liaison with VWHDC's Environmental Health Department, and Oxfordshire Highways is ongoing, to identify suitable mitigation measures, including future schemes within the area that will reduce traffic impact. Schemes include the future

Frilford Junction study, which is being undertaken with the objective of providing improvements to reduce traffic in the area, including the Marcham AQMA. Discussions with Oxfordshire Highways indicated that the study (which should be undertaken in parallel with air quality studies) could start as early as 2019.

In summary, mitigation measures will be developed to mitigate/offset development emissions, and support actions contained within the local Air Quality Action Plan. The mitigation strategy will be developed in liaison with VWHDC and Oxfordshire Highways, to maximise opportunities to improve air quality in the area.

In summary, it is considered that mitigation options are available to mitigate/offset development impact within the Marcham AQMA, and potentially bring about an improvement in air quality compared to the existing situation.

Report Checked by:



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Rosie James, BSc PIEMA