Ref: bp-ds-002-Lundwood

Date: 10th July 2014

Harron Homes
Colton House,
Temple Point,
Bullerthorpe Lane,
Leeds,
LS15 9JL

FAO Daniel Starkey

Dear Daniel

Littleworth Lane, Lundwood – Air Quality Statement

An assessment of potential air quality impacts that are associated with the construction and operational phases of the proposed residential development at the above site will be undertaken. Consultation with the Environmental Health Officer has been undertaken and it has been agreed that a detailed operational phase air quality assessment is required.

The construction phase assessment will consider the potential effects of dust and particulate emissions from site activities and materials movement based on a qualitative risk assessment method based on the Institute of Air Quality Management's 'Guidance on the Assessment of the Impacts of Construction on Air Quality and the Determination of their Significance' document, published January 2012. Standard mitigation measures will be presented to control emissions during this phase.

The operational assessment will focus on the predicted impact of changes in ambient nitrogen dioxide (NO_2) and particulate matter (PM_{10}) as a result of the development at key local receptor locations. Computer based modelling of the predicted changes of traffic emissions within the study area would be undertaken using an approved atmospheric dispersion modelling package (ADMS Roads). The model would provide predicted annual average concentrations of nitrogen dioxide and PM_{10} at receptors within the study area covering the 'with' and 'without' development scenarios in the earliest likely opening year. Specifically the model would assess air quality within the study area with reference to the UK Air Quality Standards, and would describe the significance of the air quality changes within the development with reference to non statutory guidance issued by EPUK and NPPF.

A baseline air quality dispersion model would be developed for the study area and it would be verified using the most recently available national or local air quality monitoring data, where available. The verification would be undertaken in general accordance with updated guidance in Annex 3 of LAQM Technical Guidance TG(09). The model will take into account emissions within an Air Quality Management Area which is located between Burton Road and Rotherham Road some 700m to the north west of the site.

Should you have any queries please do not hesitate to let me know.

Yours Sincerely,

Beth Pawson
Consultant
For and on behalf of WYG

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