



10 February 2022

Our Ref: R22.11173-11174/1/AP

MW.0115/21

LAND AT WHITE CROSS FARM, WALLINGFORD, OXFORDSHIRE

Extraction and processing of sand and gravel including the construction of new site access roads, landscaping and screening bunds, minerals washing plant and other associated infrastructure with restoration to agriculture and nature conservation areas, using inert fill

REGULATION 25 REQUEST

Noise Impact Assessment Report Ref. R21.11173/2/AP

Air Quality Impact Assessment Report Ref. R21.11174/2/AG

The following query has been received in relation to the above noise and air quality assessment reports which accompanied the application:

Air Quality and Noise Assessments – Clarification regarding the assessment of Elizabeth House, which appears to have been assessed as a residential property, but is a day nursery.

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REGULATION 25 RESPONSE

Air Quality

The Institute of Air Quality Management (IAQM) 'Guidance on the Assessment of Mineral Dust Impacts for Planning' (May 2016) recommends that, in relation to the health effects of PM₁₀, air quality practitioners should categorise receptors into three sensitivities (low, medium and high).

The following guidance is provided in relation to high sensitivity receptors:

"High sensitivity receptor:

- locations where members of the public are exposed over a time period relevant to the air quality objective for PM₁₀ (in the case of the 24-hour objectives, a relevant location would be one where individuals may be exposed for eight hours or more in a day)*
- indicative examples include residential properties. Hospitals, schools and residential care homes should also be considered as having equal sensitivity to residential areas for the purposes of this assessment."*

The air quality assessment has categorised Elizabeth House as a 'high' sensitivity receptor. Similarly, the sensitivity of residential receptors has also been categorised as high.

Based on the IAQM guidance it is considered that the sensitivity of a day nursery is similar to that of a school, and therefore both uses should be regarded as having 'high' sensitivity to health effects of PM₁₀.

As a result the outcomes of the air quality assessment remain unchanged.

Noise

The noise assessment has identified Elizabeth House as a 'sensitive receptor' which includes nurseries and residential dwellings along with other uses such as schools, residential care homes and hospitals. As a result the outcomes of the noise assessment remain unchanged.