

From: Neil Kirby <neil.kirby@worcsregservices.gov.uk>
Sent: 14 October 2021 13:17
To: Aldridge, Steven <SAldridge@worcestershire.gov.uk>
Subject: RE: Lea Castle Farm Quarry - Air Quality Query

Hi Steve

Here's my fourpenny worth:

The air quality objectives are set by the Air Quality (England) Regulations 2000 as amended 2002 which sets targets of:

Nitrogen Dioxide: 1 Hour Mean - 200 $\mu\text{g}/\text{m}^3$ Not to be exceeded more than 18 times per year
Annual Mean - 40 $\mu\text{g}/\text{m}^3$

PM₁₀: 24 Hour Mean - 50 $\mu\text{g}/\text{m}^3$ Not to be exceeded more than 35 times per year
Annual Mean - 40 $\mu\text{g}/\text{m}^3$

PM_{2.5}: Annual Mean - 25 $\mu\text{g}/\text{m}^3$

Until the new WHO guidelines are incorporated into UK law these are the objectives that air quality is compared to. Whether the proposal would comply with the new WHO Guidelines is immaterial when reviewing an Air Quality Assessment as far as I'm concerned.

You are correct in assuming that the Dust Assessment is assessing the impact of dust from the mineral extraction and vehicle movements on site and the Air Quality Assessment is modelling just off site vehicle emissions.

Regards

Neil

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