

From: [EHealth Consultation](#)
To: [Johnston, Christopher](#)
Cc: [Colgan, Denis](#); [Planning \(SMDC\)](#)
Subject: RE: Mill House, Cheadle. Conditions
Date: 20 December 2021 14:26:42

Hi Chris,

RE: condition 11

Discharge not recommended – the report is not consider robust enough to be confident with any certainty that AQ limits will not be exceeded at the possible openings at the front of the buildings:

Brief Comments

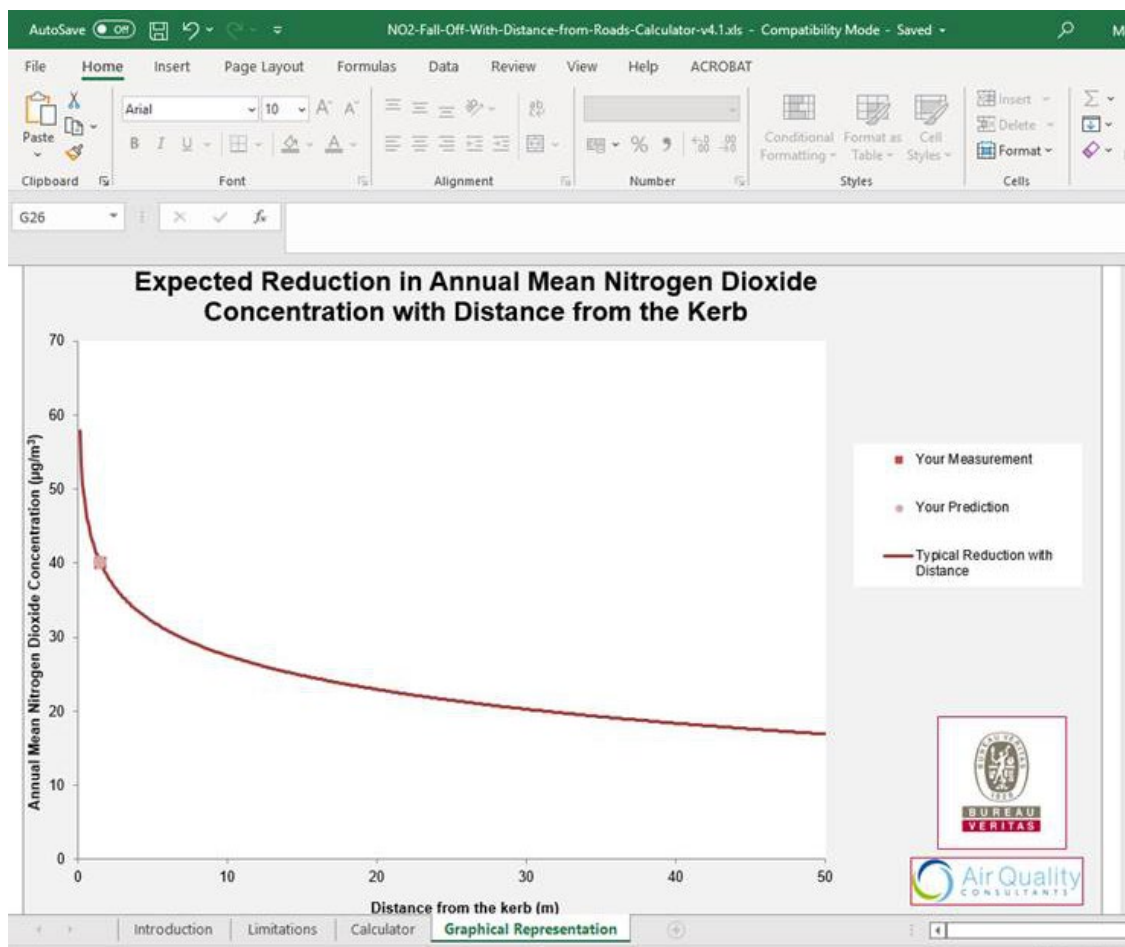
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Discharge was supported by a desk top air quality assessment produced by Redmore Environmental (Ref:4851)

The desktop assessment is not considered robust enough to draw any meaningful conclusions at this stage for the following reasons

- Vehicle numbers of 5582 based on 2020 (estimate), which are covid affected, with typical numbers more likely to be more around 7, 100*
*The location is at actual highways monitoring location, so data is readily available;
<https://roadtraffic.dft.gov.uk/manualcountpoints/77022>
- The consultant notes that this section of the is one way – *it is not clear what's meant by this*. The AADT given above is for one way traffic. This can be checked by reference to the associated data (above link)
- It is not clear when the google maps assessment was made (to determine if this is typical) . Significant weight appears to have been given to this.
- A comparison with the tube number 52, which showed an exceedance in the Air Quality Objective in 2019 is noted but this is dismissed as not being comparable (due to higher vehicle numbers et)
This is certainly accurate in part however, it should be supported by the actual vehicle numbers and also crucially, the distance of the monitor from the road (around 1.5m)
<https://www.google.com/maps/@52.9856735,-1.9857338,3a,47.6y,294.41h,84.22t/data=!3m6!1e1!3m4!1sYio7qfgefgeU14Yh1DHeLw!2e0!7i13312!8i6656>
- Whereas; The proposed property directly borders the road
<https://www.google.com/maps/@52.9860651,-1.9899104,3a,75y,293.59h,87.7t/data=!3m6!1e1!3m4!1sH7ZT-DTcklvDn0EIKKTW2mg!2e0!7i16384!8i8192>

The data used by the consultants for this comparison is Nitrogen dioxide. The distance from the road is crucial as this decreases rapidly as you move from the road e.g. If one assumes a background of 10 and the air quality objective of 40 (crucial level) is recorded at tube 52 The actual road side would be **is 57!!**



There is no discussion regarding the proposed location of the property to the source of pollution (the A521).

Regards

Dan

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