



Appendix 6.7 WHBC Correspondence

From: Terry Vincent <T.Vincent@welhat.gov.uk>
Sent: 03 December 2020 10:13
To: Austin Cogan
Subject: FW: Biopark - Air Quality Assessment

Good morning Austin,

I have just received your email. I am happy with your proposals.

Thanks.

Kind Regards

Terry Vincent AMIOA
Environmental Health Technical Officer
Welwyn Hatfield Borough Council
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t.vincent@welhat.gov.uk

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From: Austin Cogan
Sent: 01 December 2020 15:37
To: e.health@welhat.gov.uk
Subject: Biopark - Air Quality Assessment

Importance: High

Hi,

I'm currently working on an air quality assessment and would like to agree the approach for the assessment with you. The development is located at Biopark, Broadwater Road in Welwyn Garden City. The scheme involves approximately 293 residential units.

The main air quality concerns relating to the development and our intended approach for each aspect are set out below:

- Dust soiling and health effects resulting from dust generation during the demolition and construction phase
 - This will be assessed following the latest IAQM guidance
- Impacts of emissions from construction traffic generated by the development upon local air quality
 - There will be few trips per day and as such the impacts will be screened out as insignificant based on the screening criteria set out in the EPUK/IAQM guidance
- Impacts of emissions from operational road traffic vehicles generated by the development upon local air quality
 - There will be a net reduction in traffic generated by the site and as such the impacts will be screened out as insignificant based on the screening criteria set out in the EPUK/IAQM guidance
- Very localised impacts upon air quality associated with changes in streetscape due to the change in building massing at the site
 - This will be assessed using detailed dispersion modelling, utilising the advanced canyon module of the ADMS-Roads model
- Impacts of emissions from onsite undercroft car parking upon local air quality
 - This will be assessed using detailed dispersion modelling, utilising the ADMS-Roads model with the Defra's latest EFT emissions
- Impacts of emissions from the onsite combustion plant upon local air quality
 - This will be assessed using detailed dispersion modelling, utilising the ADMS model
- Air quality conditions for future occupants
 - This will be assessed using detailed dispersion modelling, taking account of emissions from local road traffic, streetscape effects, onsite undercroft car parking, onsite combustion plant, and nearby railway locomotives

Consideration will also be given to cumulative impacts with both the construction and operational phases.

The ADMS-Roads modelling will be verified against local monitoring and will take account of both the latest Defra background maps and nearby background monitoring sites.

We intend to complete the assessment within the next day, and would be very grateful if you could let me know if you are happy with the approach today or tomorrow.



Many thanks,

Dr Austin Cogan

Director

austincogan@airpollutionservices.co.uk



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