

Subject: FW: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

From: [REDACTED]
Sent: 31 March 2025 16:57
To: [REDACTED] <[REDACTED]@outlook.com>
Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

Hi [REDACTED]


We would expect to see lux levels included in the lighting strategy to aid the assessment of any landscape and ecological impacts in addition to impacts on residential receptors. Landscape considerations would include, for example, the protection of dark skies (Suffolk Coastal Local Plan, Sept 2020, Policy SCLP10.4: Landscape).

Many thanks,

[REDACTED]
Planning Officer
Growth, Highways and Infrastructure
Suffolk County Council
Telephone: [REDACTED]
Email: [REDACTED]@suffolk.gov.uk

The content of this email represents the informal opinion of the officer and is not binding upon the council.

From: [REDACTED] <[REDACTED]@outlook.com>
Sent: 28 March 2025 08:18
To: [REDACTED] <[REDACTED]@suffolk.gov.uk>
Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

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[REDACTED],

Yes, contaminated land was the subject of previous correspondence with ESC and the EA (attached). Based on this correspondence a contamination assessment will not accompany the planning application. I'd be grateful if you could clarify this with ESC.

For your information, the points concerning air quality, dust, noise, and vibration will all be covered by the respective assessments. However, whilst a lighting strategy will accompany the application it is not considered necessary to include lux levels due to the design measures taken and the lack of nearby receptors (see attached draft).

Kind regards,

Mineral Surveying Consultant

Please note new email address:

[REDACTED]@outlook.com

From: [REDACTED] <[REDACTED]@suffolk.gov.uk>

Sent: 27 March 2025 09:21

To: [REDACTED] <[REDACTED]@outlook.com>

Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

Hi [REDACTED]

I have received the attached from East Suffolk Council. Will a desk-based land contamination assessment be submitted with this application? If this was not planned, I am happy to query with ESC as I'm aware we have discussed the need for this previously.

No further response from Ipswich Borough apart from the attached. I have asked to confirm if the noise assessment is also acceptable but have not yet received a response.

Many thanks,

[REDACTED]

[REDACTED]

Planning Officer

Growth, Highways and Infrastructure

Suffolk County Council

Telephone: [REDACTED]

Email: [REDACTED]@suffolk.gov.uk


The content of this email represents the informal opinion of the officer and is not binding upon the council.

From: [REDACTED] <[REDACTED]@outlook.com>

Sent: 26 March 2025 16:02

To: [REDACTED] <[REDACTED]@suffolk.gov.uk>

Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

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[REDACTED]

We're now finalising Assessments so will need to receive any comments very shortly.

Kind regards,

[REDACTED]

Mineral Surveying Consultant

Please note new email address:

[REDACTED]@outlook.com

From: [REDACTED] <[REDACTED]@suffolk.gov.uk>

Sent: 20 March 2025 14:07

To: [REDACTED] [REDACTED]@outlook.com>

Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

Hi [REDACTED]

Sorry I missed your call – I have received your voicemail.

No response from ESC or IBC on the methodologies yet. I have chased again.

Best wishes,

[REDACTED]

[REDACTED]

Planning Officer
Growth, Highways and Infrastructure
Suffolk County Council
Telephone: [REDACTED]
Email: [REDACTED]@suffolk.gov.uk


The content of this email represents the informal opinion of the officer and is not binding upon the council.

From: [REDACTED] <[REDACTED]@outlook.com>

Sent: 25 February 2025 10:30

To: [REDACTED] <[REDACTED]@suffolk.gov.uk>

Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

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[REDACTED]

Thank you.

Yes, please proceed.

Kind regards,

[REDACTED]

Mineral Surveying Consultant

Please note new email address:

[REDACTED]@outlook.com

From: [REDACTED] [REDACTED]@suffolk.gov.uk>

Sent: 25 February 2025 09:17

To: [REDACTED] [REDACTED]@outlook.com>

Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

Hi [REDACTED]

Please see attached – comments from SRL on the Noise Assessment methodology.

Please could you confirm if you are happy for me to consult EHO on noise matters, too?

Thank you,

[REDACTED]

[REDACTED]

Planning Officer
Growth, Highways and Infrastructure
Suffolk County Council
Telephone: [REDACTED]
Email: [REDACTED]@suffolk.gov.uk


The content of this email represents the informal opinion of the officer and is not binding upon the council.

From: [REDACTED] <[REDACTED]@outlook.com>

Sent: 24 February 2025 14:08

To: [REDACTED] <[REDACTED]@suffolk.gov.uk>

Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

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[REDACTED]

I can confirm we have no issues, as all comments from SRL are reasonable.

Please proceed to consult ES EHO.

Kind regards,

[REDACTED]

Mineral Surveying Consultant

Please note new email address:

[REDACTED]@outlook.com

From: [REDACTED] <[REDACTED]@suffolk.gov.uk>

Sent: 24 February 2025 13:32

To: [REDACTED] <[REDACTED]@outlook.com>

Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

Hi [REDACTED]

Just wanted to follow up on the below email and confirm if yourself/[REDACTED] have any comments on SRL's response?

If you are satisfied, I can send to East Suffolk EHO to confirm they too are happy with the methodology.

Please let me know if you're happy for me to proceed.

Best wishes,

[REDACTED]

[REDACTED]
Planning Officer
Growth, Highways and Infrastructure
Suffolk County Council
Telephone: [REDACTED]
Email: [REDACTED]@suffolk.gov.uk

The content of this email represents the informal opinion of the officer and is not binding upon the council.

From: [REDACTED]
Sent: 06 February 2025 13:43
To: [REDACTED] <[REDACTED]@hydrock.com>; [REDACTED] <[REDACTED]@outlook.com>
Cc: [REDACTED] <[REDACTED]@hydrock.com>; [REDACTED] <[REDACTED]@hydrock.com>
Subject: RE: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

Hi [REDACTED] & [REDACTED]

Comments from SRL Air Quality on the proposed air quality assessment methodology are attached.


Please let me know if you have any questions or clarifications.

Many thanks,

[REDACTED]
Planning Officer
Growth, Highways and Infrastructure
Suffolk County Council
Telephone: [REDACTED]
Email: [REDACTED]@suffolk.gov.uk

The content of this email represents the informal opinion of the officer and is not binding upon the council.

From: [REDACTED] <[REDACTED]@hydrock.com>
Sent: 15 January 2025 10:18
To: [REDACTED] <[REDACTED]@suffolk.gov.uk>
Cc: [REDACTED] <[REDACTED]@hydrock.com>; [REDACTED] <[REDACTED]@hydrock.com>; [REDACTED] <[REDACTED]@outlook.com>
Subject: [Hydrock: 37451-AAIQ] Westerfield Mineral Extraction / Infilling - Proposed Air Quality Methodology

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Good morning [REDACTED]

We have been appointed to undertake an air quality assessment for the proposed extraction and processing of Sand and Gravel at Land east of Westerfield Road, Ipswich (grid reference; x618058 , y248651). Post extraction the land will be infilled with suitable soils and clays to restore the ground to original levels.

I would like to ask your views on the scope of our air quality assessment, as set out below.

Baseline reporting:

The baseline air quality conditions in the vicinity of the application site will be established using the following data sources:

- National Atmospheric Emissions Inventory, Environment Agency and Defra's Pollutant Release and Transfer Register (PRTR);
- Defra's modelled background and roadside concentrations of AQS pollutants (UK-AIR); and
- Latest available air quality monitoring data, derived from latest ASR.

Construction Dust Risk Assessment:

We will conduct a construction dust risk assessment in line with the IAQM's guidance. This will determine the level of risk and we will recommend appropriate mitigation based on the risk level to reduce impacts to negligible. Mitigation measures will be suitable for inclusion into a DMP.

Assessment of Operational Phase Impacts

Vehicular Emissions

Changes in traffic flows associated with the proposed development will be screened against the EPUK & IAQM thresholds as outlined in EPUK & IAQM *Land-Use Planning & Development Control: Planning For Air Quality* guidance.

If traffic flows exceed the criteria, potential impacts associated with changes in vehicle emissions will be assessed using detailed dispersion modelling (ADMS Urban). Pollutants including Nitrogen Dioxide (NO₂) and particulate matter (PM₁₀ and PM_{2.5}) will be considered. Compliance against the 1-hour mean NO₂ and 24-hour mean PM₁₀ objectives will be derived from the methodology outlined within LAQM.TG(22). The EPUK & IAQM significance criteria will be used to determine the significance of impacts.

The assessment will consider the following scenarios:

- Verification (2023)
- 'Do Nothing' - Future baseline adjusted to proposed opening year
- 'Do Minimum' - Opening year without development (adjusted baseline to opening year of development, inclusive of any specific Cumulative Schemes / Committed Development flows); and
- 'Do Something' - Opening year with development (inclusive of the above (Do Minimum) and operational phase trips associated with the development).

Emission factors will be calculated based upon the opening year of the development (TBC), using the Emission Factor Toolkit (EFT) v12. Meteorological data will be obtained from Wattingham (2023), subject to suitable data

capture. Background concentrations will be obtained from the Defra background maps. Modelled concentrations will be verified in accordance with LAQM.TG(22). Based upon initial review, we would propose to verify the model with existing Ipswich Borough Council monitoring data situated south of the Site along the main arterial roads.

Receptors for inclusion within the operational phase assessment will be based upon those roads projected to witness a change in traffic flows above EPUK & IAQM thresholds.

Dust Emissions

The Proposed Development has the potential to generate emissions of dust during its operation. Therefore, we will undertake a dust risk assessment (DRA) in accordance with the IAQM Guidance on the Assessment of Mineral Dust Impacts for Planning. The DRA will inform the Dust Management Plan and the relevant site specific mitigation measures to reduce potential impacts, where relevant.

Dust Management Plan

The DMP will be prepared in accordance with the IAQM construction guidance¹ and IAQM Minerals Dust guidance. The DMP will contain the following information, where applicable:

- Summary of work to be carried out;
- Description of site layout and surrounding locale;
- Summary of the dust risk assessments;
- Identification of all dust and emission control measures, including monitoring procedures;
- Complaints procedure and form; and
- Site management and contingency measures.

The DMP will be developed as a live document.

If you are aware of any additional information that you feel may be relevant to this assessment, I would be grateful if you could provide further details.

Kind regards

[Redacted]
Principal Air Quality Consultant

[Redacted]

[Redacted] [Redacted] [Redacted]

Hydrock, now Stantec

Merchant's House North, Wapping Road, Bristol, BS1 4RW

Tel: [REDACTED] M: [REDACTED]

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