

Air Quality and Dust Monitoring Monthly Report – July 2022

North Warwickshire Borough Council



Department for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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A report prepared by EWCs and MWCCs on behalf of HS2 Ltd.

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Monthly Summary

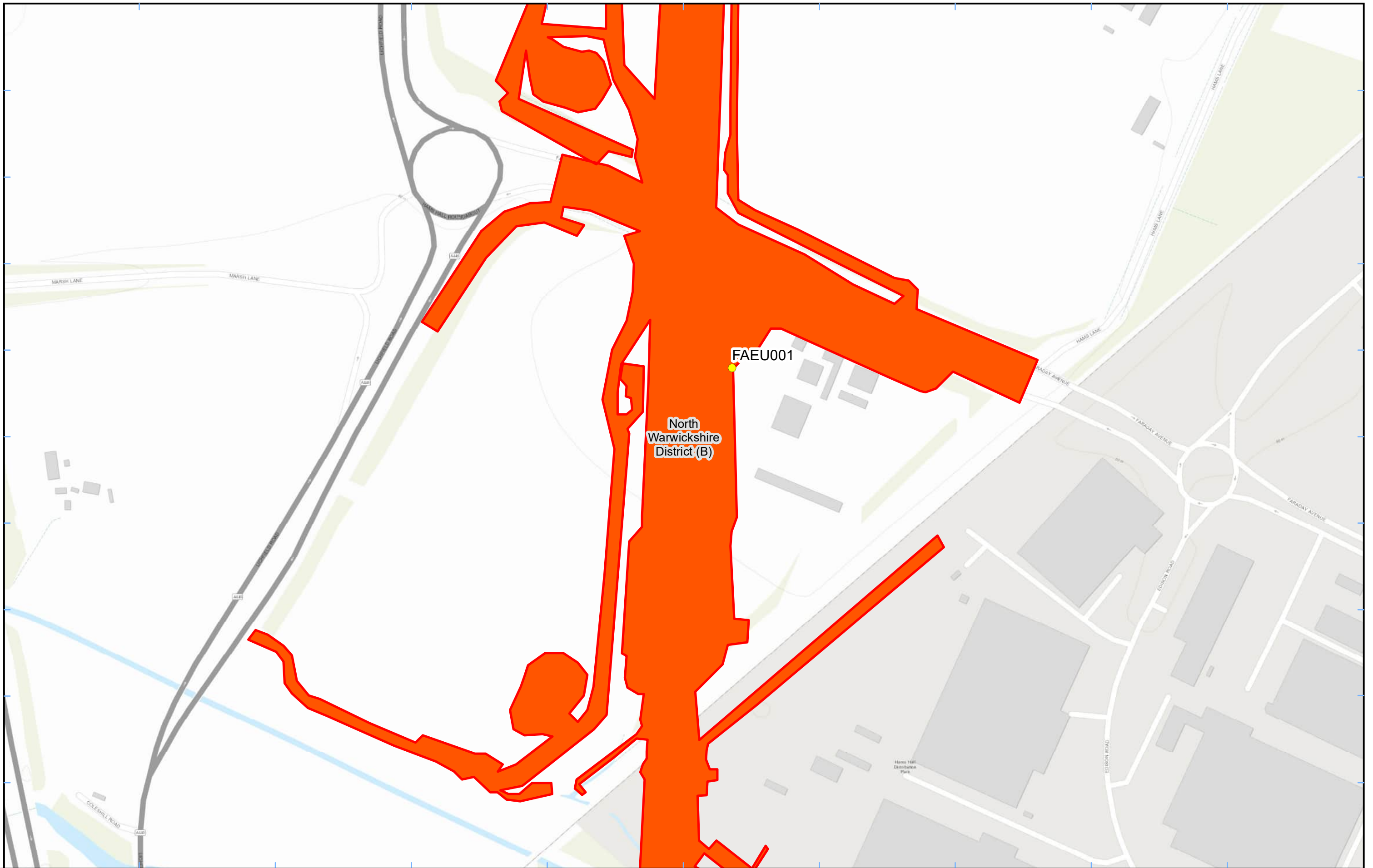
- 1.1.1 This Summary Report is published in fulfilment of commitments detailed in the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, Annex 1: Code of Construction Practice, for the nominated undertaker to present the results of air quality and dust monitoring undertaken in North Warwickshire Borough Council (NWBC) during July 2022.
- 1.1.2 Figure 1 in Appendix A indicates the current worksites together with the dust monitoring location for July 2022.
- 1.1.3 This summary should be read in conjunction with the overview monitoring report monthly available from www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2, which highlights: the applicable standards and guidance, as well as the air quality and dust monitoring methodologies to be implemented by nominated undertakers throughout construction.
- 1.1.4 The current worksite at The Faraday Avenue Embankment and Underbridge site (Sublot 7), as presented in Appendix A, Figure 1, includes Bell mouth and noise barrier construction.
- 1.1.5 One (1) dust monitor is installed at the worksite, where works are underway. This site returned a medium dust risk rating.
- 1.1.6 Dust monitoring location and results are presented in Appendix B, Table 1, together with a line chart of monthly data from the dust monitor presented in Figure 2. All continuous dust monitoring is undertaken using indicative monitors. Despite being Environment Agency (MCERTS) certified, indicative monitors carry a higher level of uncertainty than reference monitors, and therefore cannot be strictly compared with Air Quality Standards for human health and the environment. The purpose of the monitoring undertaken is to ensure the effectiveness of the on-site mitigations.
- 1.1.7 The trigger level for PM₁₀ concentrations of 190 µg/m³, over a 1-hour period, in accordance with the updated guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (October 2018)*' has been applied.
- 1.1.8 There were no (0) dust trigger alerts recorded during the monitoring period (July 2022).
- 1.1.9 Table 1 provides a summary of the complaint information related to dust or air quality received during the reporting period, together with the findings of any related investigations.

Table 1: Summary of complaints received during July 2022 in NWBC

Complaint Reference No.	Worksite Reference	Description of complaint	Results of investigation
HS2-22-43792-C	N/A	Dust generated from grab truck.	Mitigations provided to stakeholder. Dust monitor has been in place for a number of months and showed low levels.

Appendix A – Worksites and Monitoring Locations

Figure 1: Worksites and monitoring locations within the NWBC



Legend

- Dust Monitor
- District Borough Unitary Boundaries
- Worksite

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Map Number

Map Name
**Worksite and Monitoring Locations
 In NWBC (Sheet 1)**

North Warwickshire Borough

Doc Number:

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Scale at A3: 1:3,000

Metres

Date: 28/04/22

Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and July 2022 results

Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1-hour periods exceeding trigger level of 190 µg/m ³	Data capture (%)
FAEU001	419164, 292273	Faraday Avenue Embankment and Underbridge, at Orchard Cottage	M	Yes	No	5.8	0.8	27.2	0	100.0

Figure 3: Construction dust 1-hour mean indicative PM₁₀ concentration for dust monitor FAEU001

