

## Air Quality and Dust Monitoring Monthly Report – February 2023

Stafford Borough Council (SBC), Newcastle-  
under-Lyme Borough Council (NBC) and  
Cheshire East Council (CEC)



## 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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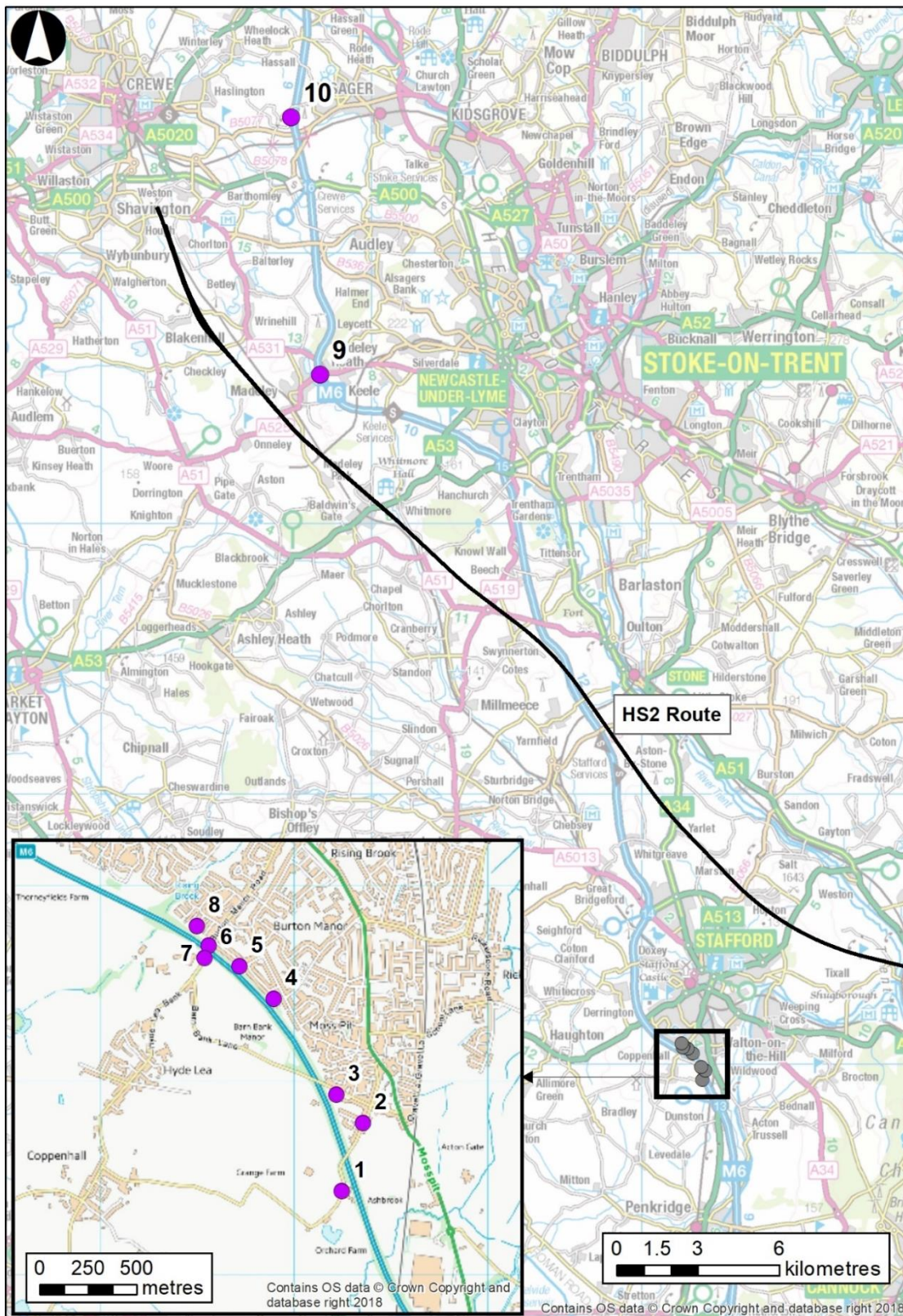
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# Monthly Summary

- 1.1.1 This Summary Report is published in fulfilment of commitments detailed in the High Speed Rail (West Midlands to Crewe) Environmental Minimum Requirements, Annex 1: Code of Construction Practice, for the nominated undertaker to present the results of air quality monitoring undertaken in Stafford Borough Council (SBC), Newcastle-under-Lyme Borough Council (NBC) and Cheshire East Council (CEC) during January 2023.
- 1.1.2 Figure 1 in Appendix A indicates the current air quality monitoring locations.
- 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](http://www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2), which highlights the applicable standards and guidance, as well as monitoring methodology, to be followed by the nominated undertakers in undertaking the required air quality and dust monitoring.
- 1.1.4 There are no current worksites located within this area. Therefore, no dust monitoring has been carried out.
- 1.1.5 Diffusion tube monitoring of Nitrogen dioxide (NO<sub>2</sub>) was undertaken at ten (10) locations in January 2023, around highways within SBC, NBC and CEC as part of the management of air quality where significant effects may occur as a result of the scheme.
- 1.1.6 Diffusion tube monitoring results are as provided from the laboratory analysis, and therefore still require various analysis and adjustments to be undertaken. Final corrected results will be presented and described in the annual report. However, based on the results to date, no unexpected values were recorded during the monitoring period.
- 1.1.7 NO<sub>2</sub> monitoring locations and results are presented in Appendix B, Table 1 alongside the running average for 2023.
- 1.1.8 There were no (0) complaints received during this monitoring period (February 2023).

# Appendix A –Monitoring Locations

Figure 1: Current monitoring locations within SBC, NBC and CEC



# Appendix B – Air Quality Monitoring Results

Table 1: NO<sub>2</sub> concentrations and monthly monitoring results for January 2023 (µg/m<sup>3</sup>)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Running average <sup>i</sup>
1	Ashflats Lane	392247, 319432	11												11
2	Ash Rise	392355, 319784	19												19
3	Barn Bank Lane	392217, 319929	29												29
4	Southfields Close	391894, 320423	29												29
5	Devon Way	391717, 320592	31												31
6	Burton Manor Road E	391559, 320699	18												18
7	Burton Manor Road W	391539, 320634	22												22
8	Crinan Grove	391498, 320799	24												24
9	Newcastle Road	378110, 345523	31												31
10	Nursery Road	377035, 355030	16												16

<sup>i</sup> Note: to aid interpretation and conform with best practice, the monthly measurements in this table are reported rounded to the nearest whole number. The annual average presented here is calculated based on laboratory data to 4 significant figures, rounded to a whole number, and therefore may differ slightly to a mean derived from averaging the rounded monthly measurements in the table.