

## Air Quality and Dust Monitoring Monthly Report – February 2021

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.

High Speed Two (HS2) Limited,  
Two Snowhill  
Snow Hill Queensway  
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: [HS2enquiries@hs2.org.uk](mailto:HS2enquiries@hs2.org.uk)

Website: [www.gov.uk/hs2](http://www.gov.uk/hs2)

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

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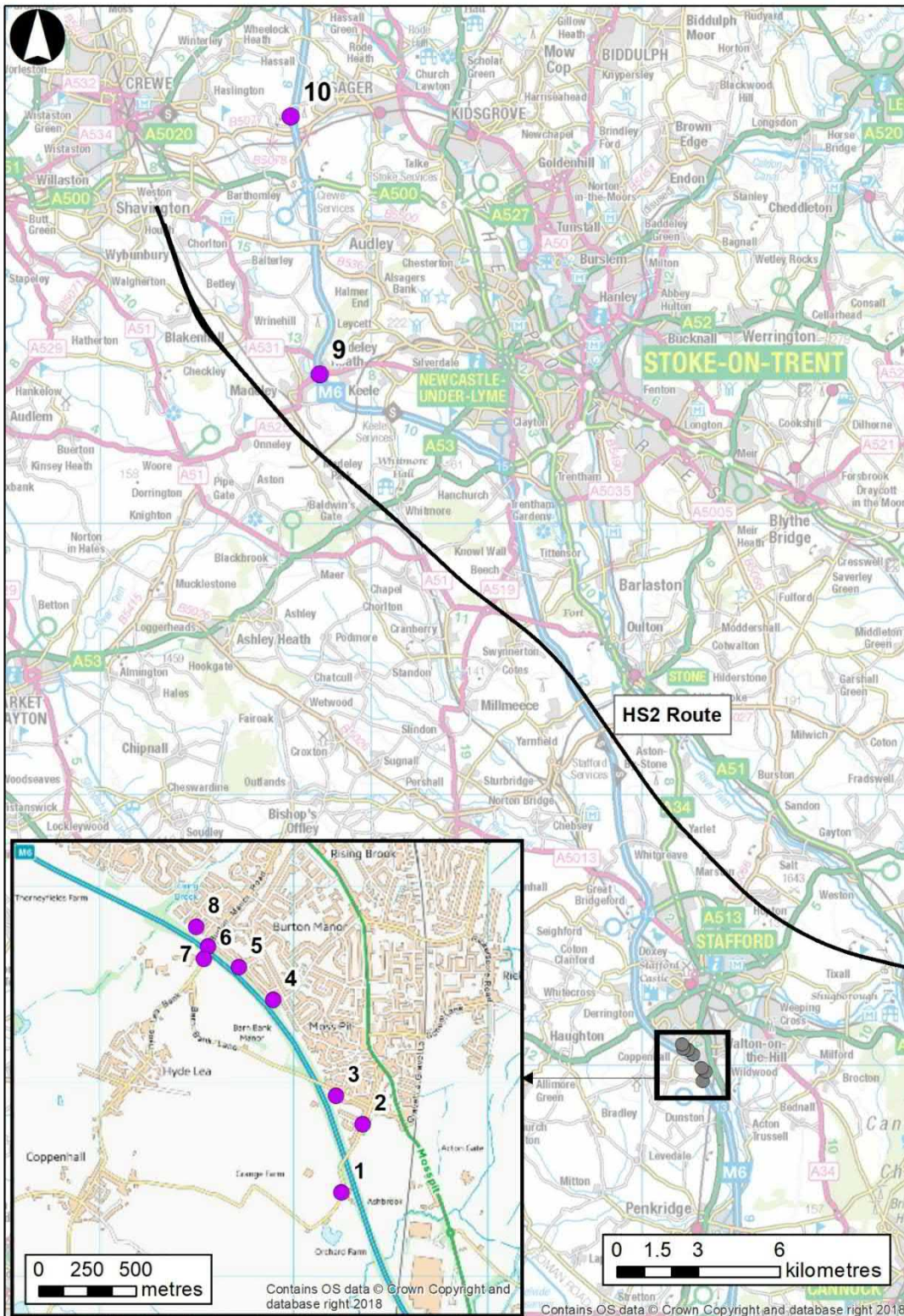
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# Monthly Summary

- 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 2021.
- 1.1.2 Figure 1 in Appendix A indicates the current air quality monitoring locations within SBC, NBC and CEC for January 2021.
- 1.1.3 This summary should be read in conjunction with the overview monitoring report 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, followed by the nominated undertaker in undertaking the required air quality and dust monitoring.
- 1.1.4 There are no construction works being undertaken across Phase 2a. Current works include ground investigations; survey works and utility diversions. Therefore, no dust monitoring is being undertaken.
- 1.1.5 Diffusion tube monitoring of Nitrogen dioxide (NO<sub>2</sub>) was undertaken at ten (10) locations around highways within SBC, NBC and CEC as part of the management of air quality where significant effects may occur as a result 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, together with the 2021 running mean.
- 1.1.8 There were no (0) complaints received, relating to air quality, during this reporting period (February 2021).

# 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 with running mean for 2021 (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	Mean <sup>1</sup>
1	Ashflats Lane	392247, 319432	18												
2	Ash Rise	392355, 319784	21												
3	Barn Bank Lane	392217, 319929	29												
4	Southfields Close	391894, 320423	30												
5	Devon Way	391717, 320592	30												
6	Burton Manor Road E	391559, 320699	24												
7	Burton Manor Road W	391539, 320634	23												
8	Crinan Grove	391498, 320799	25												
9	Newcastle Road	378110, 345523	32												
10	Nursery Road	377035, 355030	20												

<sup>1</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 mean 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.