

Air Quality and Dust Monitoring Monthly Report – August 2021

Warwick District 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.

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

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.gov.uk/hs2

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

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2021, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v2.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/2 **OGI** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



Printed in Great Britain on paper containing at least 75% recycled fibre.

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 dust monitoring undertaken in Warwick District Council (WDC) during August 2021.
- 1.1.2 Figure 1 to Figure 3 in Appendix A indicate the current worksites together with the dust monitoring locations for August 2021.
- 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 phase of works at Sublot 2B2 works within WDC, commenced in November 2020 and is expected to be completed by 2026. The Sublot 2B2 works at Burton Green as presented Appendix A, Figure 1 include Burton Green Tunnel and related construction assets, such as: construction of the haul road and compound at the South Portal; earthworks in the vicinity of Hodgetts Lane; and removal of tree roots and vegetation from North Cromwell Lane to Waste Lane.
- 1.1.5 The current phase of works at Sublot 2B1 commenced in April 2021 and are expected to continue up to 2023-2024. Works at Sublot 2B1 as presented in Appendix A, Figure 3, include the A429 Kenilworth Road Overbridge and related construction assets, such as: soil stripping, stockpiling and temporary drainage construction.
- 1.1.6 Five (5) dust monitors are installed around worksites, where works are underway. These sites returned a medium dust rating.
- 1.1.7 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor, in Figure 4. 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 mitigation.
- 1.1.8 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.

- 1.1.9 There were no (0) dust trigger alerts recorded during the monitoring period (August 2021).
- 1.1.10 Data capture for monitoring sites 2B2003 and 2AS001 was below 90%, due to the monitors being installed on the 19/08/21 and 18/08/21 respectively.
- 1.1.11 There were no (0) complaints during this reporting period (August 2021).

Appendix A – Worksites and Monitoring Locations

Figure 1: Worksites and Monitoring locations for Sublot 2B2 within Warwick District Council during August 2021

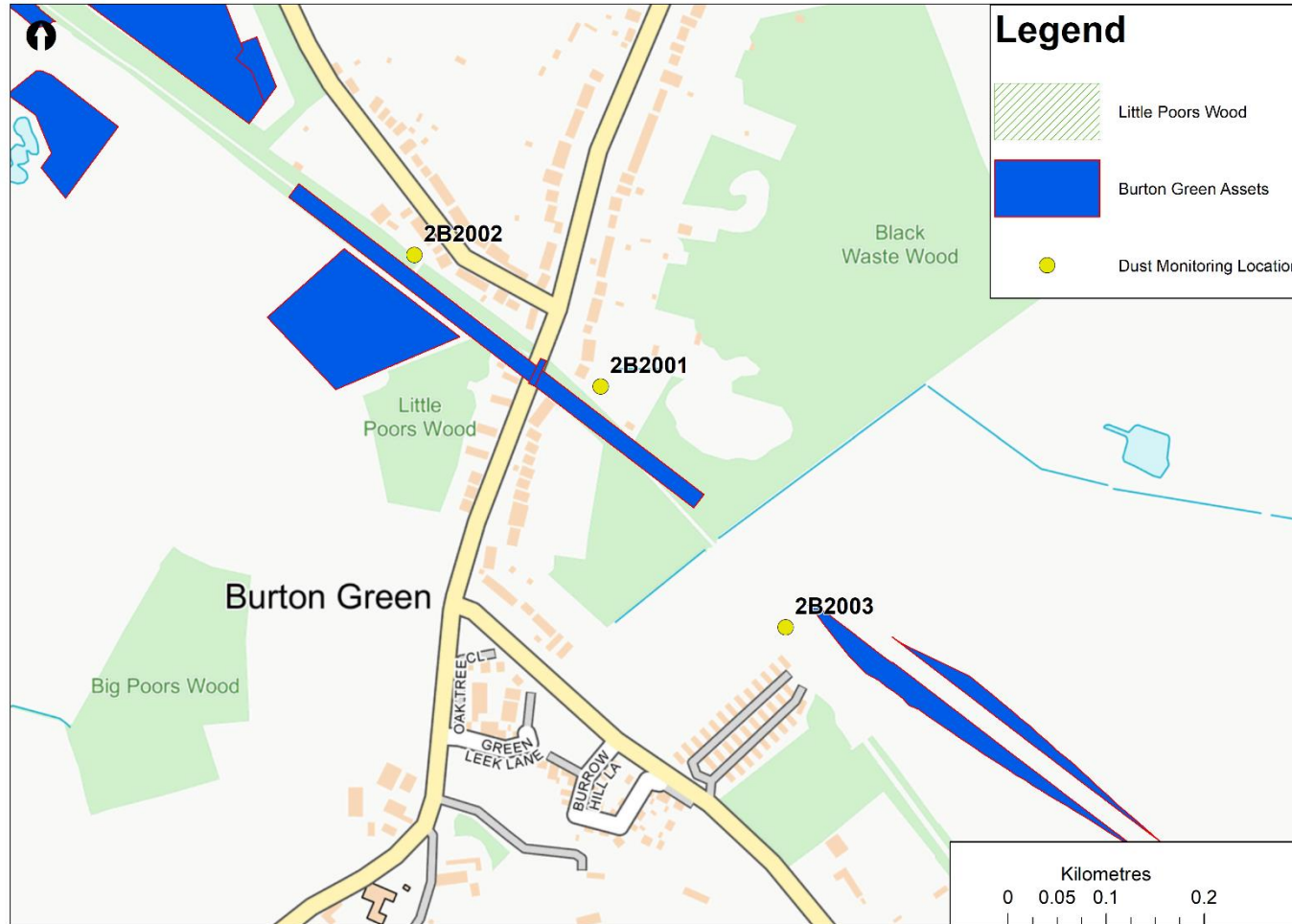
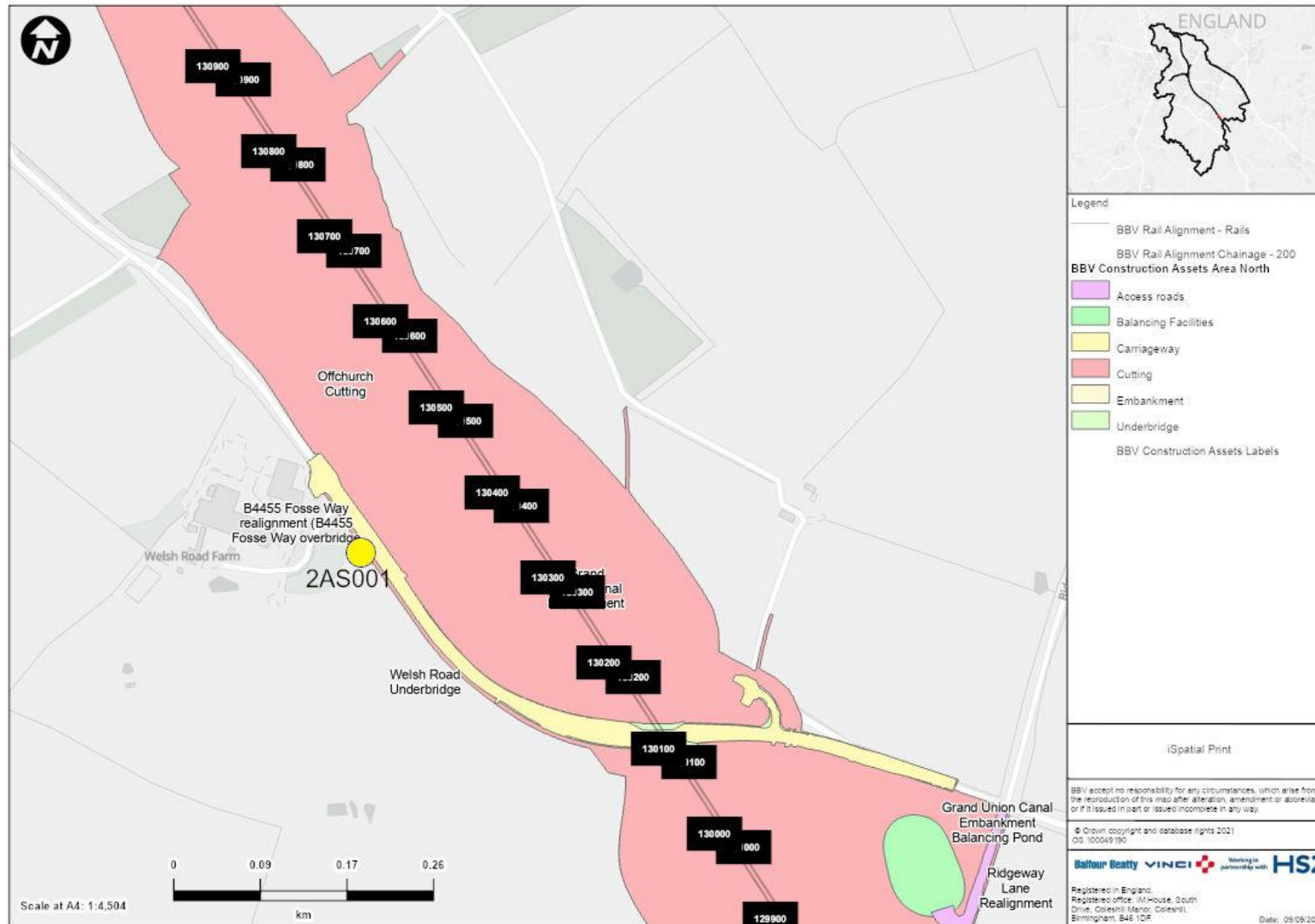


Figure 2: Worksites and Monitoring locations for subplot 2AS within Warwick District Council during August 2021



or

Figure 3: Worksites and Monitoring locations for subplot 2B1 within Warwick District Council during August 2021

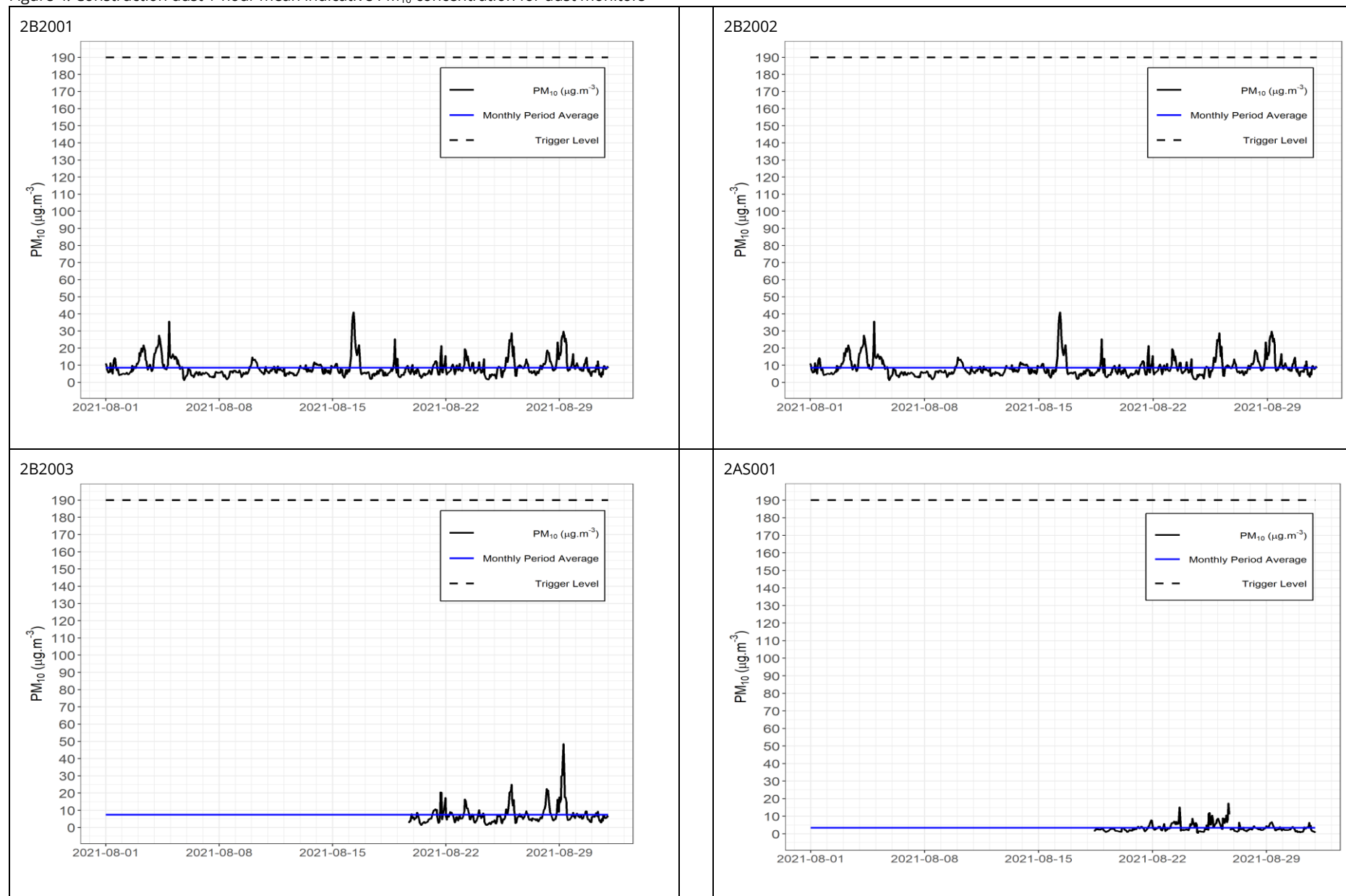


Appendix B – Dust Monitoring Results

Table 1: Dust monitoring locations and August 2021 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 (%)
2B2001	426960, 275882	Sublot 2B2, at nearest sensitive receptor on Cromwell Lane	M	Yes	No	8.6	1.4	40.9	0	100.0
2B2002	426772, 276017	Sublot 2B2, at nearest sensitive receptor on Hodgetts Lane	M	Yes	No	1.1	0.0	12.1	0	99.9
2B2003	427151, 275637	Sublot 2B2, at Broadwell Woods Caravan Park	M	Yes	No	7.5	1.4	48.4	0	39.7
2AS001	437574, 264500	Sublot 2AS, at Welsh Road Farm	M	Yes	No	3.4	0.5	17.3	0	43.8
2B1001	430183, 273698	Sublot 2B1, at nearest sensitive receptor, Brookview Farm, Millburn Grange	M	Yes	No	3.1	0.1	14.9	0	99.9

Figure 4: Construction dust 1-hour mean indicative PM₁₀ concentration for dust monitors



2B1001

