HS2

August 2026

Air Quality and Dust Monitoring Monthly Report – August 2026

Three Rivers District Council

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Department for Transport

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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 dust monitoring undertaken in the Three Rivers District Council (TRDC) during August 2026.

1.1.2 Figure 1 in Appendix A presents the current worksite together with the dust monitoring locations.

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, 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 worksites, as presented in Appendix A, Figure 1, include:

South Portal site (Phase 13)

- General Plant: Wheel washers, generators and site-wide support plant;
- Earthworks and Drainage: Excavation, drainage, filling & subgrade, ground stabilisation, chalk cake placement, stockpiling and pugmill plant operation;
- Tunnelling Works (Surface Support): Cooling plant operation, multi-service vehicles, storage on top of south portal, tunnel walkways and decommissioning of tunnel support activities;
- South Portal Civils Works: Permanent works and porous works;
- Surface Water Management: Surface water management and pond water treatment plan;
- Landscaping Works: Seeding, planting and fencing; and
- Site demobilisation: Steel scraping area, Dismantling – Cake Shed, TBM and Warehouse, Tunnel precast factory building dismantling and batching plant 2&3 aggregate bay dismantling.

1.1.5 Four (4) dust monitors are installed around this worksite, where works are underway. These sites returned a medium dust risk rating.

1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each 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 mitigation.

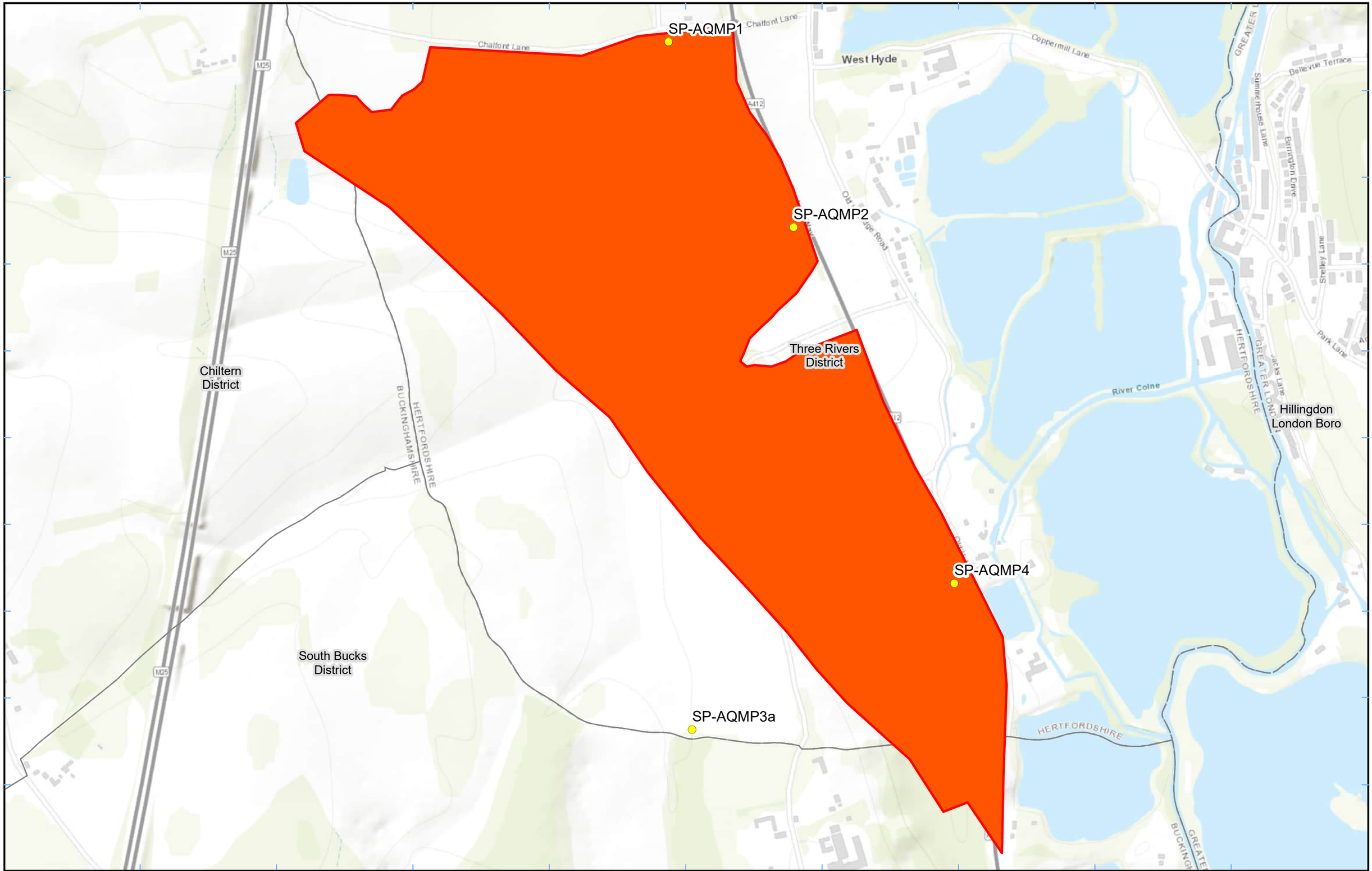
1.1.7 The trigger level for PM_{10} concentrations of 190 µg/m^3, measured as a 1-hour mean, in accordance with the updated IAQM guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (October 2018)*' has been applied.

1.1.8 Data capture at monitor SP-AQMP3a was below 90% due to a power cable being damaged during vegetation clearance works on 12th August 2026; a replacement cable was ordered for installation in early September, with any additional intermittent data loss attributable to technical issues and/or insufficient solar or wind power, and all corrective actions have been completed or are ongoing.

1.1.9 There were no (0) complaints received during the reporting period (August 2026).

Appendix A – Worksite and Monitoring Locations

Figure 1: Worksites and Monitoring Locations within TRDC



Legend

- Dust Monitor
- District Borough Unitary Boundaries
- Worksite

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Map Number

Map Name

Worksite and Monitoring Locations In TRDC (Sheet 1)

Three Rivers District Council

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Scale at A3: 1:7,000

0 70 140 210 280
Metres

Doc Number:

Date: 10/08/23

Appendix B – Dust Monitoring Results

Table 1: Dust monitoring locations and 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 PM10 concentration (µg/m3)	Minimum 1-hour PM10 concentration (µg/m3)	Maximum 1-hour PM10 concentration (µg/m3)	Number of 1-hour periods exceeding trigger level of 190 µg/m3	Data capture (%)
SP-AQMP1	502922, 191467	On the northern boundary of the site at Chalfont Lane	M	Yes	Yes	5.0	1.0	26.0	0	97.6
SP-AQMP2	503176, 191090	On the eastern boundary of the site at Denham Way	M	Yes	Yes	6.9	3.6	29.2	0	99.7
SP-AQMP3a	502970, 190069	On the southern boundary of the site at Old Shire Lane	M	Yes	Yes	5.5	2.9	14.1	0	35.9
SP-AQMP4	503503, 190366	On the eastern boundary of the site on the A412	M	Yes	Yes	6.4	4.6	29.6	0	99.9

Figure 2: Continuous dust 1-hour mean indicative PM_{10} concentration for all dust monitors

