

Air Quality and Dust Monitoring Monthly Report – August 2018

Birmingham City 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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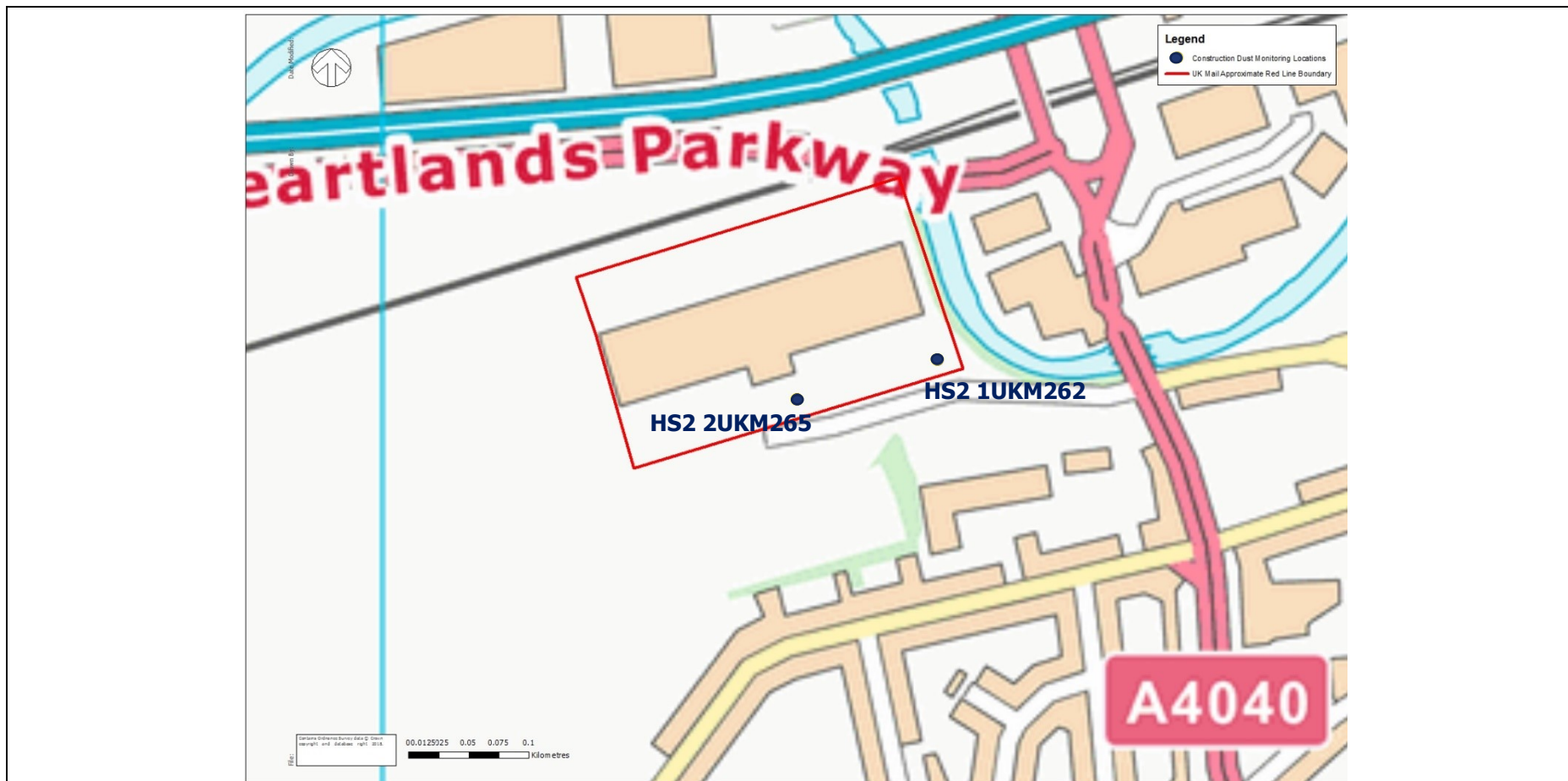
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Monthly Summary

- 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 within Birmingham City Council (BCC) during July and August 2018.
- 1.1.2 Figure 1 in Appendix A indicates the current work site together with dust monitoring locations for July and August 2018.
- 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 monitoring methodologies to be implemented by nominated undertakers throughout construction.
- 1.1.4 The current phase of works commenced in BCC during July 2018 and are expected to be completed by the end of September 2018. The current worksite, as presented in Appendix A, Figure 1, includes demolition of the existing UK Mail building. The majority of the building to be demolished is constructed of metal cladding (95%) with the remaining 5% brick work. Crushing of the material will take place at this site, however there will be no works taking place at the site below slab level.
- 1.1.5 Two (2) dust monitors (DM11) were installed around the worksite, where demolition and pre-demolition works were underway. This site was classified with a medium dust risk rating, in accordance with the methodology described in the Overview Monitoring Report, available from www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2, in line with the IAQM Guidance (2014) on the assessment of dust from demolition and construction activities.
- 1.1.6 Dust monitoring locations and results for July and August 2018 are presented in Appendix B, Table 1, together with line charts for July and August from each dust monitor.
- 1.1.7 No exceedances of the dust trigger level were recorded during the monitoring period.
- 1.1.8 No complaints were received for air quality during the monitoring period (July to August 2018).

Appendix A – Worksites and Monitoring Locations

Figure 1: Worksite and Monitoring locations during July and August 2018



<p>Figure Name</p>	<p>HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.</p>		
<p>Monitoring locations during July and August 2018 in BCC</p>			

Appendix B – Dust Monitoring Results

Table 1: Dust monitoring locations July and August 2018 Results

Monitoring site ID	Month	Coordinates (X,Y)	Location description	Dust risk rating for site ¹	Monitoring site active during period	Change to site since previous period report	Mean 15-minute PM10 concentration (µg/m ³)	Minimum 15-minute PM10 concentration (µg/m ³)	Maximum 15-minute PM10 concentration (µg/m ³)	Number of 15-min periods exceeding trigger level of 250 µg/m ³	15-min data capture (%)
HS2 1UKM262	July	411460,289480	Monitor secured to yellow barrier to the south east of the UK Mail building	M	Yes	N/A	9.0	1.1	56.5	0	82.5
HS2 2UKM 265	July	411344,289446	Monitor secured to the yellow barrier to the south of the UK Mail building	M	Yes	N/A	9.4	2.2	23.2	0	82.5
HS2 1UKM262	August	411460,289480	Monitor secured to yellow barrier to the south east of the UK Mail building	M	Yes	N/A	8.9	4.9	56.1	0	74.3
HS2 2UKM 265	August	411344,289446	Monitor secured to the yellow barrier to the south of the UK Mail building	M	Yes	N/A	8.9	4.0	71.1	0	74.3

¹ The dust risk rating (H – High, M – Medium, L – Low) has been assigned in accordance with the methodology described in the Overview Monitoring Report, available from www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2, in line with the IAQM Guidance (2014) on the assessment of dust from demolition and construction activities.

Figure 2: Construction dust 15-minute mean indicative PM₁₀ concentration for HS2 262 1UKM (July 2018)

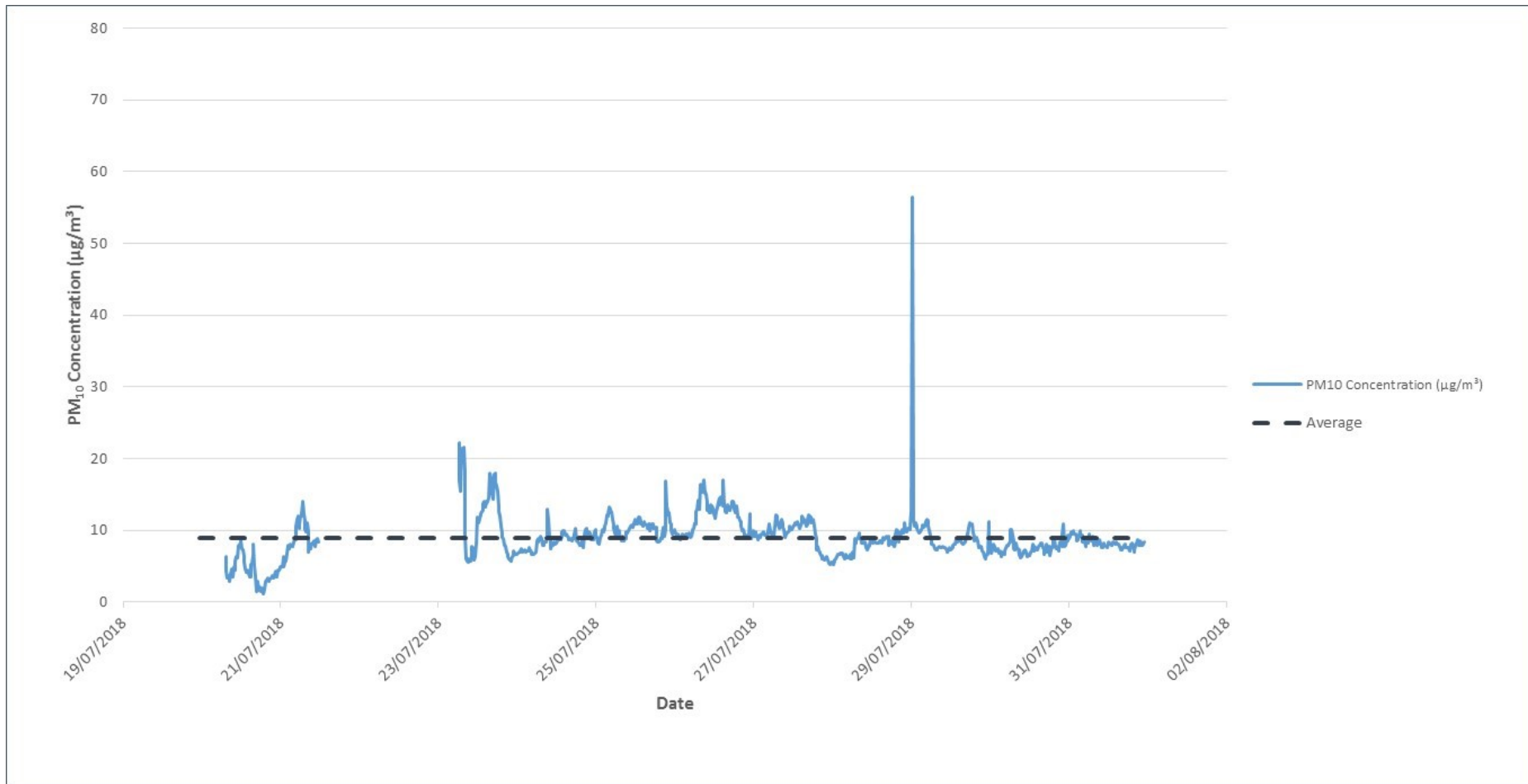


Figure 3: Construction dust 15-minute mean indicative PM₁₀ concentration for HS2 265 2UKM (July 2018)

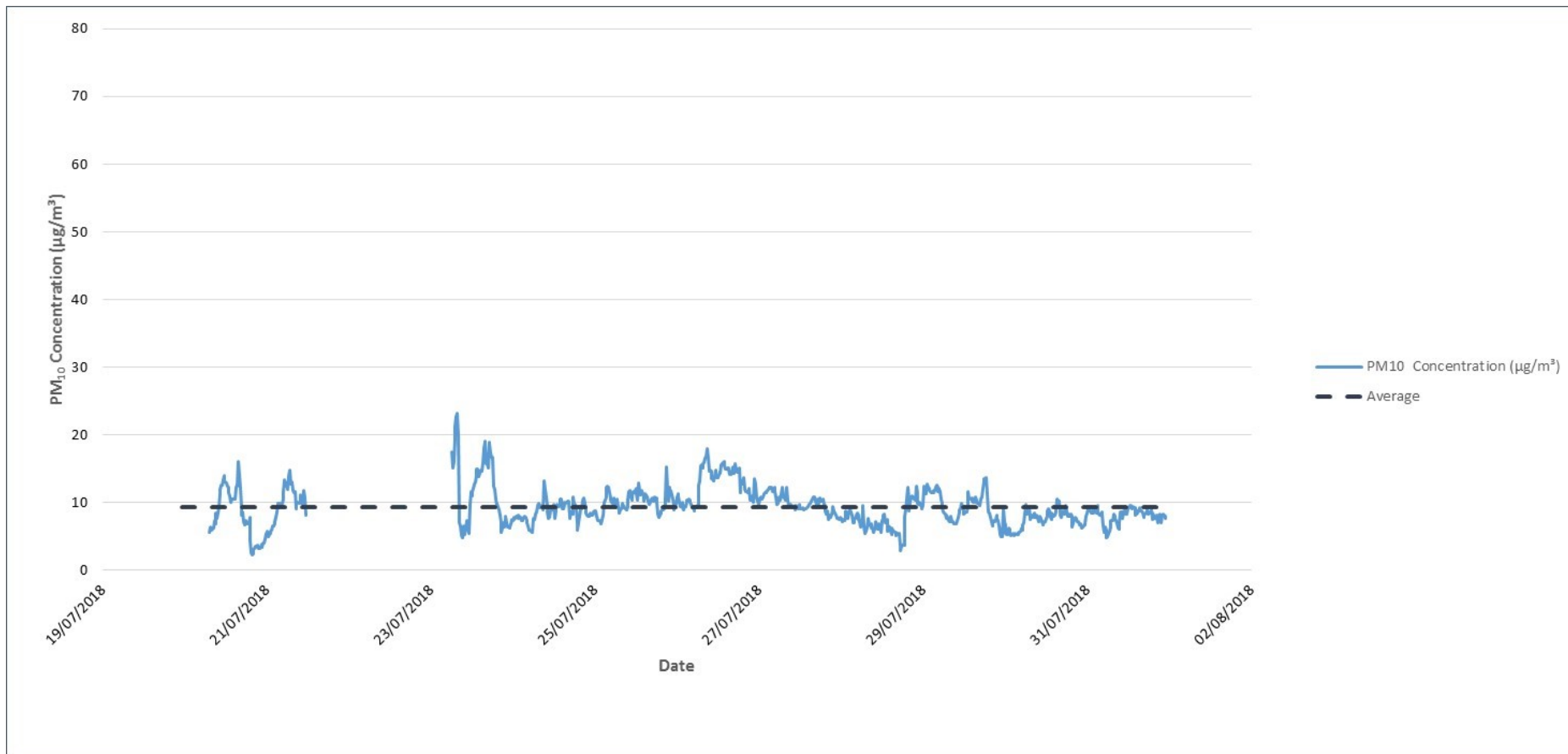


Figure 4: Construction dust 15-minute mean indicative PM₁₀ concentration for HS2 262 1UKM (August 2018)

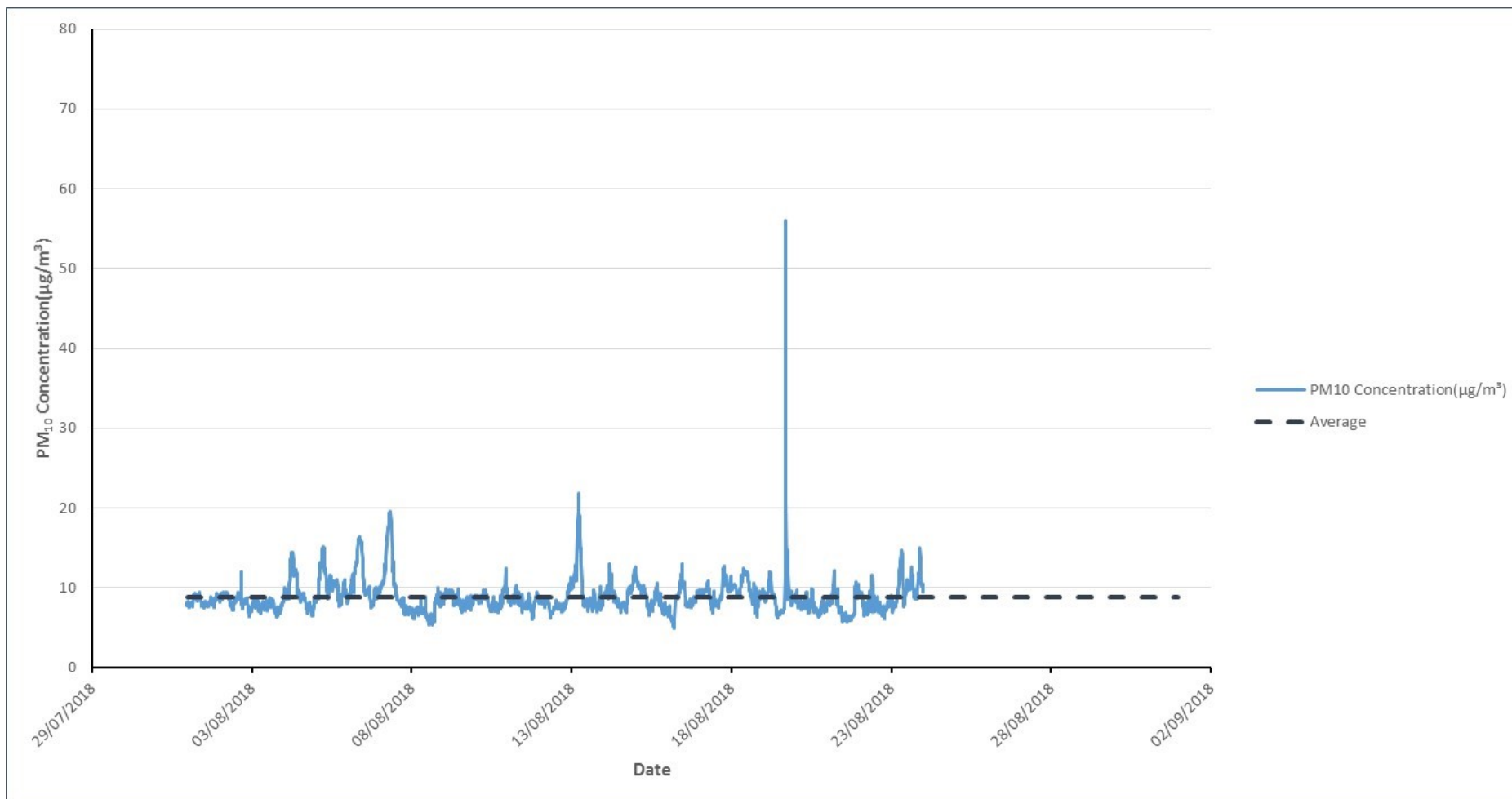


Figure 5: Construction dust 15-minute mean indicative PM₁₀ concentration for HS2 265 2UKM (August 2018)

