

## Air Quality and Dust Monitoring Monthly Report – May 2026

**Lichfield 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](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.

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, 2026, 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 v3.0. To view this licence, visit [www.nationalarchives.gov.uk/doc/open-governmentlicence/version/3](http://www.nationalarchives.gov.uk/doc/open-governmentlicence/version/3) **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: [psi@nationalarchives.gsi.gov.uk](mailto: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.



# 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 air quality and dust monitoring undertaken in Lichfield District Council (LDC) during May 2026.
- 1.1.2 Figures 1 and Figure 2 in Appendix A presents the current worksites together with the dust 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 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, Figures 1 and 2, include:

## **Sublot 8.1**

### Whittington Common Cutting

- No works occurred in May 2026.

### Swinfen Cutting South

- No works occurred in May 2026.

## **Sublot 8.2**

### Streethay Area 7 works

- Piling works including excavation with piling rig, installation and removal of casings, use of crane for different lifting activities, concrete deliveries, cages deliveries and other, and removal of arisings with excavator and lorries.

### Streethay Area 1 works

- Excavation (with excavator to expose the piles, and removal of arisings with lorries) and pile cropping (with 5 tonne excavator with breaker, 40 tonne excavator, drilling tool, milling tool and link cropper).

### **Sublot 8.3**

#### Streethay Area 7 works

- Piling works including excavation with piling rig, installation and removal of casings, use of crane for different lifting activities, concrete deliveries, cages deliveries and other, and removal of arisings with excavator and lorries.

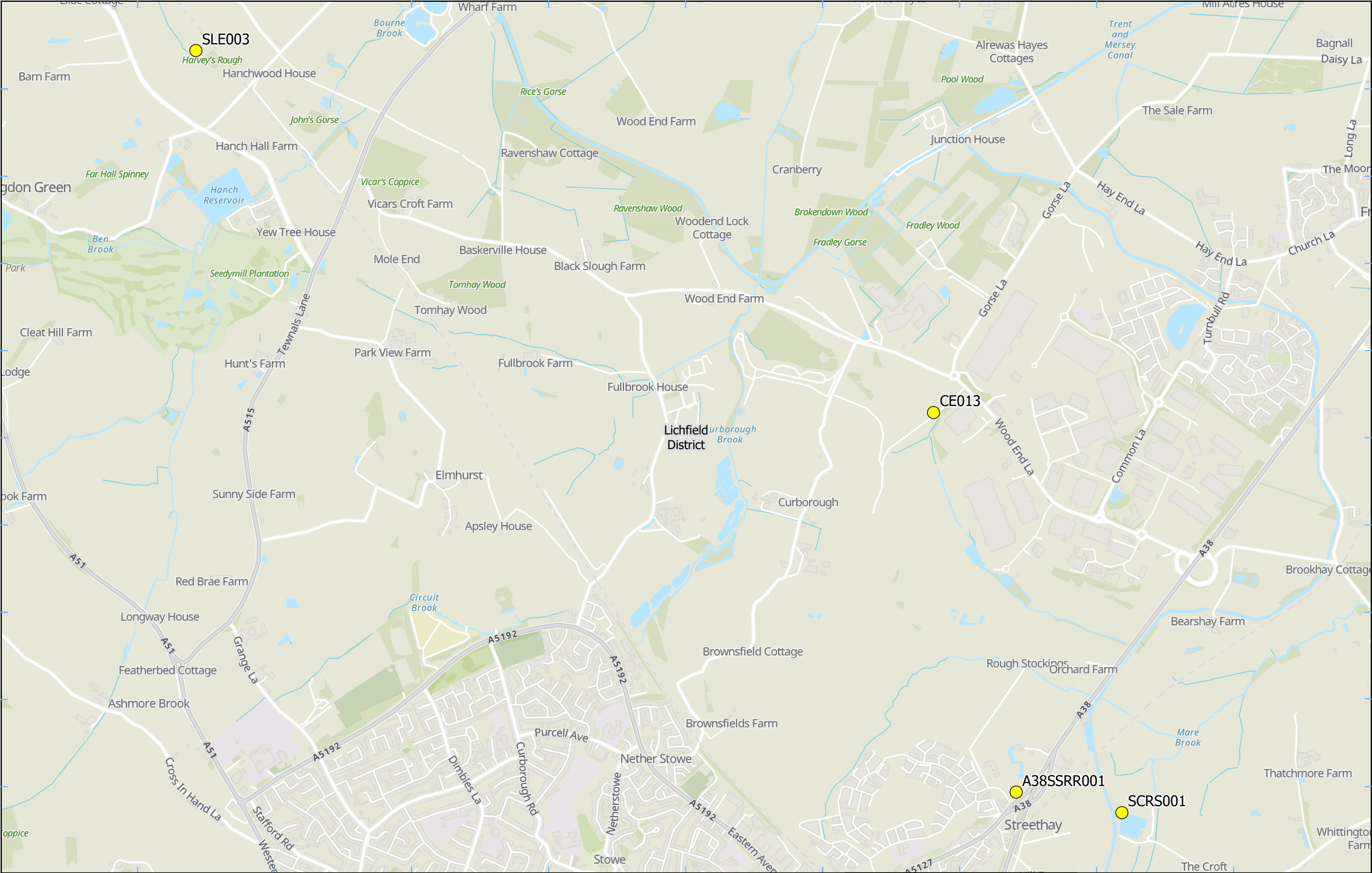
#### Streethay Area 1 works

- Excavation (with excavator to expose the piles, and removal of arisings with lorries) and pile cropping (with 5 tonne excavator with breaker, 40 tonne excavator, drilling tool, milling tool and link cropper).

- 1.1.5 Seven (7) dust monitors are installed around these worksites, where works are underway. These sites returned a low to 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 the dust monitors presented in Figure 3. 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<sub>10</sub> concentrations of 190 µg/m<sup>3</sup>, 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.
- 1.1.8 Details of the trigger alert investigations and remediations are presented in Appendix B, Table 2.
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- Monitor SCRS001 – A monitor swap out is scheduled for 9th June 2026.
  - Monitor WCC001 – A monitor swap out is scheduled for 9th June 2026.
  - Monitor WCC002 – A fault investigative site visit was done on 29th May 2026. After this site visit, the technical issues were resolved.
- 1.1.10 There were no (0) complaints received during the reporting period (May 2026).

# Appendix A – Worksites and Monitoring Locations

Figures 1-2: Worksites and Monitoring Locations within LDC



**Legend**

- Dust Monitor
- District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2023  
Contains data from OS Zoomstack

|                                                  |
|--------------------------------------------------|
| Map Number                                       |
| Map Name                                         |
| <b>Monitoring Locations<br/>In LDC (Sheet 1)</b> |
| <b>Lichfield District Council</b>                |

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2025.  
Ordnance Survey Licence Number 100049190.

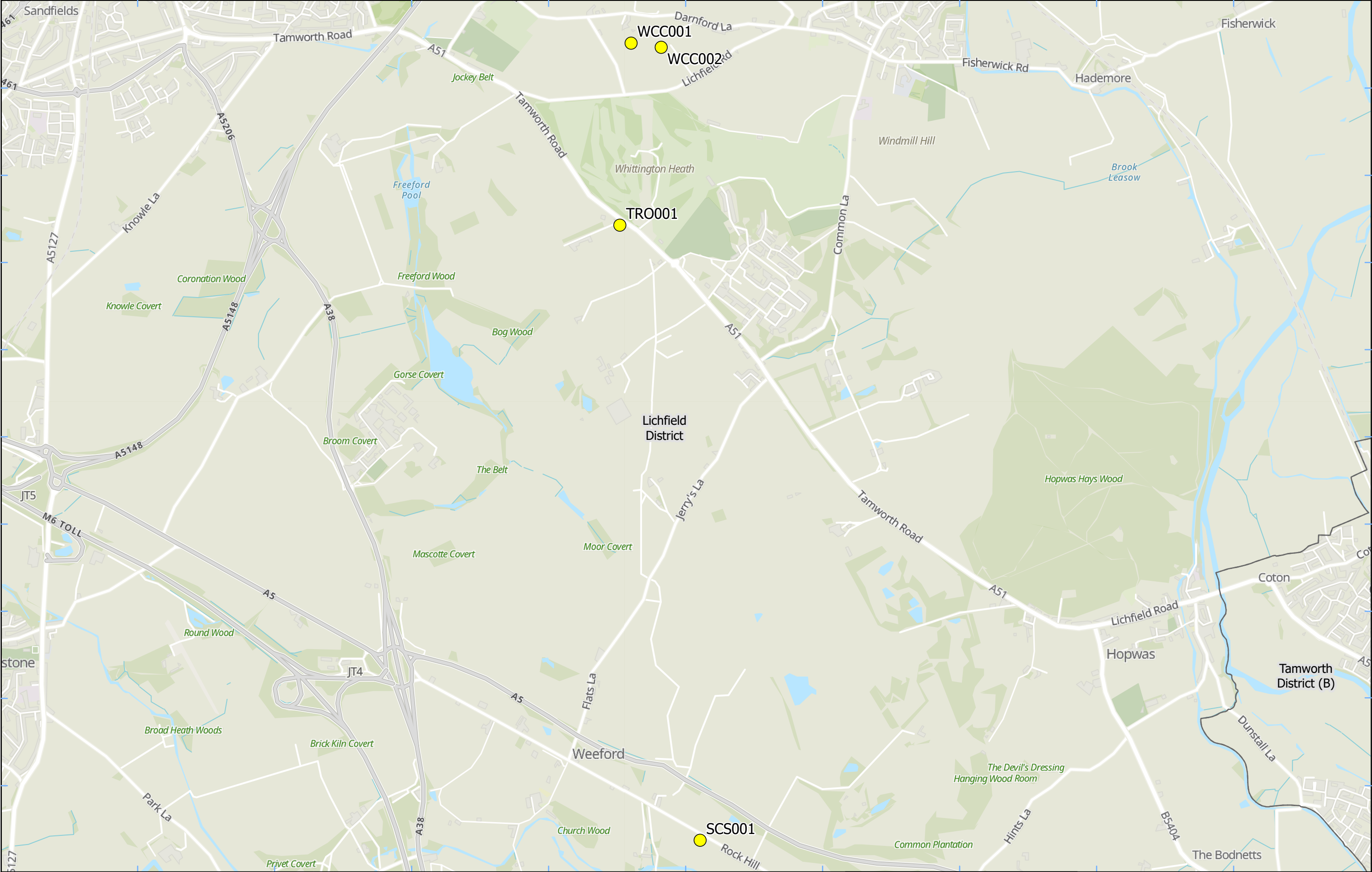
**Doc Number:**

Scale at A3: 1:18,000

Metres

**Date:** 19/12/24





**Legend**

Dust Monitor

District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025  
Contains data from OS Zoomstack

Map Number

Map Name

**Monitoring Locations  
In LDC (Sheet 2)**

**Lichfield District Council**

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2025.  
Ordnance Survey Licence Number 100049190.

**Doc Number:**

Scale at A3: 1:20,000

Metres

**Date: 10/06/25**

## Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

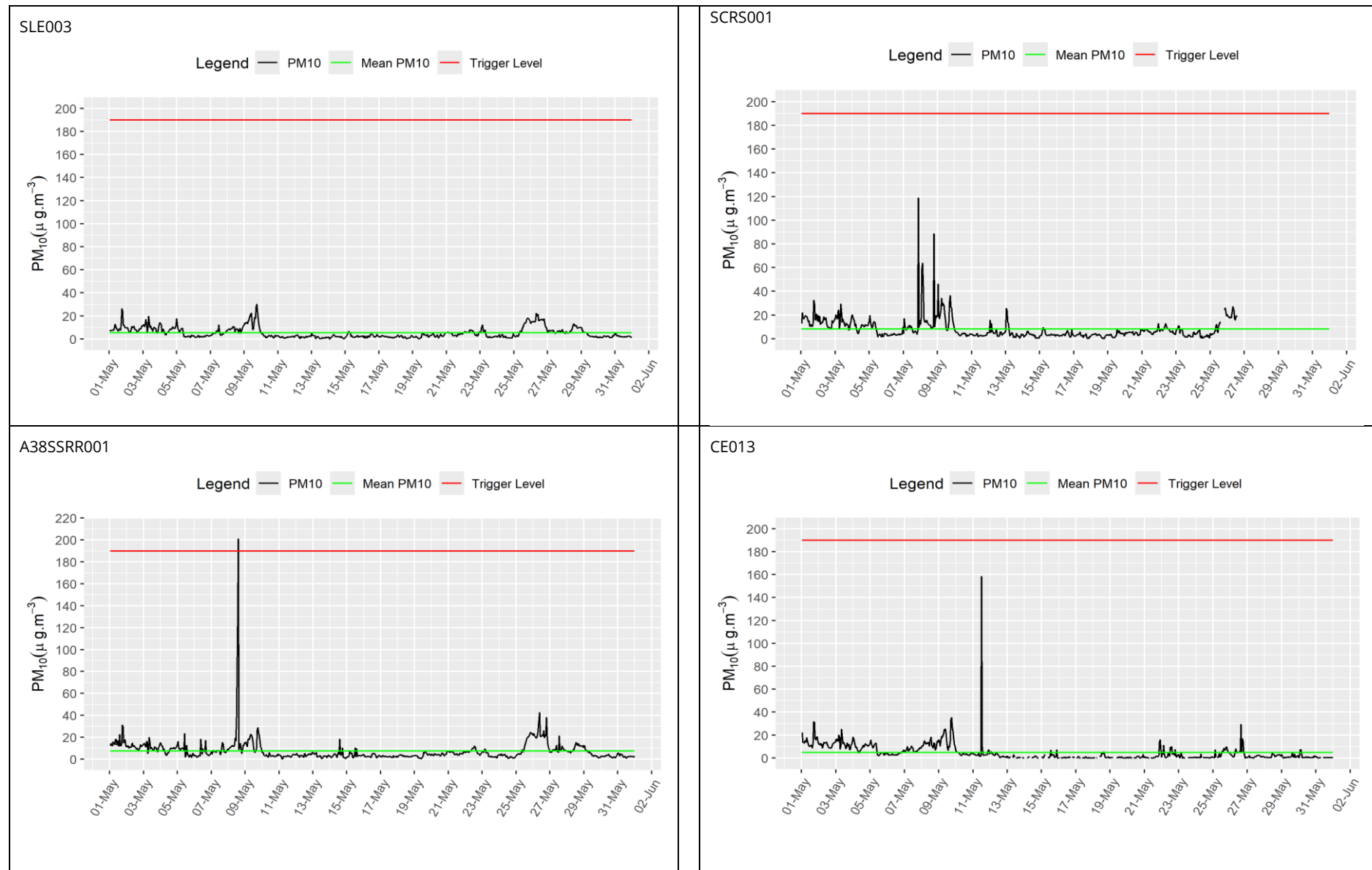
| Monitoring site ID | Coordinates (X,Y) | Location description                                         | Dust risk rating for site | Monitoring site active during period | Change to site since previous period report | Mean 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> ) | Minimum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> ) | Maximum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> ) | Number of 1- hour periods exceeding trigger level of 190 µg/m <sup>3</sup> | Data capture for Month (%) |
|--------------------|-------------------|--------------------------------------------------------------|---------------------------|--------------------------------------|---------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------|
| SLE003             | 410077, 314464    | New Farm Produce South, Shaw Lane Embankment                 | L                         | Yes                                  | No                                          | 5.3                                                             | 0.1                                                                | 30.3                                                               | 0                                                                          | 100.0                      |
| SCRS001            | 414895, 310500    | Streethay Cutting Retaining Structure, King's Orchard Marina | M                         | Yes                                  | No                                          | 8.3                                                             | 0.2                                                                | 118.8                                                              | 0                                                                          | 81.9                       |
| A38SSRR001         | 414345, 310607    | Thompson Way, Streethay, Fradley and Streethay               | M                         | Yes                                  | No                                          | 7.5                                                             | 0.3                                                                | 200.9                                                              | 1                                                                          | 100.0                      |
| CE013              | 413915, 312581    | Midlands Karting, Wood End Lane                              | L                         | Yes                                  | No                                          | 4.8                                                             | 0.1                                                                | 158.3                                                              | 0                                                                          | 95.2                       |
| WCC001             | 414682, 308298    | Whittington Hill Farm, Darnford Lane                         | M                         | Yes                                  | No                                          | 7.2                                                             | 0.1                                                                | 36.1                                                               | 0                                                                          | 57.4                       |
| WCC002             | 414856, 308274    | Ellfield House, Darnford House                               | M                         | Yes                                  | No                                          | 1.5                                                             | 0.1                                                                | 18.8                                                               | 0                                                                          | 93.7                       |
| SCS001             | 415081, 303691    | The Lodge, Rock Hill                                         | M                         | Yes                                  | No                                          | 6.3                                                             | 0.1                                                                | 34.6                                                               | 0                                                                          | 99.6                       |
| TRO001             | 414616, 307247    | South Lodge                                                  | L                         | Yes                                  | No                                          | 5.4                                                             | 0.1                                                                | 23.0                                                               | 0                                                                          | 100.0                      |



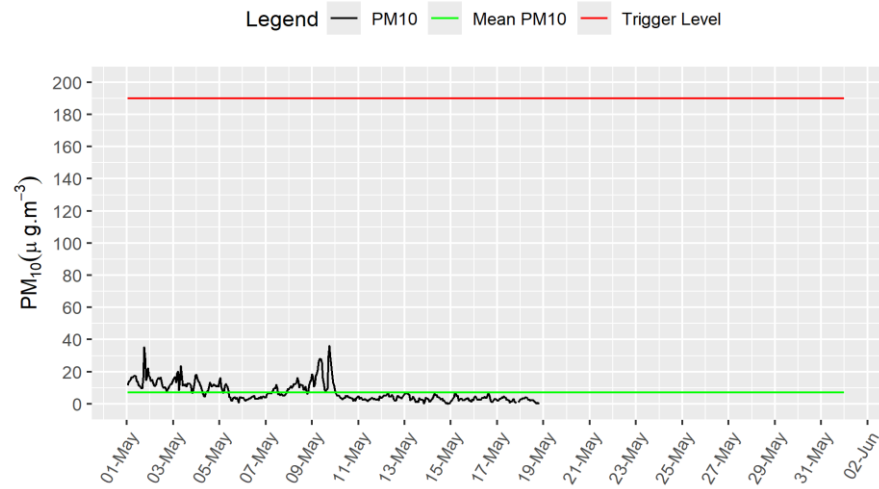
Table 2: Summary of exceedances during period (May 2026)

| Monitoring Site ID | Period of trigger alert & Concentration recorded     | Investigation                                                                        | Outcomes / Resolution / Remedial measures implemented |
|--------------------|------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------|
| A38SSRR001         | 08/05/2026<br>13:01 – 14:00; 200.9 µg/m <sup>3</sup> | No construction activities occurring near the monitor at the time of the exceedance. | N/A                                                   |

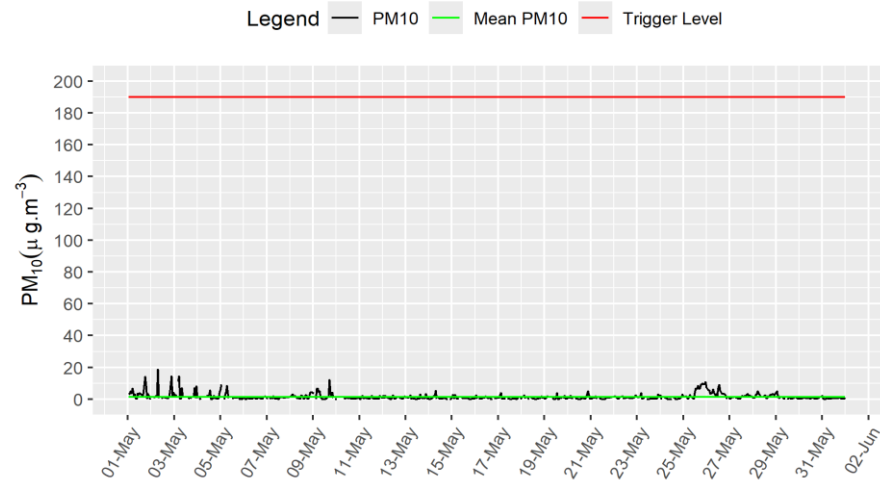
Figure 3: Construction dust 1-hour mean indicative PM<sub>10</sub> concentration for all dust monitors



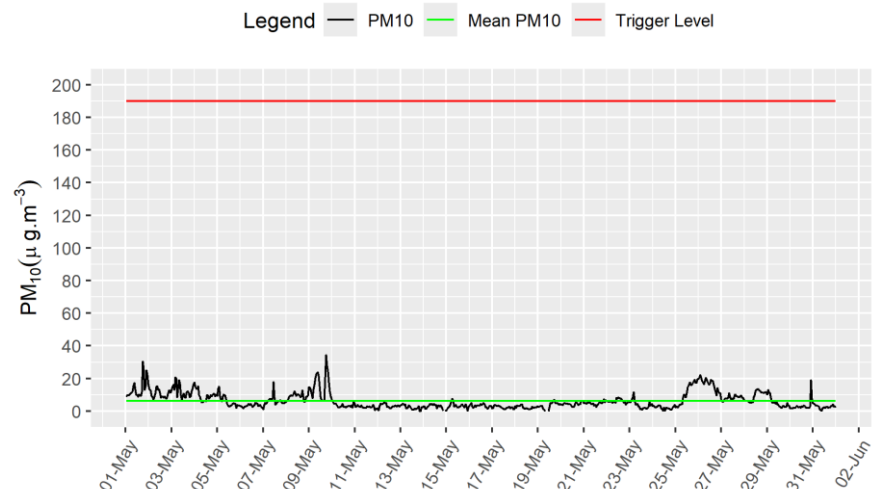
WCC001



WCC002



SCS001



TRO001

