

## Appendix 3: PM Data, 2024 and National Air Quality Objectives

| Low-cost sensors PM <sub>10</sub> µg/m <sup>3</sup> 2024  |       |
|---|-------|
| Worcestershire High                                       | 12.69 |
| Worcestershire Low  | 8.53  |
| Worcestershire Average                                    | 10.47 |
| Bromsgrove High (Hanover Street)                          | 12.69 |
| Bromsgrove Low (Hagley)                                   | 9.41  |
| Bromsgrove Average  | 10.86 |
| Defra Background Maps (BDC) Average                       | 12.31 |
| Low-cost sensors PM <sub>2.5</sub> µg/m <sup>3</sup> 2024 |       |
| Worcestershire High                                       | 7.96  |
| Worcestershire Low  | 5.42  |
| Worcestershire Average                                    | 6.90  |
| Bromsgrove High (Hanover Street)                          | 7.96  |
| Bromsgrove Low (Hagley)                                   | 6.23  |
| Bromsgrove Average  | 6.99  |
| Defra Background Maps (BDC) Average                       | 6.57  |

Also Worcester Road, Wychbold PM<sub>10</sub> analyser 15.2 µg/m<sup>3</sup> in 2024

### 6.1 Local Air Quality Management Framework

The [Air Quality \(England\) Regulations 2000 \(2002 as amended\)](#)

These pollutant limits apply locally under the Air Quality Management framework.

| Pollutant  | Objective  | Averaging Period |
|--|--|------------------|
| <b>Fine and coarse particulate matter - PM10</b> | 50 µg/m <sup>3</sup> not to be exceeded more than 35 times/ year | 24-hour mean     |
| <b>Fine and coarse particulate matter - PM10</b> | 40 µg/m <sup>3</sup>   | Annual mean      |

WHO Air Quality Guidelines PM<sub>10</sub> Annual Mean is 15 µg/m<sup>3</sup>

### 6.2 Environment Act PM2.5

[The Environmental Targets \(Fine Particulate Matter\) \(England\) Regulations 2023](#)

| Pollutant and metric                   | Target   | Target year |
|--|--|-------------|
| <b>PM2.5 annual mean concentration</b> | Interim target: 12 µg/m <sup>3</sup>                               | 2028        |
| <b>PM2.5 annual mean concentration</b> | Legally binding target: 10 µg/m <sup>3</sup>                       | 2040        |
| <b>PM2.5 population exposure</b>       | Interim target: 22% reduction in exposure compared to 2018         | 2028        |
| <b>PM2.5 population exposure</b>       | Legally binding target: 35% reduction in exposure compared to 2018 | 2040        |

WHO Air Quality guidelines PM<sub>2.5</sub> Annual Mean is 5 µg/m<sup>3</sup>