

Springfield Road Lane Summary 2023

NO₂ Data Summary for the monitoring period 1st January – 31st December 2023

OBJECTIVES:

- When expressed as an hourly mean the NO₂ objective is 200 micrograms per cubic metre or less. This is not to be exceeded more than eighteen times a year
- 40 micrograms per cubic metre or less, when expressed as an annual mean

2023	NO₂ Monthly Mean (µg/m³)	Number of Exceedance of 1 hour mean (200µg/m³)	Data Capture %
January	29.81	0	99.5
February	31.17	0	99.9
March	24.45	0	100
April	23.45	0	99.9
May	20.15	0	100
June	23.04	0	99.7
July			
August			
September			
October			
November			
December			
Average to date:	Average to date: 25.345	Total: 0	99.83%

Table 1: Summary of NO₂ (1-hour mean) data statistics for 2023

PM₁₀ Data Summary for the monitoring period 1st January – 31st December 2023

OBJECTIVES:

- When expressed as a twenty four hour mean the PM₁₀ objective is 50 micrograms per cubic metre or less. This is not to be exceeded more than thirty five times a year.
- 40 micrograms per cubic metre or less, when expressed as an annual mean.

2023	PM₁₀ Monthly Mean (µg/m³)	Number of Exceedance of 24 hour mean (50µg/m³)	Data Capture %
January	20.5	0	100
February	24.2	1	100
March	16.4	0	100
April	18.6	0	100
May	19.7	0	100
June	22.2	0	100
July			
August			
September			
October			
November			
December			
	Average to date: 20.26 %	Total: 1	100%

Table 3: Summary of PM₁₀ (24-hour mean) data statistics for 2023

PM_{2.5} Data Summary for the monitoring period 1st January – 31st December 2023

OBJECTIVES:

- Work towards reducing emissions / concentrations of PM_{2.5}

2023	PM_{2.5} Monthly Mean (µg/m³)	Data Capture %
January	11.9	100
February	14.7	100
March	8.8	100
April	11.4	93.3
May	9.1	100
June	7.9	100
July		
August		
September		
October		
November		
December		
	Average to date: 10.63	98.88%

Table 2: Summary of PM_{2.5} (24-hour mean) data statistics for 2023