Springfield Road Summary 2024

NO_2 Data Summary for the monitoring period 1st January – 31st December 2024

OBJECTIVES:

- When expressed as an hourly mean the NO_2 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

2024	NO_2 Monthly Mean ($\mu g/m^3$)	Number of Exceedance of 1 hour mean (200$\mu g/m^3$)	Data Capture %
January	54.52	0	99.9
February	35.9	0	99.3
March	32.59	0	99.5
April	52.59	0	99.7
May	27.73	0	99.9
June	23.33	3	99.9
July	27.73	0	99.9
August	26.78	0	100
September	32.9	0	96.1
October	49.15	0	99.6
November	48.2	0	99.6
December	29.26	0	98.5
Average to date:	**Average to date: 36.72**	**Total: 3**	**99.41%**

Table 1: Summary of NO_2 (1-hour mean) data statistics for 2024

$PM_{2.5}$ Data Summary for the monitoring period 1st January – 31st December 2024

OBJECTIVES:

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

2024	$PM_{2.5}$ Monthly Mean ($\mu g/m^3$)	Data Capture %
January	10.6	93.7
February	8.9	92.7
March	13.6	97.6
April	6.5	99.4
May	10.7	99.7
June	8.2	90.7
July	7.3	99.6
August	8.5	99.5
September	8.7	75.8
October	6.9	80.8
November	13.2	36.3
December	6.6	36.7
	Average to date: 9.14	**Average to date: 83.54**

Table 2: Summary of $PM_{2.5}$ (24-hour mean) data statistics for 2024

PM_{10} Data Summary for the monitoring period 1st January – 31st December 2024

OBJECTIVES:

- When expressed as a twenty four hour mean the PM_{10} 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.

2024	PM_{10} Monthly Mean ($\mu g/m^3$)	Number of Exceedance of 24 hour mean ($50\mu g/m^3$)	Data Capture %
January	18.1	0	99.5
February	16.2	0	98.9
March	18.2	0	99.5
April	13.9	0	93.9
May	20.3	1	99.7
June	14.8	0	95.7
July	14.4	0	99.5
August	16.4	0	99.5
September	19.8	2	99.4
October	23.3	0	96.5
November	22.5	0	98.8
December	15.4	0	97.4
	Average to date: 17.78	**Total: 3**	**98.19 %**

Table 3: Summary of PM_{10} (24-hour mean) data statistics for 2024