

## Chignal St James Summary 2024

NO<sub>2</sub> Data Summary for the monitoring period 1<sup>st</sup> January – 31<sup>st</sup> December 2024

### OBJECTIVES:

- When expressed as an hourly mean the NO<sub>2</sub> 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

<b>2024</b>	<b>NO<sub>2</sub> Monthly Mean (µg/m<sup>3</sup>)</b>	<b>Number of Exceedance of 1 hour mean (200µg/m<sup>3</sup>)</b>	<b>Data Capture %</b>
January	8.70	0	99.7
February	7.05	0	99.7
March	12.7	0	99.6
April	6.9	0	97.6
May	7.9	0	100
June	5.2	0	100
July	4.8	0	91.5
August	7	0	85.2
September	15.12	0	70.4
October	15.9	0	75.1
November	15.2	0	99.2
December	10	0	99.2
<b>Average to date:</b>	<b>Average to date: 9.7</b>	<b>Total: 0</b>	<b>93.1%</b>

Table 1: Summary of NO<sub>2</sub> (1-hour mean) data statistics for 2024

PM<sub>2.5</sub> Data Summary for the monitoring period 1<sup>st</sup> January – 31<sup>st</sup> December 2024

OBJECTIVES:

Work towards reducing emissions / concentrations of PM

<b>2024</b>	<b>PM<sub>2.5</sub> Monthly Mean (µg/m<sup>3</sup>)</b>	<b>Data Capture %</b>
January	10.7	96.2
February	8.0	99.6
March	12.7	95.8
April	8.6	96.1
May	11	85.9
June	7.5	99.4
July	7.3	93.3
August	9.4	99.5
September	10.8	89.4
October	8.5	98.8
November	11.8	93.6
December	8.2	93.8
	<b>Average to date: 9.54</b>	<b>95.12%</b>

Table 2: Summary of PM<sub>2.5</sub> (24-hour mean) data statistics for 2024

## O<sub>3</sub> Data Summary for the monitoring period 1<sup>st</sup> January – 31<sup>st</sup> December 2022

### TARGET VALUE:

- When expressed as maximum daily 8-hourly mean the O<sub>3</sub> objective is 120 micrograms per cubic metre or less. This is not to be exceeded on more than 25 days per calendar year averaged over 3 years.

2024	O <sub>3</sub> Monthly Mean (µg/m <sup>3</sup> )	Number of Exceedance of 8 hour mean (120µg/m <sup>3</sup> )	Data Capture %
January	51.22	0	99.7
February	54.29	0	99.9
March	55.71	0	100
April	67.4	0	100
May	55.7	0	100
June	57.8	0	100
July	50.9	0	99.9
August	56.2	0	99.9
September	52.58	0	98.8
October	40.5	0	90.3
November	36.3	0	99.3
December	44.1	0	99.1
<b>Average to date:</b>	<b>Average to date: 51.89</b>	<b>Total: 0</b>	<b>98.9%</b>

Table 3: Summary of O<sub>3</sub> (8-hour mean) data statistics for 2024