

## Appendix 2 – 2020 Air Quality Data for ELAC

### Nitrogen Dioxide (Continuous analysers)

Site	Pollutant	Air Quality Objective	Measured As	Value/Exceedances*	Objective Achieved*
Southampton Road	NO <sub>2</sub>	40 µg/m <sup>-3</sup>	Annual Mean	25 µg/m <sup>-3</sup>	Yes
		200 µg/m <sup>-3</sup> (not to be exceeded more than 18 times per year)	Hourly Mean	0 Exceedances	Yes
The Point	NO <sub>2</sub>	40 µg/m <sup>-3</sup>	Annual Mean	20 µg/m <sup>-3</sup>	Yes
		200 µg/m <sup>-3</sup> (not to be exceeded more than 18 times per year)	Hourly Mean	0 Exceedances	Yes
Steele Close	NO <sub>2</sub>	40 µg/m <sup>-3</sup>	Annual Mean	20 µg/m <sup>-3</sup>	Yes
		200 µg/m <sup>-3</sup> (not to be exceeded more than 18 times per year)	Hourly Mean	0 Exceedances	Yes

### Nitrogen Dioxide (Diffusion tubes for selected locations)

Site	Pollutant	Air Quality Objective	Measured As	Value**	Objective Achieved**
Southampton Road 1	NO <sub>2</sub>	40 µg/m <sup>-3</sup>	Annual Mean	31 µg/m <sup>-3</sup>	Yes
Leigh Road / Pluto Road				23 µg/m <sup>-3</sup>	Yes
Leigh Road / Junction 13				31 µg/m <sup>-3</sup>	Yes
Belmont Road				17 µg/m <sup>-3</sup>	Yes
Hadleigh Gardens				14 µg/m <sup>-3</sup>	Yes

### PM<sub>10</sub> (Continuous analyser)

Site	Pollutant	Air Quality Objective	Measured As	Value/Exceedances*	Objective Achieved*
Southampton Road	PM <sub>10</sub>	40 µg/m <sup>-3</sup>	Annual Mean	22 µg/m <sup>-3</sup>	Yes
		50 µg/m <sup>-3</sup> (not to be exceeded more than 35 times per year)	24 Hour Mean	0 Exceedances	Yes

\* Please note that values have been calculated for January – December 2020 only and are yet to be ratified, so should be used as an indication only.

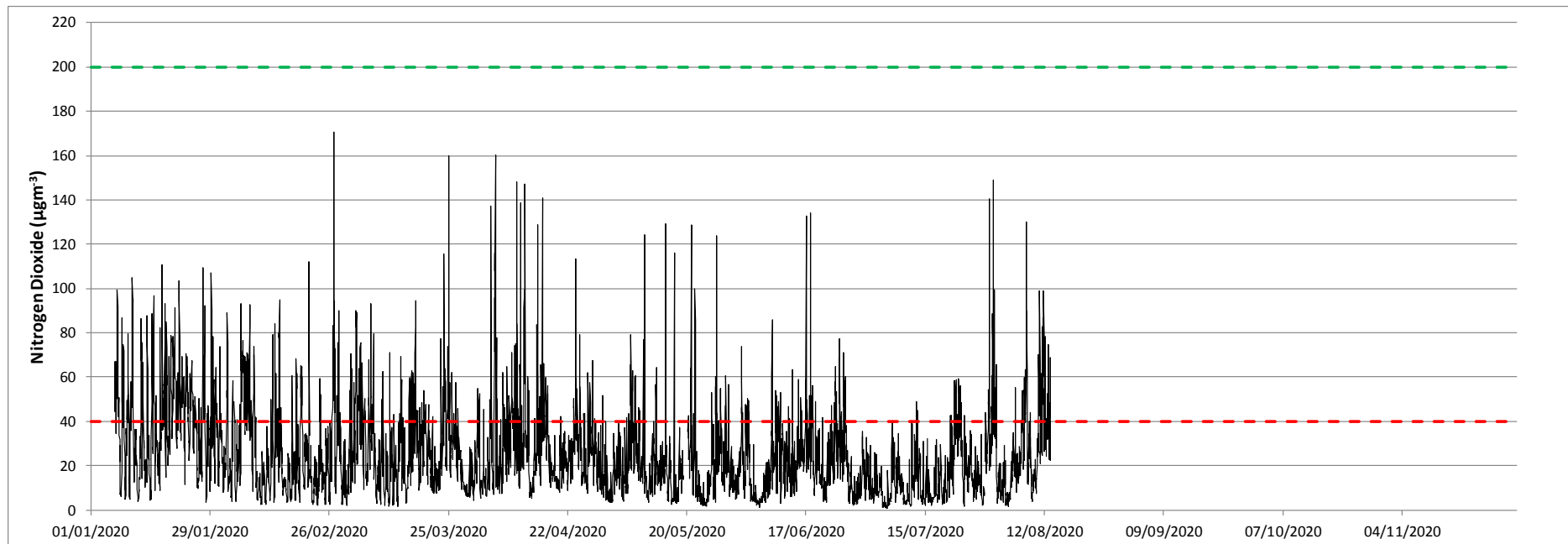
\*\* Please note that values have been calculated for January – December 2020 only and have had an estimated bias adjustment applied, so should be used as an indication only.

## Nitrogen Dioxide (Continuous Analysers)

Displayed as hourly averages

Red dashed line = Annual average objective level

Green dashed line = Hourly average objective level



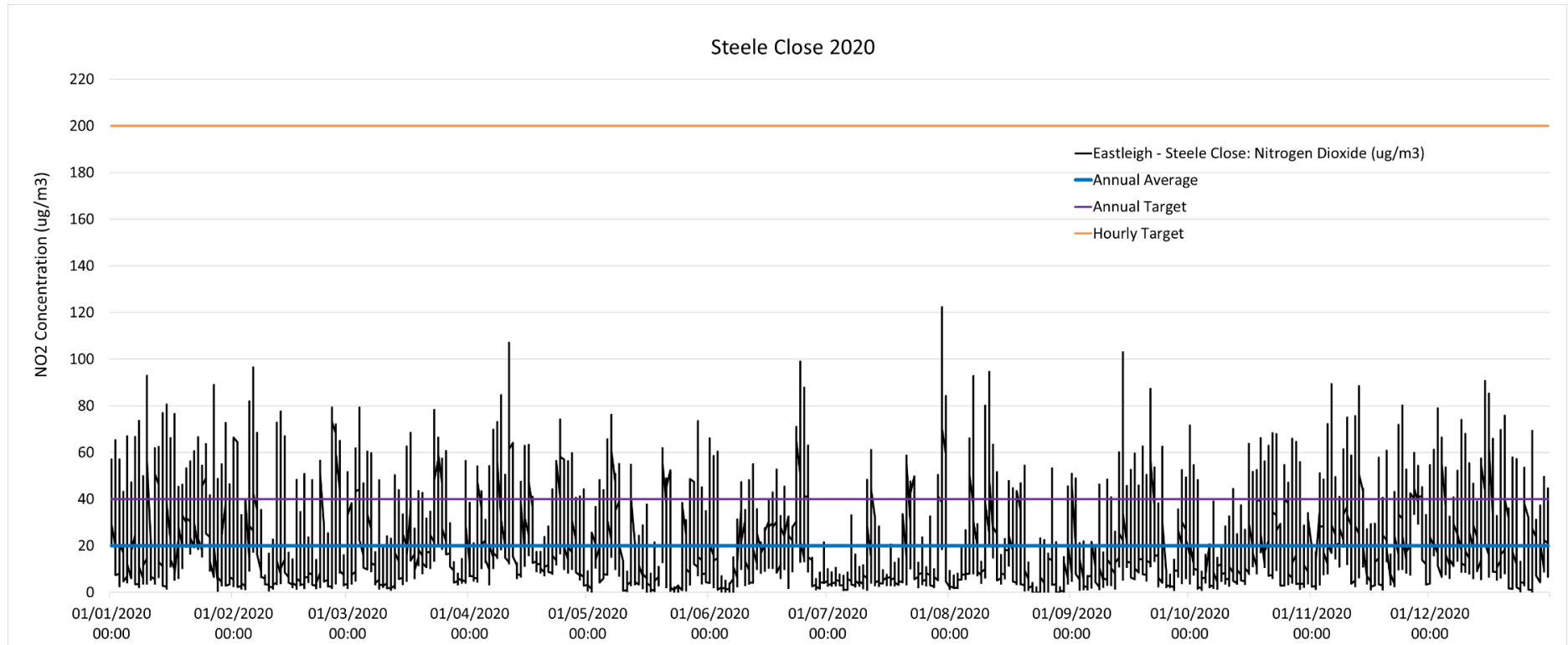
## Southampton Road

Data gaps of over 24 hours

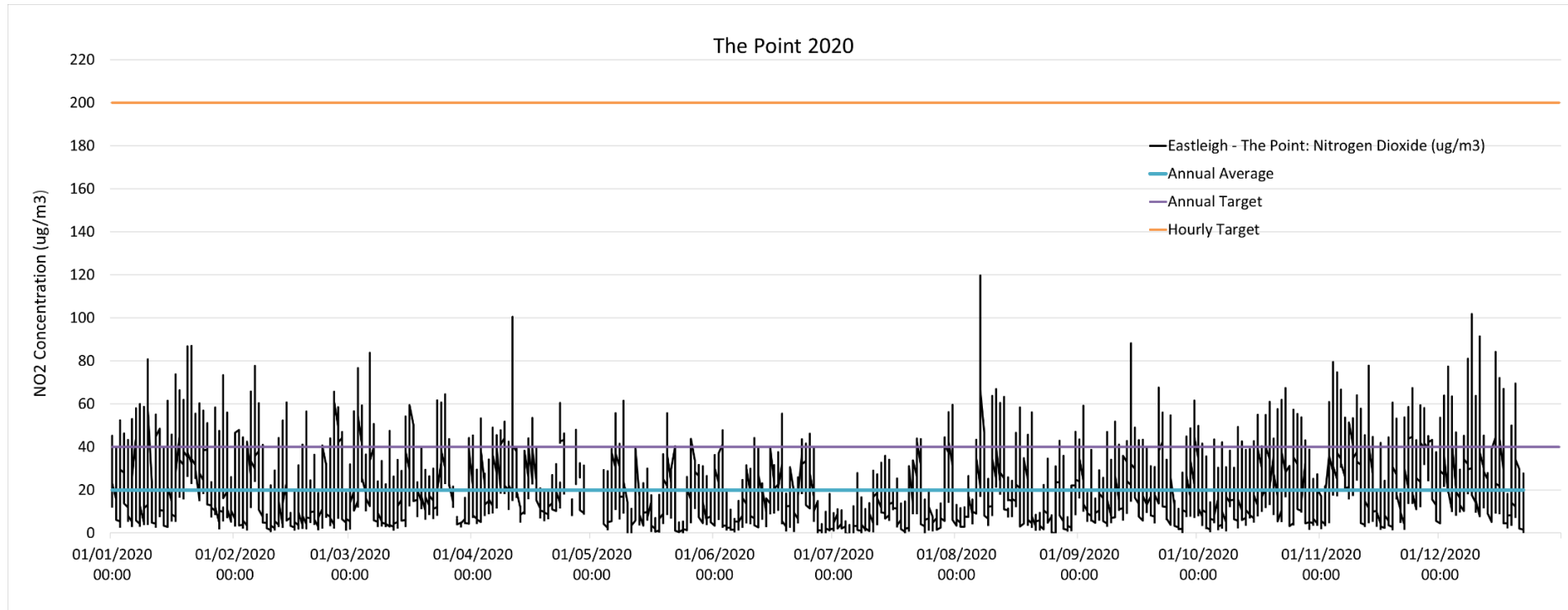
1 – 6 January: Due to an incremental drift in measurements identified in ratification, which was fixed at the January 2020 service.

13 August – December: Due to a leak in the cabinet resulting in substantial water ingress, the analysers were removed while a cabinet replacement was organised.

# Steele Close

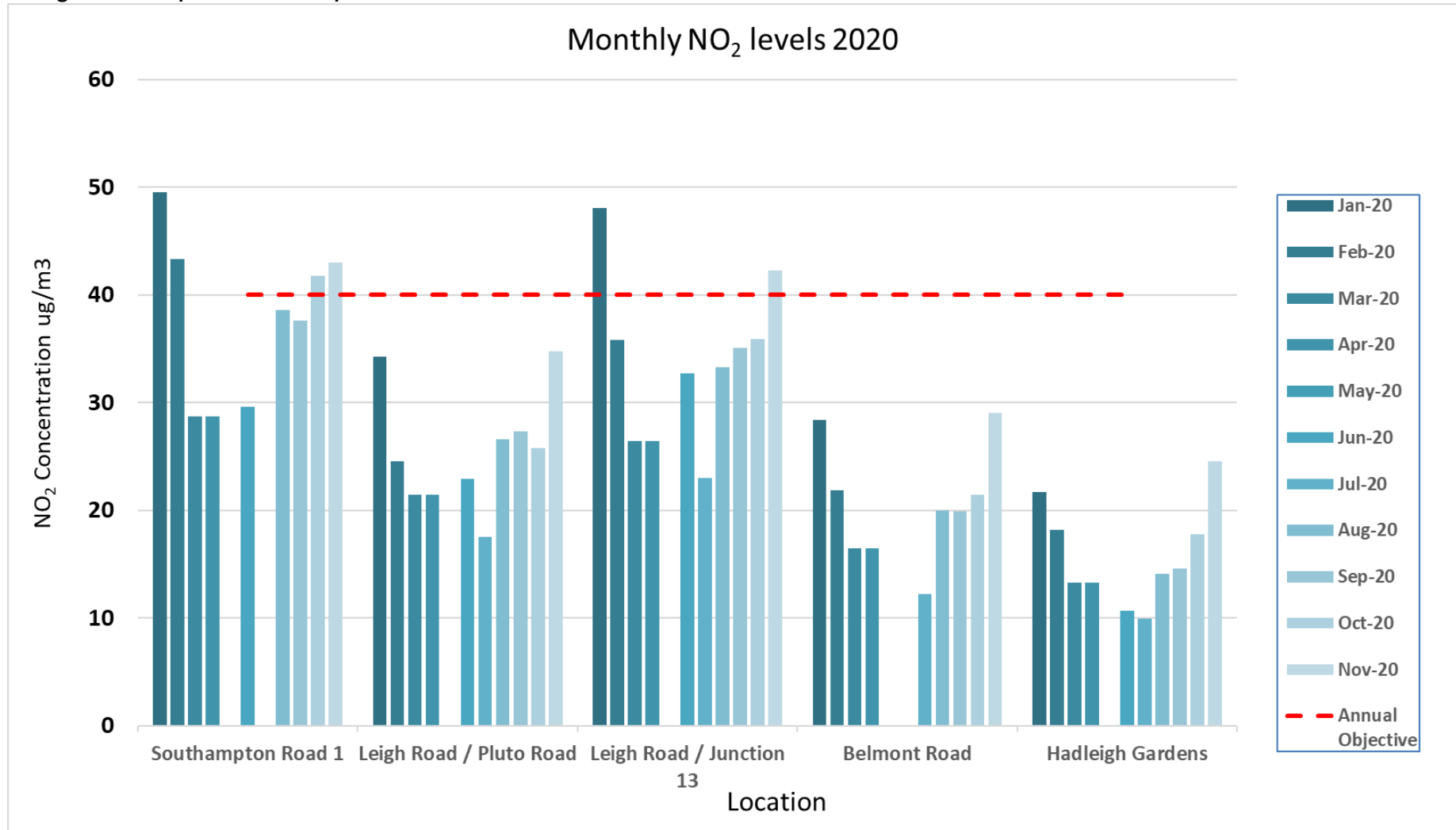


# The Point



27 – 28 March and 24 April – 4 May: Communication problems, solved when the new analyser was installed on 4 May.

Nitrogen Dioxide (Diffusion Tubes)



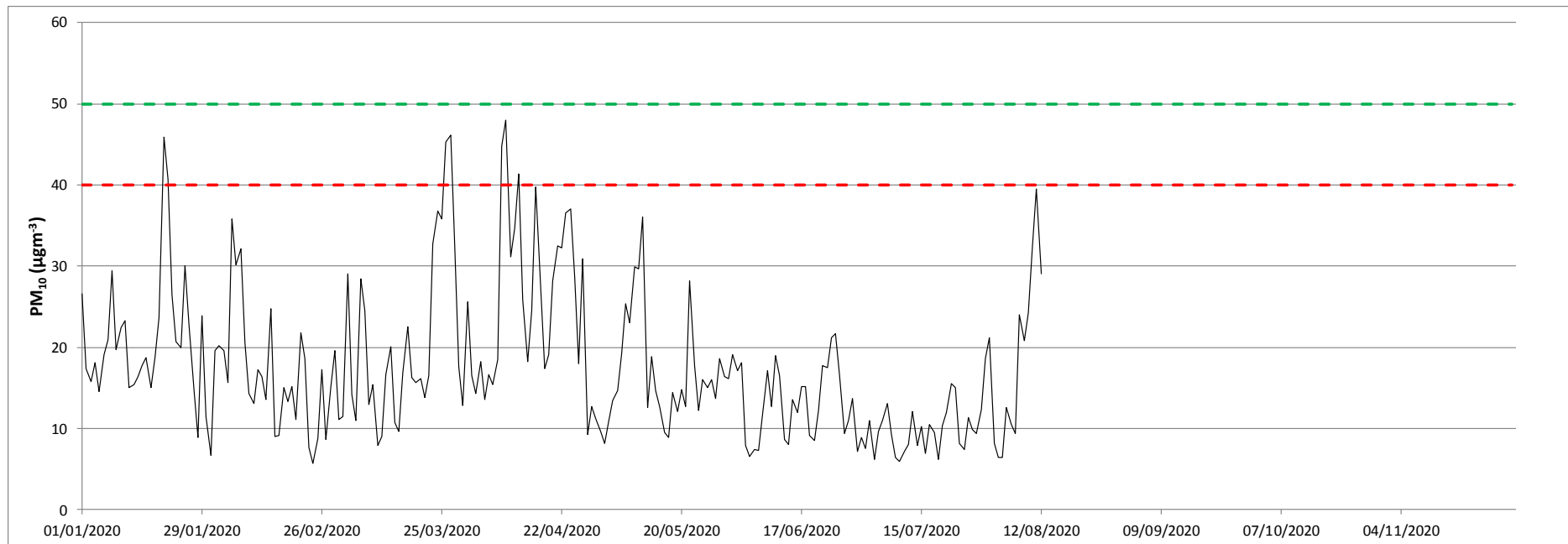
Selected diffusion tube sites across ELAC

## PM<sub>10</sub> (Continuous Analyser)

Displayed as 24 hour averages

Red dashed line = Annual average objective level

Green dashed line = 24 hour average objective level



## Southampton Road

Data gaps of over 24 hours:

13 August – December: Due to a leak in the cabinet resulting in substantial water ingress, the analysers were removed while a cabinet replacement was organised.

**Comparison of 2017 – 2019 average with 2020 Monthly Values at 3 locations**

