

Royal Borough of Greenwich **Air Quality Annual Status Summary Report for 2017**



Introduction

This report provides a brief overview of air quality in the Royal Borough of Greenwich during 2017.

The EU sets limits for a number of known air pollutants, that member states must meet. The Royal Borough of Greenwich is exceeding EU limits for the gas Nitrogen Dioxide (NO_2) in parts of the borough. The main areas of concern are along major roads, principally the A2, the A20 and the Blackwall Tunnel Southern Approach. These roads are under the control of Transport for London. The Royal Borough of Greenwich is required by the Government and the Mayor of London to monitor air pollution in the borough, and take action to reduce it. The Government and the Mayor of London also have a range of responsibilities for taking action to reduce pollution.

We are currently meeting the limits that are set by the EU for all other air pollutants, although we remain focused on Particulate Matter (PM_{10} and $\text{PM}_{2.5}$) because these pollutants have detrimental impacts on health at any level.

The main source of pollution in the borough is road traffic along major roads.

NO_2

We monitor NO_2 across the borough through a combination of highly accurate continuous (or automatic) monitoring stations and indicative low-cost diffusion tubes. In 2017, overall, levels of NO_2 decreased slightly.

PM_{10}

We monitor PM_{10} at 8 continuous (or automatic) monitoring stations. In 2017, overall, levels of PM_{10} decreased slightly.

$\text{PM}_{2.5}$

We monitor $\text{PM}_{2.5}$ at 6 continuous (or automatic) monitoring stations. In 2017, overall, levels of $\text{PM}_{2.5}$ decreased slightly.

Changes to Pollution Monitoring in 2017

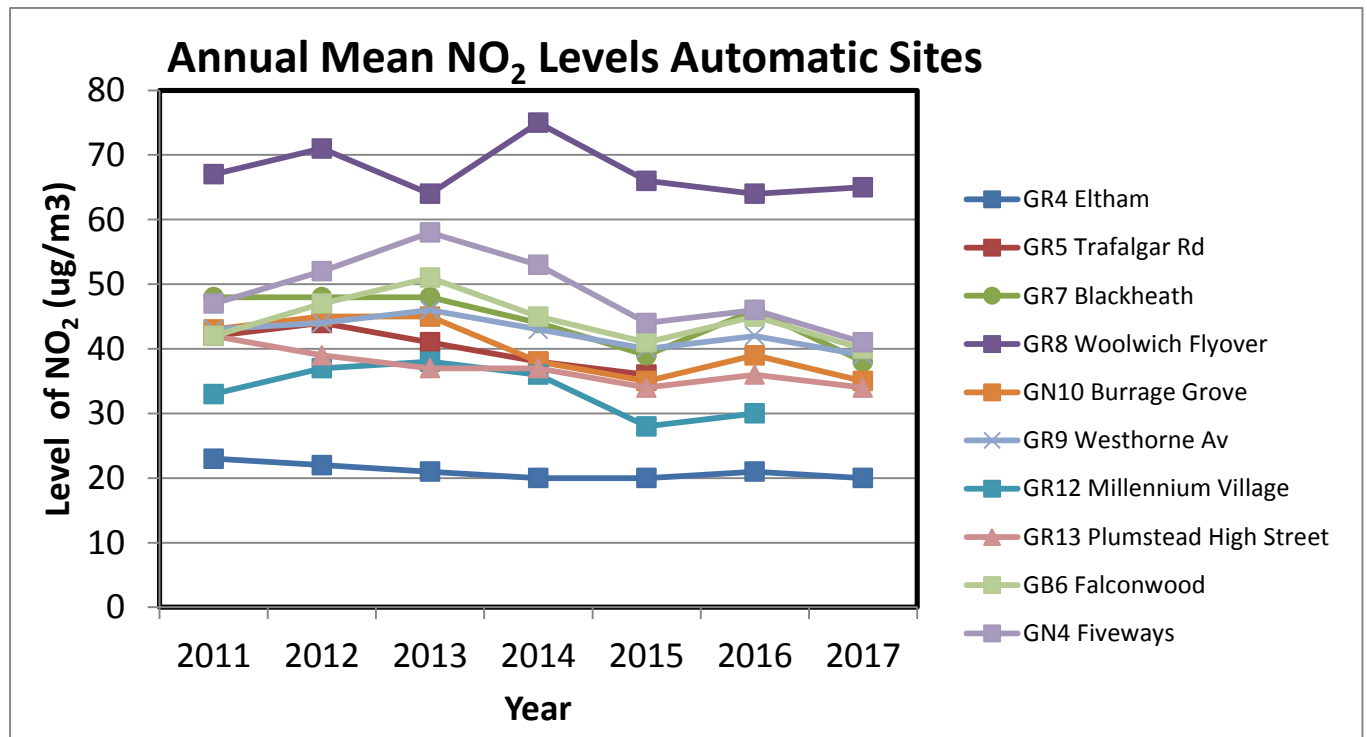
At the end of 2015, station GR5 on Trafalgar Road was closed. A new site on Trafalgar Road at the junction with Hoskins St was identified and the station relocated in October 2017.

Monitoring station GN2 (Millennium Village) was relocated to a new site on John Harrison Way, in January 2018. It is anticipated the station will be fully operational in May 2018.

The sites where new and relocated air quality monitoring stations have all been independently assessed by the Environmental Research Group of Kings College London, who manage the London Air Quality Network.

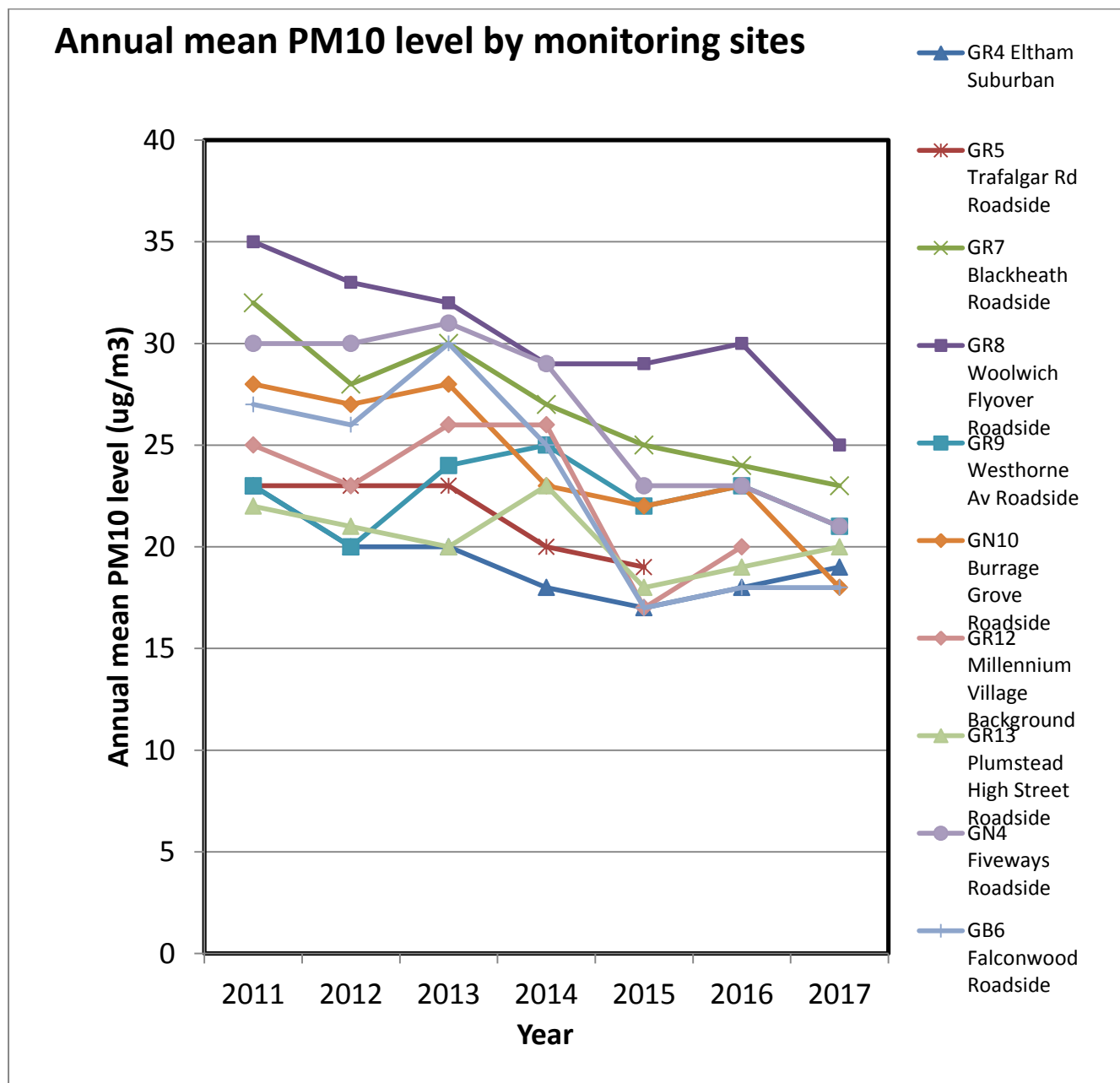
NO₂ Monitoring

Graph 1: Depicting results from the continuous NO₂ monitoring sites in the Royal Borough of Greenwich, and trends in annual mean results, from 2011 to 2017.



PM₁₀ Monitoring

Graph 2: Depicting results from the continuous PM₁₀ monitoring sites in the Royal Borough of Greenwich, and trends in annual mean results, from 2011 to 2017.



Actions to Improve Air Quality

In the Royal Borough of Greenwich, the main air quality achievements in 2017 were:

- The launch and delivery of projects in accordance with the European Commission Horizon2020 Smart Cities & Communities programme, and Low Emission Neighbourhood scheme. During 2017, completed projects included the GATEway project, testing driverless pods on the Greenwich Peninsula; the launch of the first council supported cargo bike zero emission delivery scheme in London, the launch of a Personalised Travel Planning scheme in the Low Emission neighbourhood (LEN), and a successful bid to become a UK Test Bed for Connected and Autonomous vehicles.
- The Royal Borough proactively engaged with residents, hosting four 'Better Together' meetings focusing air quality and transportation, towards achieving a 'Greener Greenwich.' National Car Free Day, the first National Clean Air Day and the first Schools Car Free Day were supported by Royal Greenwich, promoting events across the borough.
- **In the LEN:** Greenwich Play Streets; first rapid charger under the TfL rapid charging framework; and E-bike hire.
- **Elsewhere:** the £1.5 million Thames Path Missing Link elevated walkway, as part of the Thames Path Quietway work; The Trafalgar Road (East) Improvement scheme; Woodlands Crescent Road Closure to stop "Rat running"; Archery Road & North Park areas identified as a priority for 20mph zones;

The Royal Borough of Greenwich's two main priorities to reduce exposure to poor air quality for the year ahead are:

Continue to work towards integrated transport and air quality initiatives, including smart city innovation, improving the public realm for walking and cycling, and introducing traffic reduction measures.

Deliver year 2 actions identified in the Air Quality Action Plan.

Further information

For more detailed information on air pollution in the borough see http://www.royalgreenwich.gov.uk/downloads/download/183/air_quality_reports

Contact details

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