

Southgate Green WARD FORUM 7th October 2014

Air Quality Update

Primary concerns in the borough

Nitrogen dioxide and **PM10** are the 2 pollutants which exceed the objectives set out in the Air Quality Objectives 2000 & (Amendment) Regulations 2002. The objectives are set at a level by medical experts at a point below which they believe even the most sensitive individual should not feel any adverse health effects.

Monitoring

We have been monitoring these pollutants since 1996 and currently have 4 real-time monitoring sites; of these 1 is at Bowes Primary 6 meters from the A406 and 1 is at Derby Road N18 approximately 30 metres from the A406.

Nitrogen dioxide levels

Looking back as far as 2008 the levels of nitrogen dioxide along the A406 at both stations have remained level and have neither worsened, nor improved. The level at both sites has remained around the 45 ug/m³ mark; this is just above the annual mean objective for nitrogen dioxide of 40 ug/m³.

PM 10 Levels

PM10 is a different situation where we have now not exceeded the objective levels since 2008. We have been monitoring at Bowes Primary since 2003 for PM10 as this should be the worst site in the borough with relevant public exposure. As mentioned above the monitoring site is 6 metres from the carriageway where all the traffic blocks-up. We have never exceeded the objective levels for this pollutant at Bowes Primary. At Derby Road we had the last exceedance in 2008; this site is more prone to PM10 as it is close to the Kenninghall scrap yards. Since 2008 PM10 levels have also remained relatively stable along the A406 but consistently below the Air Quality Objective levels. We will very soon have to undertake a detailed air quality assessment to decide whether to de-declare the PM10 air quality management area.