
REPORT TO:	ENVIRONMENT & DEVELOPMENT SERVICES COMMITTEE	AGENDA ITEM: 14
DATE OF MEETING:	13/7/06	CATEGORY: RECOMMENDED
REPORT FROM:	DIRECTOR OF COMMUNITY SERVICES	OPEN
MEMBERS' CONTACT POINT:	PETER MCEVOY (5830) JACK TWOMEY (5856)	DOC:
SUBJECT: WARD(S) AFFECTED:	AIR QUALITY ALL	REF: TERMS OF REFERENCE: EDS14. The exercise of the Council's functions in respect of pollution control.

1 Recommendations

- 1.1 Following the ratification of the air quality report submitted to DEFRA, no further action is recommended in respect of this matter, as all of the national air quality objectives have been, or are expected to be, met by the prescribed dates.

2 Purpose of Report

- 2.1 To advise members of the outcome of the latest Updated Screening Assessment (USA) completed in April 2006.

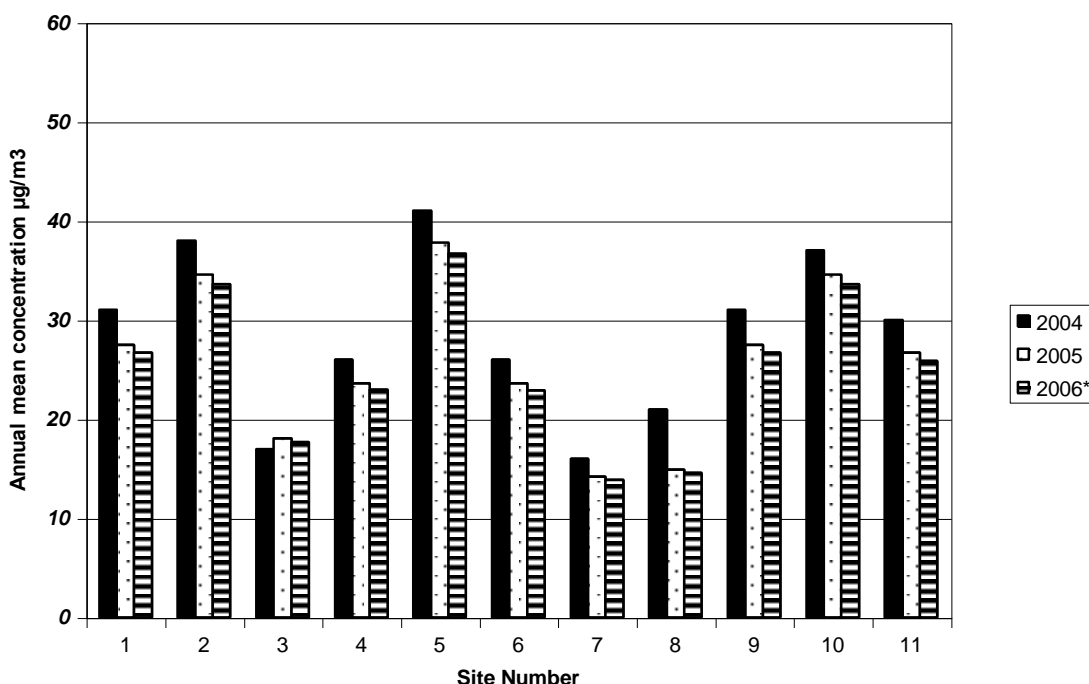
3 Detail.

- 3.1 Under the Environment Act 1995, Part IV, local authorities have a duty to review and assess the current and future air quality in their areas. These predictions are then to be assessed against standards and objectives prescribed in the Air Quality Strategy, published in January 2000 and in The Air Quality (England) Amendment Regulations 2002.
- 3.2 The 2006 USA report is produced to identify only those matters that have changed since the second round of Review and Assessment was completed in April 2003.

4 Air Quality monitoring in South Derbyshire.

- 4.1 Of the 7 pollutants that require consideration, the 2006 USA Report found that none required further assessment and all of the objectives have been or are expected to be met by the prescribed dates. The only source of pollution within South Derbyshire which threatens to reach or exceed national air quality objectives is Nitrogen Dioxide (NO₂), and therefore this is the only pollutant currently monitored routinely by the Authority.
- 4.2 In the atmosphere nitrogen oxides (NO_x) are converted to Nitrogen Dioxide (NO₂), which is associated with adverse effects on human health. NO_x are produced by all combustion processes, the main sources being transportation and the electricity generation industry. Now that Drakelow and Willington Power Stations are closed, the main source of this pollutant within South Derbyshire is emissions from road transport.

Nitrogen Dioxide Levels



- 4.3 *Graph shows actual NO₂ levels in South Derbyshire for 2004 & 2005, and predicted levels for 2006. The Government Air Quality Objective for nitrogen dioxide is an annual mean concentration of 40 µg/m³. If this is exceeded regularly, the situation is unlikely to improve and there is significant public exposure, an Air Quality Management Area must be declared.
- 4.4 This council monitors NO₂ in the district with diffusion tubes. Tubes are located at eleven sites around the district. These have been chosen to provide a range of data from across the District, including concentrations close to the major roads, as well as intermediate and background locations. Since the last round of review and assessment, a further 3 sites have been added, and other monitoring points have been relocated either to better represent NO₂ exposure across the district, or for improved security issues where tubes are regularly stolen.
- 4.5 Locations

Tube No.	Site	Description
1	Road Sign, Findern Lane, Burnaston	Roadside – Adjacent to A38

2	27 High St , Woodville	Roadside – Adjacent to A511
3	Community Centre, Hall Street Church Gresley	Urban Background
4	Castle Hotel, Station Road, Hatton	Urban Background
5	Robin Hood, Burton Road, Overseal	Roadside – Adjacent to A444
6	84 Burton Road, Findern	Roadside adjacent to A38
7	Village all, Main St. Smisby	Rural Background
8	Scout Hut, Packhorse Road, Kings Newton, Melbourne	Rural Background
9	97 Woodland Road Stanton	Roadside – Adjacent to A444
10	Lamppost, nr 160 Burton Road Castle Gresley	Roadside – Adjacent to A444
11	Library 1 Hartshorne Rd Woodville	Roadside – Tollgate Island

- 4.6 Wherever new developments are proposed which could threaten the air quality targets for an area, for example new roads or large housing estates, the Environmental Health Department requests that an air quality report is prepared to predict the likely impact of the development, and includes mitigation measures wherever necessary.
- 4.7 South Derbyshire District Council will continue to monitor and assess the air quality within the district, and strive to ensure that future and ongoing activities and developments do not jeopardise the continuing improvements in air quality.
- 4.8 Copies of the 2006 Updating and Screening Assessment report are available from John Mills, Pollution Control Officer in the Environmental Health Department. The next stage in the review process is the Progress Report to be completed by the end of April 2007.

5 Background Papers

DEFRA *Local Air Quality Management Technical Guidance LAQM.TG(03)*. DEFRA Publication. London.