



# OUTDOOR AIR QUALITY TESTING

**Local Authorities are responsible under Part IV of the Environment Act 1995 for reviewing and assessing ambient air quality in their areas.**

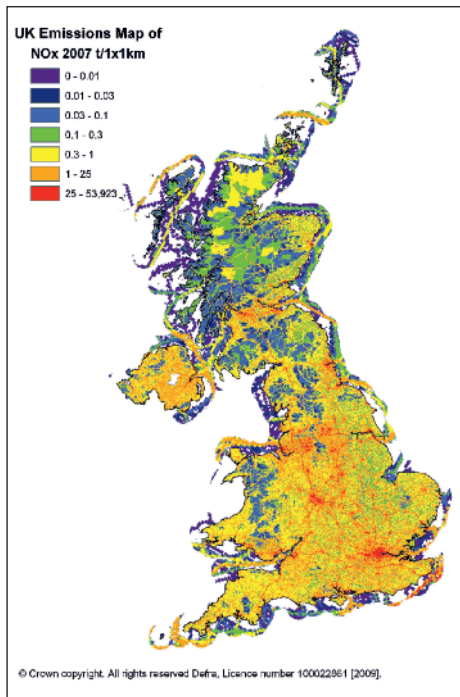
When any proposed development is located within a designated Local Air Quality Management Area, the local authority will require an Environmental Impact Assessment as part of the planning application. An outdoor air quality evaluation must be included in this assessment. Where the development is small, the Environmental Impact Assessment will focus on the impact of the local environment to occupants of the new development, rather than the impact of the development on the local environment.



## Features

In order to assess the impact of the local environment on the occupants of new and redeveloped buildings, the outdoor air quality testing service includes some or all of the following features:

- Liaison with Local Authority representatives prior to commencing work to ensure the scope of proposed Environmental Impact Assessment will be appropriate for the planning application.
- A site visit to confirm of the relevant characteristics of the development including major traffic movements and routes, local pollutant sources and topography.



Legionella Control

Asbestos Management

Indoor Air Quality

**Outdoor Air Quality**

Water Hygiene

Water Management

Fire Risk Assessment

Health & Safety

Access

Workplace Noise Assessments

RecordsForBuildings.com

Training



*(continued)*

- Review of local authority air quality reports to determine problem pollutants; location of proposed development with respect to Air Quality Management Areas; predict pollutant levels at proposed development; location and designation of nearby pollutant monitoring stations and historical trends from these sites. Problem pollutants are likely to be Nitrogen Dioxide and/or PM10 particulate, but may include Sulphur Dioxide, Benzene, 1,3-Butadiene, Carbon Monoxide or Lead.
- Collation and analysis of other pollution data where this is more up to date than the latest local authority reports.
- Review of the site plans as they relate to pollution including; building use e.g. retail on Ground floor or flats on upper floors; number of floors; location of openable windows and balconies with respect to pollution sources; inclusion of mechanical ventilation and location of air intake/provision of filtration.
- Collation of local meteorology factors that may affect the pollutant attributes of the site.
- Analysis of all relevant data regarding air quality standards and assessment using the objectives from the Air Quality Regulations 2000 and (Amendment) Regulations 2002 for Local Air Quality Management (LAQM).



- The impact of road traffic pollutants on the air quality of the actual site can be predicted, using the numerical appraisal model, DMRB (Design Manual for Roads and Bridges, 1999), a model that predicts Nitrogen Dioxide concentration using actual monitoring data and WinOSPM Operational Street Pollution Model.
- Rule-of-thumb recommendations in relation to reducing potential exposure of occupants of the proposed development to levels of pollutants, should they be discovered to exceed LAQM objectives.



## Other Air Monitoring Services

- Indoor Air Quality Monitoring
- Air Monitoring Stations
- Verification and Validation of Specialist Healthcare Ventilation systems
- Complaint Investigation
- Design consultation Local Exhaust Ventilation
- Stack Emission Testing
- Radon Surveys
- HVAC System Control
- Pre-occupancy surveys
- Clean Room Evaluation
- Condition Surveys

### Reading Office

Parkside, Basingstoke Road  
Spencers Wood  
Berkshire RG7 1AE

Tel: +44 (0) 1189 889999  
Fax: +44 (0) 1189 885599  
Email: [info@hbi.co.uk](mailto:info@hbi.co.uk)

### Wakefield Office

Evans Business Centre  
Monckton Road, Wakefield  
West Yorkshire WF2 7AS

Tel: +44 (0) 1924 888166  
Fax: +44 (0) 1189 885599  
Email: [info@hbi.co.uk](mailto:info@hbi.co.uk)

### Belfast Office

Martrey House  
Ravenhill Road  
Belfast BT6 8AW

Tel: +44 (0) 28 9073 8777  
Fax: +44 (0) 28 9073 2777  
Email: [info@hbi.ie](mailto:info@hbi.ie)

### Dublin Office

Unit 10-11  
Santry Hall Industrial Estate  
Santry, Dublin 9, Ireland

Tel: +353 (0) 1862 3794  
Fax: +353 (0) 1862 1680  
Email: [info@hbi.ie](mailto:info@hbi.ie)

[www.hbi.co.uk](http://www.hbi.co.uk)

[www.RecordsForBuildings.com](http://www.RecordsForBuildings.com)



INVESTORS IN PEOPLE