

**Current Position:** Principal Consultant with Air Quality Consultants Ltd.

**Year of Birth:** 1972

**Nationality:** British

**Qualifications:** BSc (Hons) Zoology (1994)  
MSc Environmental Science (1997)  
PhD Air Quality Management (2003)

**Positions Held:**

- Secretary of the Institute of Air Quality Management (2003-current)
- Member of Institution of Environmental Sciences (MIES) (2003-current)
- Member of South West Division of NSCA (2002-2008)
- Visiting Lecturer, U.W.E., Bristol, Faculty of the Built Environment (2004-2005) and Faculty of Applied Sciences (2001-2005)
- Visiting Lecturer, University of Birmingham (2006-2009) Division of Environmental Health and Risk Management
- Member of NSCA Working Group on Development Control and Planning Guidance (2004-2005)
- Member of NSCA Working Group on Air Quality Action Planning Guidance (2002-2004)

**Key Experience:**

Over 16 years' experience of air quality management and assessment and policy formulation in both an academic and consultancy environment. Prepared air quality review and assessment reports, strategies and action plans for local authorities. Developed guidance documents on air quality management on behalf of central government, local government and NGOs. Appraised local authority air quality assessments on behalf of the UK governments, and provided support to the Review and Assessment helpdesk. Provided support to the integration of air quality considerations into Local Transport Plans and planning policy processes. Involved in the preparation of air quality assessments for a range of development projects.

**Employment Record:**

- 2008-date**      **Principal Consultant, Air Quality Consultants Ltd.**  
Responsible for air quality management assessment and policy work for range of clients
- 2006-2008**      **Senior Consultant, Air Quality Consultants Ltd.**  
Responsible for air quality management assessment and policy work for range of clients
- 1998- 2006**      **Research Associate/ Fellow, Air Quality Management Centre, U.W.E., Bristol**  
Responsible for Centre management, project management for various air quality assessment and policy projects for range of clients from local to international, provision of training events

## Air Quality Policy and Strategies

### **Review of Air Quality Grant Applications on behalf of Defra and the Scottish Government (2011 – ongoing)**

Responsible for reviewing Grant Applications, project plans and Grant Progress Reports submitted by local authorities on behalf of Defra and the Scottish Government.

### **Health Impacts of Air Pollution in Bristol (2014)**

Responsible for project to quantify mortality and morbidity attributable to air pollution within the City of Bristol. Calculations based on risk coefficients applied to mapped PM<sub>2.5</sub> concentrations across the city.

### **Support for Air Quality Management Plans in South Africa (2011)**

Contributed to a project coordinated by Zanokuhle Environmental Services on behalf of the Department of Environmental Affairs (DEAT), to improve assess the national air quality management planning (AQMP) status quo and the development of the national AQMP support programme.

### **Air Quality Strategy for Cheshire East Council (2010)**

Responsible for an Air Quality Strategy for Cheshire East Council which was produced as a daughter document to LTP3.

### **Air Quality Strategy for Somerset (2008)**

Responsible for a regional Air Quality Strategy on behalf of the five local authorities of Somerset (West Somerset DC, Taunton Deane DC, Sedgemoor DC, Mendip DC, South Somerset DC).

### **Air Quality Strategy and Planning Protocol for Herefordshire and Worcestershire (2008)**

Responsible for a regional Air Quality Strategy on behalf of Herefordshire County Council and the local authorities of Worcestershire. The work included the provision of a Planning protocol to cover the same authorities.

### **Wiltshire Air Quality Core Strategy (2008-2009)**

Responsible for a regional Air Quality Strategy Document on behalf of Wiltshire County Council and the four authorities in Wiltshire as they amalgamate to become one unitary authority, Wiltshire Council.

### **Air Quality Strategy for the Tyne and Wear region (2005-2006)**

Responsible for a regional Air Quality Strategy on behalf of the five local authorities of Tyne and Wear (Newcastle City Council, Gateshead, North Tyneside, South Tyneside and Sunderland).

### **Air Quality Strategy for the West London Local Authorities (2005)**

Contributed to the delivery of a project to develop an Air Quality Strategy for the four local authorities surrounding Heathrow (London Boroughs of Hounslow and Hillingdon, Spelthorne Borough Council and Slough Borough Council).

### **Air Quality Strategy for the Local Authorities in Gloucestershire (2004)**

Contributed to the development and preparation of a County-wide Air Quality Strategy on behalf of the six local authorities of Gloucestershire and the County Council (Gloucester City Council, Forest of Dean District Council, Cotswold District Council, Stroud District Council, Cheltenham Borough Council and Tewkesbury District Council).

### **ASIA-Urbs Programme of Urban Air Quality Policy and Technical Assistance (2002-2004)**

Responsible for ASIA-Urbs programme of developing urban air quality management capabilities in Asia, in partnership with local authorities and academic institutions in Bristol, Bangkok and Athens.

### **Air Quality Strategy for the Former-Avon Area (2003)**

Contributed to the development and preparation of an Air Quality Strategy for the former-Avon area on behalf of Bristol City Council, South Gloucestershire Council, Bath & North East Somerset Council & North Somerset Council.

### **A Review of Policy Options for delivering air quality objectives in the former Avon area (2001)**

Contributed to preparing project and report for Bristol City Council, South Gloucestershire Council, Bath & North East Somerset Council & North Somerset Council.

### **Scoping Review Proposals for the development of individual Local Air Quality Strategies for Bath & North East Somerset Council, Bristol City Council, North Somerset Council & South Gloucestershire Council (2001)**

Contributed to project development and all project reports.

**Sustainable Development Round Table: Air Quality in South West England (1999)**

Responsible for project report produced on behalf of the South West Sustainable Development Round Table.

## **Air Quality Management Review and Assessment**

**Air Quality Detailed Assessment, South Gloucestershire Council (2014)**

Responsible for overseeing the Review and Assessment report in Warmley, South Gloucestershire

**Air Quality Detailed Assessment, Wycombe District Council (2014)**

Responsible for overseeing the Review and Assessment report plus monitoring review in Wycombe.

**Air Quality Detailed Assessment, Highland Council (2014)**

Responsible for overseeing the Review and Assessment report in Inverness.

**Air Quality Detailed Assessment, Selby District Council (2013)**

Responsible for overseeing the Review and Assessment report in Selby.

**Air Quality Progress Report Warwick District Council (2013)**

Responsible for overseeing the Review and Assessment report in Warwick.

**Air Quality Progress Report, Selby District Council (2013)**

Responsible for overseeing the Review and Assessment report in Selby.

**Air Quality Progress Report, Wycombe District Council (2013)**

Responsible for overseeing the Review and Assessment report in Wycombe.

**Air Quality Detailed Assessment, Suffolk Coastal District Council (2013)**

Responsible for overseeing the Review and Assessment report for a straw burning biomass plant in Suffolk.

**Air Quality Progress Report, Lichfield District Council (2013)**

Responsible for overseeing the Review and Assessment report in Lichfield.

**Detailed Assessment, East Hertfordshire (2013)**

Responsible for overseeing the Review and Assessment report in Sawbridgeworth

**Further Assessment, Dacorum (2013)**

Responsible for overseeing the Review and Assessment report in Hemel Hempstead, Apsley and Northchurch.

**Air Quality Detailed Assessment Warwick District Council (2013)**

Responsible for overseeing the Review and Assessment report in Charles Street, Warwick.

**Updating and Screening Assessments (2012)**

Southampton City Council, London Borough of Hounslow, Ealing, Thanet, Selby, Wycombe, Warwick Monmouthshire, Tunbridge Wells, Canterbury, Dover, Broadland, Ashford, Maidstone, Shepway, Tonbridge and Malling

**Air Quality Further Assessment, Wycombe District Council (2012)**

Responsible for overseeing the Review and Assessment report in Wycombe.

**Detailed Assessment in Cogan, Vale of Glamorgan (2012)**

Responsible for overseeing the Review and Assessment report in Vale of Glamorgan.

**Detailed Assessment of Stourport on Severn in Wyre Forest (2012)**

Responsible for overseeing the Review and Assessment report in Wyre Forest.

**Detailed Assessment of Coventry Road in Warwick (2012)**

Responsible for overseeing the Review and Assessment report in Warwick.

**Detailed Assessment of the M40 in South Oxfordshire (2011)**

Responsible for overseeing the Review and Assessment report in South Oxfordshire.

**Air Quality Detailed Assessment, Preston City Council (2011)**

Preparation of Review and Assessment report for Preston City Council.

**Air Quality Progress Report, South Ribble District Council (2011)**

Preparation of Review and Assessment report for South Ribble District Council.

**Air Quality Progress Report, Warwick District Council (2011)**

Preparation of Review and Assessment report for Warwick District Council.

**Further Assessment, South Gloucestershire Council (2011)**

Preparation of a Further Assessment report for South Gloucestershire Council.

**Air Quality Progress Report, South Gloucestershire Council (2011)**

Preparation of Review and Assessment report for South Gloucestershire Council

**Air Quality Progress Report, Reigate and Banstead Borough Council (2011)**

Preparation of Review and Assessment report for Reigate and Banstead Borough Council.

**Assessment of Local Authority Review & Assessment Procedure (2001-2010)**

Contribution to Defra and Devolved Administrations contract to appraise Air Quality Review & Assessment reports prepared by local authorities in UK. Included the appraisal of Updating and Screening Assessments, Detailed Assessments, Further Assessments and Progress Reports and assistance with dedicated help desk facility, web site provision and revision of policy and technical guidance.

**Air Quality Detailed Assessment of High Wycombe, Wycombe District Council and modelling of the M40 (2010)**

Preparation of Review and Assessment report for Wycombe District Council.

**Modelling of the M40 AQMA, Wycombe District Council (2010)**

Further modelling work relating to an existing AQMA in order to redefine the AQMA area.

**Action Plan Progress Report, Winchester City Council (2010)**

Preparation of Review and Assessment report for Winchester City Council.

**Air Quality Progress Report and Detailed Assessment, Warwick District Council (2010)**

Preparation of Review and Assessment report for Warwick District Council.

**Air Quality Progress Report, Reigate and Banstead Borough Council (2010)**

Preparation of Review and Assessment report for Reigate and Banstead Borough Council.

**Air Quality Updating and Screening Assessment, Stratford-on-Avon District Council (2009)**

Preparation of Review and Assessment report for Stratford-on-Avon District Council.

**Air Quality Updating and Screening Assessment, Warwick District Council (2009)**

Preparation of Review and Assessment report for Warwick District Council.

**Air Quality Updating and Screening Assessment, Vale of the White Horse District Council (2009)**

Preparation of Review and Assessment report for Vale of the White Horse District Council.

**Air Quality Updating and Screening Assessment, Reigate and Banstead Borough Council (2009)**

Preparation of Review and Assessment report for Reigate and Banstead Borough Council.

**Air Quality Updating and Screening Assessment, Monmouthshire County Council (2009)**

Preparation of Review and Assessment report for Monmouthshire County Council.

**Air Quality Updating and Screening Assessment, Spelthorne District Council (2009)**

Preparation of Review and Assessment report for Spelthorne District Council.

**Action Plan Progress Report, Erewash Borough Council (2009)**

Preparation of Review and Assessment report for Erewash Borough Council.

**Air Quality Detailed Assessment, Vale of the White Horse DC (2007)**

Preparation of Review and Assessment report for Botley, Vale of the White Horse.

**Development of an Action Planning and Review and Assessment Database on behalf of the Greater London Authority (2006-2007)**

Contribution to the project to provide an integrated database for the GLA covering all aspects of Review and Assessment and Air Quality Action Planning.

**Air Quality Further Assessment, Blackburn with Darwen BC (2006)**

Preparation of Review and Assessment report for Blackburn with Darwen Borough Council.

**Air Quality Updating and Screening Assessments, Lancashire (2003)**

Preparation of Updating and Screening Assessments for two local authorities (South Ribble and West Lancashire) in Lancashire

**Air Quality Updating and Screening Assessment, Cheltenham (2003)**

Preparation of Updating and Screening Assessment for Cheltenham Borough Council, Gloucestershire.

**Air Quality Updating and Screening Assessment, North Dorset (2003)**

Preparation of Updating and Screening Assessment for North Dorset District Council.

**Air Quality Updating and Screening Assessment, Salisbury (2003)**

Preparation of Updating and Screening Assessment for Salisbury District Council.

**Air Quality Stage 1-Stage 3 Assessments, Salisbury District Council (1998-2000)**

Preparation of air quality assessment reports for Salisbury District Council.

**Air Quality Stage 4 Assessment for central Salisbury (2002) and Wilton (2004), Salisbury District Council**

Preparation of air quality assessment reports for Salisbury District Council.

**Evaluation of First Phase of Review & Assessment Process (2001-2002)**

Project managed UWE input into DEFRA and Devolved Administrations contract to evaluate the Review & Assessment process.

**Evaluation of Review and Assessment Support Service (2004)**

Project managed UWE input into the evaluation of support services for R&A on behalf of Defra, Scottish Executive, Welsh Assembly Government, DoE, Northern Ireland and the GLA.

## **Air Quality Assessments**

**Air Quality Assessment of Materials Recycling Facility, Lower Compton, Wiltshire (2012- current)**

Responsible for the preparation of an air quality assessment for a Materials Recycling facility in Wiltshire.

**Air Quality Assessment of 3 Schools in Lambeth (2014-2015)**

Responsible for the preparation of an air quality assessment for schools in Lambeth.

**Air Quality Assessment of a student development in Newcastle (Burgess House) (2014)**

Responsible for the preparation of an air quality assessment for a residential development in Newcastle.

**Air Quality Assessment of a residential development in Dalton, Rotherham (2014)**

Responsible for the preparation of an air quality assessment for a residential development in Rotherham.

**Air Quality Assessment of a mixed use development in Dorchester High Street (2014)**

Responsible for the preparation of an air quality assessment for a mixed use development in Dorchester.

**Air Quality Assessment of a residential development in Warminster Road, Bath (2014)**

Responsible for the preparation of an air quality assessment for a residential development in Bath

**Air Quality Assessment of a retail development in Kirklees (2014)**

Responsible for the preparation of an air quality assessment for a retail development in Kirklees.

**Air Quality Assessment of an exploratory well site in West Sussex (2013-2014)**

Responsible for the preparation of an ES Chapter for a well site in West Sussex.

**Air Quality Assessment of a mixed use development at Thurrock Lakeside (2014)**

Responsible for the preparation of an ES Chapter for a mixed use development in Thurrock.

**Air Quality Assessment of a mixed use development in Eastbourne (2013)**

Responsible for the preparation of an air quality assessment for a mixed use development in Eastbourne.

**Air Quality Assessment of a mixed use development in Hindhead, Waverley (2013)**

Responsible for the preparation of an air quality assessment for a mixed use development in Hindhead.

**Air Quality Assessment of a residential development in Ealing (2013)**

Responsible for the preparation of an air quality assessment for a residential development in Ealing.

**Air Quality Assessment of a student development in Cardiff (Northgate House) (2013)**

Responsible for the preparation of an air quality assessment for a residential development in Cardiff.



**Air Quality Assessment of a residential development in Doncaster (2013)**

Responsible for the preparation of an air quality assessment for a residential development in Doncaster.

**Air Quality Assessment of a mixed use development in Camden (2013)**

Responsible for the preparation of an air quality assessment for a mixed use development in Camden.

**Air Quality Assessment of a mixed use development in Wiltshire (2013)**

Responsible for the preparation of an ES Chapter for an urban extension in Wiltshire.

**Air Quality Assessment of a mixed use development in Sevenoaks (2012)**

Responsible for the preparation of an air quality assessment for a mixed use development in Sevenoaks.

**Air Quality Assessment of a mixed use development in Stafford (2012)**

Responsible for the preparation of an air quality assessment for a mixed use development in Stafford.

**Air Quality Assessment of a residential development in Winchester (2012)**

Responsible for the preparation of an air quality assessment for a residential development in Winchester.

**Air Quality Assessment of a retail development in South Oxfordshire (2012)**

Responsible for the preparation of an air quality assessment for a retail development in Wallingford, South Oxfordshire.

**Air Quality Assessment of a residential development in Brent (2012)**

Responsible for the preparation of an air quality assessment for a residential development in Brent.

**Air Quality Assessment of a retail development in Dudley (2012)**

Responsible for the preparation of an air quality assessment for a retail development in Dudley.

**Air Quality Assessment of a retail development in Guildford (2012)**

Responsible for the preparation of an air quality assessment for a retail development in Guildford.

**Air Quality Assessment of a retail development in Chelmsford (2012)**

Responsible for the preparation of an air quality assessment for a retail development in Chelmsford.

**Air Quality Assessment of a car park development at a railway station in South Gloucestershire (2012)**

Responsible for the preparation of an air quality assessment for a development at a railway station in South Gloucestershire.

**Air Quality Assessment of a stadium development in South Gloucestershire (2012)**

Responsible for the preparation of an air quality assessment for a stadium development in South Gloucestershire.

**Air Quality Assessment of a residential development at a school in Wycombe (2012)**

Responsible for the preparation of an air quality assessment for a residential development in Wycombe.

**Air Quality Assessment of a residential development in Teignbridge (2012)**

Responsible for the preparation of an air quality assessment for a residential development in Teignbridge.

**Air Quality Assessment of a marina development in Wyre Forest (2012)**

Responsible for the preparation of an air quality assessment for a marina development in Stourport on Severn, Wyre Forest.

**Air Quality Assessment of a housing development in Camden (2011)**

Responsible for the preparation of an air quality assessment for a housing development in Camden.

**Air Quality Assessment of a mixed use development in Bristol (2011)**

Responsible for the preparation of an air quality assessment for a mixed use development on the site of the former magistrates court.

**Air Quality Assessment of a retail development in Bath (2011)**

Responsible for the preparation of an air quality assessment for a retail development in Bath.

**Air Quality Assessment of a housing development near Worcester (2011)**

Responsible for the preparation of an air quality assessment for a housing development in Wychavon.

**Due-diligence appraisal of land in Littlehampton, Arun (2010)**

Report to identify possible air quality constraints on a proposed development.

**Due-diligence appraisal of land in Havant (2010)**

Report to identify possible air quality constraints on a proposed development.

**Update to an Air Quality Assessment of a retail development in Maldon, Essex (2010)**

Update report in response to comments from Maldon Council.

**Air Quality Assessment of a retail development in Faringdon, Oxfordshire (2010)**

Responsible for the preparation of an air quality chapter of an Environmental Statement for planning application for a retail development.

**Update of air quality assessments for 3 Camden Schools (2010)**

Responsible for the preparation of an air quality assessment for proposed new schools in Camden.

**Air Quality Assessment of a residential development in Shepperton, Spelthorne (2010)**

Involved in the preparation of an air quality assessment for proposed sheltered housing in Shepperton.

**Update of an Air Quality Assessment for a commercial development in Maldon (2010)**

Responsible for the preparation of an air quality assessment for a commercial development in Maldon.

**Air Quality Assessment for a mixed use development in Gallowgate, Newcastle (2007)**

Responsible for the preparation of an air quality assessment for a mixed use development in Newcastle.

**Air Quality Assessment of a residential development in Crown Street, Reading (2007)**

Responsible for the preparation of an air quality screening assessment for a proposed student residential development.

**Air Quality Screening Assessment of a Residential Development, Sandwell (2006)**

Involved in the preparation of an air quality screening assessment for a proposed residential development on Harvills Hawthorn, Sandwell.

**Air Quality Screening Assessment of a Mixed Use Development, Cambridge (2006)**

Involved in the preparation of an air quality assessment, including undertaking monitoring, for a proposed mixed use development on the site near Cambridge University Press, Cambridge.

**Air Quality Screening Assessment of three new schools, Barnsley (2006)**

Involved in the preparation of an air quality assessment for a proposed development entailing three schools in the Barnsley area.

**Air Quality Screening Assessment of Mixed Use Development, Poplar Riverside, Tower Hamlets (2006)**

Involved in the preparation of an air quality assessment for mixed use development at Poplar Riverside in Tower Hamlets.

## **Air Quality Guidance**

**Ad hoc guidance on behalf of Defra and Devolved administrations (2002-2008)**

Assistance with ad hoc guidance reports to support the review and assessment process.

**Technical Guidance for LAQM (2002/03 and 2006)**

Involved in preparation of guidance for Local Air Quality Management (TG(03)) on behalf of Defra and the devolved administrations (in collaboration with other partners), and supplementary guidance on Progress Reports (2002-2003). Also contributed to update of guidance for 2006 Updating and Screening Assessments.

**Development Control and Air Quality: Planning for Air Quality. 2006 Update (NSCA) (2006)**

Heavily involved in writing and editing the updated planning guidance.

**Development Control and Air Quality: Planning for Air Quality Guidance (NSCA) (2004)**

Involved in NSCA working group to develop guidance and final editing of document.

**Air Quality Action Plans: Planning for Action Guidance (Interim and final guidance) (NSCA) (2001)**

Involved in NSCA working group to develop guidance and final editing of document.

**Guidance for Council Land Use Planners - Air Quality Considerations in Planning (2001)**

Contributed to the production and editing of guidance for the Bristol, Gloucestershire & Somerset Environmental Protection Committee.

**Air Quality Management Areas: Turning Reviews into Action (NSCA) (2000)**

Involved in NSCA working group to develop guidance.

## **Air Quality Action Planning**

**Warwick District Council (2015)**

Responsible for a full scale update to the Air Quality Action Plan for Warwick District Council.

**Cheshire West and Chester Council (2012-2013)**

Responsible for running stakeholder meetings and translating the outcomes of the meetings into an Air Quality Action Plan for an AQMA in Chester. Included running the Air Quality Action Plan Steering Group.

**Blaby District Council (2013–2014)**

Responsible for provision of advice to Blaby District Council and writing of the Action Plan for AQMAs situated on the M1. Included meetings and liaison with the Highways Agency.

**Warwick Action Plan Review (2011)**

Responsible for Reviewing the Action Plan for Warwick from an external perspective and liaising with Warwickshire County Council.

**Vale of the White Horse District Council (2008-2009)**

Responsible for running stakeholder meetings and translating the outcomes of the meetings into an Air Quality Action Plan for Abingdon. Included numerous meetings with the Technical Working Group, Advisory Group (elected members) and others to ensure full participation in the AQAP process.

**Monmouthshire County Council (2008-2009)**

Responsible for writing an Air Quality Action Plan for Chepstow including gaining involvement of relevant professionals such as transport planners, development control etc.

**Newcastle City Council (South Gosforth AQMA) Air Quality Action Plan (2007-2009)**

Responsible for overseeing the AQAP process in Gosforth, Newcastle upon Tyne, which involved liaising with transport planners responsible for a Transport Strategy for the area and modelling the outputs of the transport strategy.

**Stratford on Avon District Council Air Quality Action Plan (2008)**

Provision of advice on the AQAP, attending a meeting with Warwickshire County Council to discuss options for inclusion and helping draft the AQAP.

**Warwick (2008)**

Provision of advice on the AQAP, and undertaking some technical work for a draft of the AQAP.

**Westminster City Council review of Air Quality Strategy and Action Plan (2006-2007)**

Responsible for reviewing, writing and undertaking consultation an updated Air Quality Strategy and Action Plan for Westminster City Council.

**Stoke on Trent City Council Air Quality Action Plan (2006-2007)**

Responsible primarily for consultation on the Stoke on Trent Air Quality Action Plan, but also general advice on the process of action planning

**Coventry City Council Air Quality Action Plan (2006)**

Advice and consultation on the later stages of the Action Plan including advice on setting up a steering group, evaluating measures for inclusion in the action plan and redrafting the document.

**Tyne and Wear authorities Action Planning Process (2004-2006)**

Responsible for local authorities in the Tyne and Wear area requiring action plans (Newcastle, Gateshead and South Tyneside) including the integration of action plans into the LTP process and other planning frameworks.

**Leicester City Council Air Quality Action Plan (2004-2006)**

Responsible for the development of Leicester's Action Plan, including the organisation and provision of consultation workshops, evaluation of options available and production of an action plan document.

**Bath and North East Somerset's Air Quality Action Plan (2004-2005)**

Responsible for the development and consultation processes relating to Bath and North East Somerset's Air Quality Action Plan.



**Taunton Deane Action Plan (2003-2004)**

Responsible for the development of Taunton Deane's Action Plan and consultation workshops associated with the development and implementation of the Action Plan and chairing a working group of local authority and external stakeholders.

**West Wiltshire Action Planning Process (2003-2005)**

Assistance with the development of air quality action planning measures and internal and external consultation on behalf of West Wiltshire District Council.

**Salisbury District Council Action Planning Process (2002-2003)**

Assistance with the action planning process in Salisbury including attendance at steering group meetings and advice on the preparation of the action plan.

**York Action Plan (2002)**

Responsible for consultation workshops associated with the development and preparation of the Action Plan for York.

**Gravesham Action Plan (2003)**

Responsible for the investigation of options available for Gravesham Borough Council in the development of their air quality action plan, including setting up and chairing a working group.

**Trans-boundary Project to address air quality actions across the former-Avon Area (2003)**

Contributed to a project to consider the effect of trans-boundary issues on the implementation of action plans and implementation of LAQM across the former-Avon area, on behalf of Bristol City Council, South Gloucestershire Council, Bath & North East Somerset Council & North Somerset Council.

## **BREEAM (Indoor Air)**

**Wandsworth BREEAM Indoor Air Quality Plan (2014)**

Responsible for work for BREEAM credit within the Health and Wellbeing section of the BREEAM 2011 scheme document on Indoor Air Quality Plan for a veterinary hospital and office building development.

**Lambeth BREEAM Indoor Air Quality Plan (2014)**

Responsible for work for BREEAM credit within the Health and Wellbeing section of the BREEAM 2011 scheme document on Indoor Air Quality Plan for a mixed use development.

**Reading BREEAM Indoor Air Quality Plan (2014)**

Responsible for work for BREEAM credit within the Health and Wellbeing section of the BREEAM 2011 scheme document on Indoor Air Quality Plan for a commercial development.

**Woking BREEAM Indoor Air Quality Plan (2013)**

Responsible for work for BREEAM credit within the Health and Wellbeing section of the BREEAM 2011 scheme document on Indoor Air Quality Plan for a mixed use development.

**Newport BREEAM Indoor Air Quality Plan (2013)**

Responsible for work for BREEAM credit within the Health and Wellbeing section of the BREEAM 2011 scheme document on Indoor Air Quality Plan for an office development.

## **Local Transport Planning**

**Tyne and Wear LTP2 (2005-2006)**

Responsible for the production of air quality targets and indicators for Local Transport Plan 2 for Tyne and Wear. Also responsible (through strategy work) for air quality chapter of the LTP and general advice on air quality related to the LTP.

**Central Leicestershire LTP2 (2005-2006)**

Responsible for the production of air quality targets and indicators for LTP2 for Central Leicestershire (covering Leicester & some of the district AQMAs) and general advice on air quality related to the LTP.

**Leicestershire LTP2 (2006)**

Responsible for the production of air quality targets and indicators for LTP2 for Central Leicestershire (covering the outer districts in Leicestershire) and general advice on air quality related to the LTP.

## Air Quality and Planning

### **Dudley Metropolitan Borough Council (2013)**

Written response to planning conditions for a retail development in Dudley.

### **Wycombe District Council (2013)**

Appraisal of air quality assessment of the impacts of the Masterplan in High Wycombe. Written response on behalf of Wycombe District Council.

### **Warwick District Council (2013)**

Responsible for an air quality assessment of long term development associated with the Local Plan in Warwick.

### **Bournemouth Borough Council (2011)**

Review of planning application air quality assessment for a commercial development in Bournemouth, on behalf of Bournemouth Borough Council.

### **Mendip District Council (2008)**

Development of a planning brief for Mendip District Council to provide advice on issues relating to planning and air quality in Frome.

### **Blackburn Planning Application appraisals (2006 – 2009)**

Contributed to appraisals of planning applications referred to Blackburn with Darwen Borough Council in respect to potential air quality impacts

### **Appraisal of London Planning Applications submitted to the Mayor (2005-2006)**

Contributed to appraisals of planning applications referred to the Mayor for consideration in respect to potential air quality impacts, on behalf of the Mayor of London.

### **Appraisal of Local Development Framework (LDF) proposals submitted to the Mayor of London (2006)**

Contributed to appraisals of developing LDFs and associated documents referred to the Mayor for consideration, on behalf of the Mayor of London.

### **Planning Guidance: Air Quality and Development Control for West London (2005)**

Contributed to the delivery of a project to develop and prepare guidance on planning and air quality on behalf of seven local authorities in West London (London Boroughs of Hounslow, Harrow, Hillingdon, Ealing, Richmond-upon-Thames, Hammersmith and Fulham and Brent).

## Low Emission Strategies

### **Low Emission Strategy (LES) for Housing Development in Pulborough, Horsham**

Responsible for LES for Housing Development in Horsham.

## Miscellaneous

### **Bristol Port Authority (2015)**

Responsible for interpretation and communication of the air quality impacts of activities at Bristol Port.

### **Newark and Sherwood Dust Assessment (2012)**

Undertook a dust assessment for an activity centre in Newark.

### **Training Workshop on Air Quality and Planning (Cardiff) (2011)**

Provided a 1-day training package to local authorities on planning and air quality on behalf of the Welsh Assembly Government.

### **Training Workshops on LAQM Technical Guidance TG(09) (2009)**

Provided a 1-day training package to local authorities on the LAQM Technical Guidance Update (TG(09)) an associated tools (Cardiff, Edinburgh, Crawley and Bristol).

### **Birmingham University, Visiting Lecturer (2006-2009)**

Lecturer on air quality management for MSc in Air Pollution Management and Control.

**U.W.E., Bristol, Faculty of the Built Environment, Visiting Lecturer (2004-2005) and Faculty of Applied Sciences (2001-2005)**

Lecturer on air quality management for MSc and BSc in Transport Planning and MSc's in Environmental Health and Science.

**Workshops and Conference provision (1999-2005)**

Responsible for the preparation, delivery, marketing and facilitation of a number of workshops, seminars and Conferences (including an Annual Conference) across the UK for local authorities and others in the LAQM field, on all aspects of local air quality management, planning and consultation. Includes regionally delivered workshops on planning and air quality (2005) and on Round 2 of the Review and Assessment process (2003).

**Academic Papers (1999-2005)**

Principle author of 8 peer reviewed papers on air quality management policy and implementation published in journals including Atmospheric Environment, Local Environment, Environmental Science and Policy; Journal of Environmental Management; Journal of Environmental Planning and Management; Science of the Total Environment as well as numerous book chapters.

**International Conference Presentations (1999-2003)**

Presentations to international audiences including the Urban Air Quality conference series and Air Pollution Series and as an invited contributor to Better Air Quality Asia (Manila, 2003).