

<b>Current Position:</b>	Consultant with Air Quality Consultants Ltd.
<b>Year of Birth:</b>	1985
<b>Nationality:</b>	British
<b>Qualifications:</b>	BSc (Hons) Environmental Geoscience

## Key Experience:

Prior to joining Air Quality Consultants, Paul worked as an Air Quality Consultant at Odournet UK Ltd, where he was also head of the technical and sampling department. Paul has undertaken a number of odour and air quality assessments across a number of industries throughout Europe and in Asia, including assessments of commercial and residential developments, waste handling facilities, food factories, chemical manufacturers, and waste water treatment works. Paul has also been closely involved in the development and subsequent standardisation of at-source air monitoring techniques in the UK, and was a key contributor to at-source bioaerosol monitoring research undertaken in collaboration with Leeds University for the Environment Agency in 2013.

## Employment Record:

<b>2016 – Current</b>	<b>Senior Consultant, Air Quality Consultants Ltd.</b> Responsible for providing support for air quality monitoring, modelling and assessment for a range of clients.
<b>2014 – 2016</b>	<b>Consultant, Air Quality Consultants Ltd.</b> Responsible for providing support for air quality monitoring, modelling and assessment for a range of clients.
<b>2010 – 2014</b>	<b>Consultant and Head of Sampling, Odournet UK Ltd.</b> Responsible for undertaking air quality and odour modelling and assessments, and management and development of the technical department.
<b>2008 – 2010</b>	<b>Assistant Consultant, Odournet UK Ltd.</b> Undertaking air quality sampling, modelling and assessment for a wide variety of facilities.

## Residential and Commercial Developments

### **Air Quality Assessment of a Proposed Hospital Development, Sandwell (2015)**

Responsible for the preparation of an air quality assessment of a proposed hospital development in Sandwell. Included compiling, running and analysing data for the ADMS Roads and AMDS-5 models.

### **Air Quality Assessment of a Proposed Residential Development, South Holland (2015)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Holbeach, South Holland. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of a Proposed Residential Development, Tewkesbury (2015)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Wheatpieces, Tewkesbury. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of a Proposed Residential Development, Corby (2015)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Corby. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of a Proposed Hotel Development, London Borough of Southwark (2015)**

Responsible for the preparation of an air quality assessment of a proposed hotel development in Southwark. Included compiling, running and analysing data for the ADMS Roads and AMDS-5 models.

### **Air Quality Assessment of a Proposed Residential Development, Nottingham (2015)**

Responsible for the preparation of an air quality assessment of a proposed student accommodation development in central Nottingham. Included compiling, running and analysing data for the ADMS Roads and AMDS-5 models.

### **Air Quality Assessment of a Proposed Commercial Development, Sunderland (2015)**

Responsible for the preparation of an air quality assessment of a proposed extension to an existing car manufacturing plant in Sunderland. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of a Proposed Commercial Development, London Borough of Hillingdon (2015)**

Responsible for the preparation of an air quality assessment of a proposed pharmaceutical manufacturer and distributor in Hillingdon. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of a Proposed Residential Development, Walsall (2015)**

Responsible for the preparation of an air quality assessment of a proposed small residential development in Walsall. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of a Proposed Commercial Development, Central Bedfordshire (2015)**

Responsible for the preparation of an air quality assessment of a proposed distribution centre in Central Bedfordshire. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of a Proposed Residential Development, Bristol (2015)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Bristol. Included compiling, running and analysing data for the ADMS Roads model.

### **Air Quality Assessment of Mixed-use Development, Derby (2014)**

Responsible for air quality assessment, covering traffic impacts of a large mixed-use development in Derby. Including modelling of traffic using ADMS-Roads and construction dust assessment.

### **Air Quality Assessment of a Proposed Residential Development, Salford (2014)**

Responsible for the preparation of an air quality assessment of a proposed student accommodation development in Salford. Included compiling, running and analysing data for the ADMS Roads model.

**Air Quality Assessment of a Proposed Residential Development, Brent (2014)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Brent, London. Included compiling, running and analysing data for the ADMS Roads and AMDS-5 models.

**Air Quality Assessment of a Proposed Residential Development, Stratford (2014)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Stratford, London. Included compiling, running and analysing data for the ADMS Roads and AMDS-5 models.

**Air Quality Assessment of a Proposed Residential Development, London Borough of Lewisham (2014)**

Responsible for the preparation of an air quality assessment of a proposed residential development in the London Borough of Lewisham. Included compiling, running and analysing data for the ADMS Roads model, as well as modelling emissions from south east London combined heat and power (SELCHP) plant using the ADMS 5 model.

**Air Quality Assessment of a Proposed Commercial Development, Liverpool (2014)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Speke, Liverpool. Included compiling, running and analysing data for the ADMS Roads model.

**Air Quality Assessment of a Proposed Residential Development, Salford (2014)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Salford. Included compiling, running and analysing data for the ADMS Roads model.

**Air Quality Assessment of a Proposed Residential Development, Shoreham-by-Sea (2014)**

Responsible for the preparation of an air quality assessment of a proposed residential development in Shoreham-by-Sea. Included compiling, running and analysing data for the ADMS Roads model.

**Air Quality Assessment of a Proposed Residential Development, York (2014)**

Responsible for the preparation of an air quality assessment of a proposed student residence development in York City Centre. Included compiling, running and analysing data for the ADMS Roads model.

## Odour

**Odour Risk Assessment of a Car Spray Booth and French Restaurant, London Borough of Tower Hamlets (2015)**

Responsible for the preparation of an odour impact risk assessment for an existing car spray booth and French restaurant on an adjacent proposed residential development.

**Odour Assessment of a Proposed Anaerobic Digestion Facility, Hemswell Cliff (2015)**

Responsible for the preparation of an odour impact assessment for a proposed AD facility in Hemswell Cliff using the ADMS-5 model, including stack-height testing to assist with plant design.

**Odour Assessment of a Dairy Farm, Warwick (2015)**

Responsible for the preparation of an odour impact assessment for an existing dairy farm on an adjacent proposed residential development, using the ADMS-5 model.

**Odour Risk Assessment of a Fresh and Frozen Fish Market, Somerset (2015)**

Responsible for the preparation of an odour impact risk assessment for an existing fish market on an adjacent proposed residential development.

**Odour Risk Assessment of a Pet Foods Manufacturing Facility, Somerset (2015)**

Responsible for the preparation of an odour impact risk assessment for an existing pet foods manufacturing facility on two nearby, proposed residential developments.

**Odour Risk Assessment of a Proposed Anaerobic Digestion Facility, Codford (2015)**

Responsible for the preparation of an odour impact risk assessment for a proposed AD facility in Codford.

**Odour Assessment of a Proposed Animal Feeds Facility, York (2015)**

Responsible for the preparation of an odour impact assessment for a proposed animal feeds facility in York using the ADMS-5 model, including stack-height testing to assist with plant design.

**Odour Assessment of a Proposed Animal Feeds Facility, East Ayresshire (2015)**

Responsible for the preparation of an odour impact assessment for a proposed animal feeds facility in East Ayresshire using the ADMS-5 model, including stack-height testing to assist with plant design.

**Odour Assessment of a Proposed Anaerobic Digestion Facility, Broxbourne (2015)**

Responsible for the preparation of an odour impact assessment for a proposed AD facility in Broxbourne using the ADMS-5 model, including stack-height testing to assist with plant design.

**Odour Risk Assessment of a Waste Water Pumping Station, Folkestone (2014)**

Assisted with the preparation of an odour impact risk assessment for a waste water pumping station in Folkestone, Kent.

**Odour Assessment of a Food Flavourings Factory, Tonbridge (2014)**

Responsible for the preparation of an odour impact assessment for a food flavourings factory in Tonbridge using the ADMS-5 model.

**Odour Assessment of a Dairy Effluent Treatment Plant, Belfast (2014)**

Responsible for the preparation of an odour assessment of a dairy effluent treatment plant in Belfast. Included at-source odour sampling, as well as compiling, running and analysing data for the AERMOD model.

**Odour Assessment of a Proposed Expansion to a Sewage Treatment Works, Gloucestershire (2013)**

Responsible for the preparation of an odour assessment of a sewage treatment works in Gloucestershire. Included at-source odour sampling, compiling, running and analysing data for the AERMOD model, as well as iterative modelling techniques for possible expansion scenarios.

**Odour Assessment of a Dairy Effluent Treatment Works, Londonderry (2013)**

Responsible for the preparation of an odour assessment of a dairy effluent treatment plant in Londonderry. Included at-source odour sampling, as well as compiling, running and analysing data for the AERMOD model.

**Odour Abatement Plant Efficiency Assessment, Swindon (2012)**

Responsible for the preparation of an odour abatement plant efficiency assessment for a number of systems across Swindon.

**Odour Assessment of a Chewing Gum Facility, Poland (2010)**

Contributed to the assessment of odour emissions from a chewing gum factory in Poland. The study also involved the continuous assessment of volatile organic compounds using flame ionisation detection techniques.

## Best Available Techniques (BAT) Assessments

**BAT Assessment of a Dairy Effluent Treatment Plant, Belfast (2014)**

Responsible for the preparation of a BAT assessment of a dairy effluent treatment plant in Belfast following a detailed odour assessment.

**BAT Assessment of a Dairy Effluent Treatment Plant, Londonderry (2013)**

Responsible for the preparation of a BAT assessment of a dairy effluent treatment plant in Londonderry following a detailed odour assessment.

## Bioaerosols

**Bioaerosol Sampling Study across Seven Composting Facilities, UK (2013)**

Contributed to the development and standardisation of at-source bioaerosol sampling techniques both isokinetically from ducts and from open/area sources.

**Ambient Bioaerosol Sampling Study of an In-Vessel Composting Facility, Reading (2013)**

Responsible for an ambient bioaerosol assessment for a composting facility and preparation of a detailed report.

## Miscellaneous

**Chemical Speciation Assessment, Synergy, China (2013)**

Responsible for collecting and preparing air samples for GC-MS analysis, and preparing a subsequent detailed report.

**Particulate and Grease Assessment, Kirkham (2013)**

Responsible for the isokinetic collection of particulates and grease particles from various ducted sources serving a food manufacture process.

**Chemical Speciation Assessment, London (2011)**

Responsible for the assessment of nuisance odours within an office building, and preparing a detailed subsequent report.

**Hydrogen Sulphide Mapping Study, Gloucestershire (2011)**

Responsible for the investigation and mapping of hydrogen sulphide concentrations across a sewage treatment works. Included at-source hydrogen sulphide mapping, as well as compiling and visualising data using the MapInfo and Surfer GIS programs.