



# ALKALI ENVIRONMENTAL CONSULTANTS

We Handle Compliance You Grow



UKAS & MCERTS Accredited Testing Laboratory No. 24303



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# ABOUT US

Alkali Environmental is a UKAS and MCERTS accredited testing laboratory (No. 24303) providing accredited emissions monitoring, environmental assessments, and compliance support across the UK.

Founded as an air quality specialist consultancy, Alkali has grown to deliver full environmental services including dust, noise, odour, vibration, and permitting support. Our clients range from property developers and architects to major industrial operators and local authorities.

We use the latest monitoring and modelling technology to generate defensible, regulator-approved data for planning applications, permit submissions, and operational compliance. Our consultants have direct regulatory experience and ensure every report meets the standards required by the Environment Agency and local planning authorities.

Our role is clear: provide accurate evidence, fast reporting, and practical solutions so projects remain compliant, on time, and cost-effective

Accredited & Defensible Data

Nationwide Coverage

## WHY WORK WITH US?

Specialists Who Understand Regulators

Fast, Reliable Turnarounds

# AIR QUALITY & EMISSIONS

Air quality is now one of the most scrutinised factors in planning and environmental permitting. projects without credible assessments risk refusal, redesign, or enforcement action.

## OUR SERVICES:

- ✓ **MCERTS Stack Emissions Monitoring** – Accredited testing for industrial permits.
- ✓ **Continuous Emission Monitoring Systems (CEMS)** – Installation, audits, and compliance support.
- ✓ **Medium Combustion Plant Permitting & Monitoring (MCPD)** – Ensuring compliance with MCPD requirements.
- ✓ **Ambient Air Quality Monitoring** – Short and long-term monitoring using diffusion tubes, pumps, or automatic stations.
- ✓ **Indoor & Breathing Air Quality** – Ensuring safe workplace and confined-space conditions.
- ✓ **Air Quality Assessments** – Mandatory for many planning applications.
- ✓ **Air Quality Screening Assessments** – Early-stage checks to prevent costly redesigns.
- ✓ **Air Quality Neutral & Positive Assessments** – Meeting London and national policy requirements.
- ✓ **Air Quality Risk Assessment For Permits** – Essential evidence for EA submissions.
- ✓ **Dispersion Modelling (Air & Odour)** – Predictive Modelling of Pollutants and Odour Travel.
- ✓ **Air Quality Design Input** – Early-stage design support to embed compliance.
- ✓ **Air Quality Damage Cost Assessment** - Puts a financial value on the impact of air pollution so developers can fund mitigation and meet planning requirements.

## WHY CLIENTS CHOOSE US

- Avoids planning refusal and permit rejection
- Provides defensible, accredited data regulators rely on
- Protects health, environment, and reputation
- Saves time and money by preventing late-stage changes

## POTENTIAL INDUSTRIES

- Architects & planners
- Local authorities & government bodies
- Industrial, manufacturing & chemicals
- Waste, energy & utility companies



# DUST, CONSTRUCTION & SITE SERVICES

Dust emissions are a major planning concern and can lead to complaints, delays, and enforcement if not managed effectively.

## OUR SERVICES:



**Construction & Demolition Assessments** – Identifying risks before work begins.



**Construction Dust Monitoring** – Real-time measurement of particulate emissions.



**Boundary Monitoring** – Ongoing checks to protect surrounding communities.



**Construction Environmental Management Plans (CEMP)** – Planning condition requirement for most major sites.



**Operational Dust Impact & Exposure Assessments** – Assessing long-term operational risks.



**Dust Management Plans** – Mitigation and control measures to satisfy regulators.

## WHY CLIENTS CHOOSE US

- Keeps developments compliant with planning conditions
- Prevents costly work stoppages or enforcement
- Provides evidence to satisfy regulators and stakeholders
- Protects both workers and local communities

## POTENTIAL INDUSTRIES

- Property developers & construction companies
- Local authorities & government bodies
- Architects & planners



# NOISE & VIBRATION

Noise and Vibration are among The Most Common Causes of Planning Refusal and Community Complaints. Regulators Expect Detailed, Defensible Assessments to Prove Your Development Won't Breach Limits or Cause Nuisance.

## OUR SERVICES:



**Architectural Acoustics** – Ensuring building designs meet sustainability and health standards.



**Construction Noise & Vibration** – Assessments for planning and mitigation strategies during works.



**Noise Modelling** – Predictive modelling to identify risks before construction.



**Noise & Vibration Impact Assessments** – Required to satisfy planning conditions and permits.



**Noise & Vibration Monitoring** – Real-time site monitoring to prevent breaches.



**Noise At Work Assessments** – Protecting workers and ensuring compliance with HSE limits.



**Environmental Noise Monitoring Assessments** – Evidence for planning and permit submissions.



**Occupational Noise Surveys** – Safeguarding health and reducing liability.



**Acoustics Consultancy** – Tailored advice to minimise impacts and enhance compliance.

## WHY CLIENTS CHOOSE US

- Reduces risk of planning rejection or costly delays
- Prevents complaints, enforcement, and reputational harm
- Provides defensible, regulator-approved data
- Protects both workforces and communities

## POTENTIAL INDUSTRIES

- Architects & planners
- Local authorities & government bodies
- Property developers & construction companies
- Landowners, housing associations & commercial property managers



# ODOUR & SOLVENT MANAGEMENT

Odour is one of the leading causes of community complaints and ea enforcement. Sites without robust odour management face fines, restrictions, or even closure. Solvent use is also tightly regulated, requiring evidence-based control plans.

## OUR SERVICES:

**IAQM Odour Impact Assessments** – Compliant with institute of air quality management methodology.

**H4 Odour Impact Assessments** – EA guideline-based assessment for permit approvals.

**Kitchen Odour Assessments** – Essential for catering, hospitality, and food production sites.

**Odour Management Plans** – A frequent requirement of environmental permits.

**Site Odour Surveys** – On-the-ground checks to support planning or compliance.

**Odour Complaint & Nuisance Investigation** – Rapid response to community or EA concerns.

**Odour Dispersion Modelling** – Predicting odour spread to avoid planning refusal.

**MCERTS Odour Monitoring (EN 13725)** – Accredited odour sampling and analysis.

**UKAS Accredited Composition Analysis** – Providing deeper insight into emissions.

**Fugitive Emissions Monitoring** – Identifying and quantifying uncontrolled odour sources.

**Solvent Management Plans (SMP)** – Required for sites using solvents under permit conditions.

**Mitigation Advice** – Practical solutions to resolve odour and solvent issues.

## WHY CLIENTS CHOOSE US:

- Prevents complaints, enforcement, and permit breaches
- Ensures regulators receive compliant, accredited evidence
- Reduces risk of operational restrictions or shutdowns
- Protects business reputation and continuity

## SOME INDUSTRIES THIS MAY BE FOR:

- Industrial, manufacturing & chemicals
- Waste, energy & utility companies
- Local authorities & government bodies
- Landowners, housing associations & commercial property managers

# ENVIRONMENTAL CONSULTANCY & COMPLIANCE

Regulatory compliance is becoming increasingly complex. Submitting incomplete, late, or poorly prepared documentation can result in permit refusal.

## OUR SERVICES:

**Environmental Permitting** – New applications, variations, and permit support.

**Environmental Risk Assessments (H1, SCAIL, D1)** – Required for EA submissions to assess pollution risks.

**H1 Stack Height Determination** – Ensures emissions disperse safely, following ea methodology.

**Best Available Techniques (BAT) Assessments** – Critical for compliance with the industrial emissions directive.

**Environmental Impact Assessments (EIA) / Environmental Statement Chapters** – Supporting major developments and planning submissions.

**Air Quality Design Input** – Embedding compliance considerations early in project design.

**Environmental Management Systems (EMS, ISO 14001)** – Practical frameworks to improve compliance and efficiency.

**Occupational Monitoring / Hygiene** – Protecting employees by measuring workplace exposures.

**Lighting Assessments** – Including daylight, overshadowing, artificial lighting, and night-time light pollution.

## WHY CLIENTS CHOOSE US:

- Prevents permit refusal and planning rejection
- Provides complete, regulator-ready documentation
- Avoids enforcement action, fines, and costly redesigns
- Delivered by consultants with direct environment agency experience

## SOME INDUSTRIES THIS MAY BE FOR:

- Local authorities & government bodies
- Industrial, manufacturing & chemicals
- Waste, energy & utility companies
- Property developers & construction companies



## CONTACT US

Environmental non-compliance can lead to fines, delays, and reputational damage. Alkali environmental provides the expertise, accredited testing, and clear reporting you need to stay ahead of regulations and keep your projects moving.

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Our team of consultants is ready to discuss your project and provide tailored solutions. Contact us directly or request a callback online for fast, expert support.

