



Asbestos
Asbestos in Soils
Legionella
Water Hygiene
Occupational Hygiene
Health and Safety
Fire Safety
Lab Services
Training



Airborne Environmental Consultants Ltd.

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Company Registration Number 3442515

Surveying and Inspections

Air Monitoring

Project Management

Asbestos Sample Analysis

Asbestos in Soils

Training

Introduction

Airborne Environmental Consultants Ltd (AEC) is an independent health, safety and environmental consultancy established in 1997.

Do you have asbestos that needs to be managed? Or do you need your building or land surveyed for asbestos?

As a specialist asbestos consultancy, with over 22 years' experience in the field, we are world leaders in asbestos control and management and we can support all types of organisations.

Our experienced team can manage the whole process to ensure your site is fully compliant and safe. Our processes cover asbestos identification, recommendation, removal and remediation.

Our in-house laboratories which are UKAS accredited to ISO 17025, have the latest equipment, meaning we can control response times and turnaround is always quick and efficient.

AEC offer the following range of asbestos management services to assist you with your organisation's needs;

- Surveying and inspections
- Air monitoring
- Project management and asbestos removal
- Asbestos sample analysis
- Asbestos in soils
- Training courses
- Web portal service
- Expert witness



Surveying and Inspection Services

Management survey

A management survey is an asbestos survey required to safely manage asbestos and comply with Regulations 4 of CAR 2012. Its purpose is to locate, so far as reasonably practicable, the presence and extent of any suspect asbestos containing materials (ACMs) in the building which could be damaged or disturbed during normal occupancy, including foreseeable maintenance and installation, and to assess their condition.

The area inspected should include all areas of the building, such as floor coverings, above false ceilings (ceiling voids), lofts, inside risers, service ducts and lift shafts, basements, cellars, underground rooms, and undercrofts.

A management survey includes an assessment of the condition of the various ACMs and their ability to release fibres into the air if they are disturbed.

Management surveys can involve a combination of sampling to confirm asbestos is present or presuming asbestos to be present, and AEC recommends that samples are taken as part of the management survey.

All inaccessible areas shall be presumed to contain asbestos until in-depth asbestos surveys are conducted to prove otherwise.

This type of asbestos survey allows duty holders / owners and occupiers to safely manage asbestos in compliance with Regulation 4 of the Control of Asbestos Regulations 2012. It also allows social housing providers to comply with the risk assessments as outlined in Regulation 5 of the Control of Asbestos Regulations 2012.

Asbestos reinspections

Under Regulation 4 'Duty to Manage', you are required to regularly inspect any known asbestos containing materials in your building and keep records up to date. It is recommended inspections should be carried out as part of your asbestos management plan.

AEC can carry out a regular reinspections to ensure your site is safe and compliant.

We have many years' experience completing reinspections across a wide portfolio of complex buildings such as hospitals, housing associations and their communal areas, commercial properties and schools. On average we survey over 2500 properties annually.

Refurbishment / Demolition survey

A refurbishment and demolition survey is required before any refurbishment or demolition work is carried out.

This type of asbestos survey is used to locate and describe, as far as reasonably practicable, all ACMs in the area where the refurbishment work will take place, or in the whole building if demolition is planned. The level of competence and knowledge needed to conduct surveys is much greater than a management survey, and the intrusive nature of the survey presents increased health and safety risks.

Gaining full access is intrusive and extends the management survey to include investigations into reasonably and safely accessible sealed voids and the fabric of the building. This will involve breaking through partition walls, ceilings etc. to confirm the presence or absence of asbestos, and significant damage to fixtures, fittings and parts of the building occurs.

In some situations, where concrete or brickwork requires removal, advice may have to be sought from a competent person, such as a structural engineer. As a consequence, refurbishment and demolition surveys should only be conducted in unoccupied areas to minimise risks to the public or employees.

There may be some circumstances where the building is still 'occupied' at the time a 'demolition' survey is carried out. For example, in the educational sector where refurbishment/demolition surveys may be conducted in schools or colleges during one holiday, and the work not undertaken until the next holiday period.

In the case of all surveys: an asbestos survey team shall not disturb any suspected asbestos installation in any other way than to take a representative sample (which is usually no bigger than a thumbnail). This measure is designed to minimise the risk of asbestos fibre release to both survey staff and occupants of the building, but also means that the surveyor cannot assess what materials may be present above or behind a suspected asbestos installation.

Furthermore, the removal of an asbestos installation to investigate behind could become a licensable activity and may require the assistance of a licensed removal contractor to carry out such an investigation.

**For asbestos management advice
please call**
AEC North: 0161 872 7111
AEC South: 0203 384 6175

Air Monitoring

AEC is UKAS accredited to ISO 17025 and has a dedicated analytical team offering a fast response service, 24 hours a day, all year round.

The team is led by a senior analyst working in close partnership with consultants in order to deliver a professional service.

With a strong reputation for consistency and quality, AEC aligns with the asbestos removal contractor to ensure the project is completed on time, on budget and to the highest possible standard.

Asbestos air monitoring - What we do

- Quality assured four-stage clearances, leading to a certificate of reoccupation.
- Reassurance air tests.
- Leak air tests.
- Background air tests.
- Personal asbestos air monitoring.

All AEC air monitoring asbestos team members carry out four-stage clearance procedures and hold a minimum of the 'British Occupational Hygiene Society' (BOHS) qualifications:

1. P403 Asbestos Fibre Counting (PCM); and
2. P404 Air Sampling of Asbestos and MMMF and Requirements for a Certificate of Reoccupation Following Clearance of Asbestos.

Quality assured: fibres

All asbestos air monitoring consultants are routinely audited in line with UKAS accreditation requirements and participate in the Regular Interlaboratory Counting Exchange (RICE) Scheme in which AEC maintains Category 1 status.

For emergency analytical cover call our out of hours contact 07899 792 860



Project Management

AEC has a number of years' experience dealing with asbestos removal contractors and projects and will plan for predictable areas of difficulty and work with all parties on site to ensure safety and understanding of the entire asbestos removal process.

Asbestos project management is a core business activity for AEC - projects can be tailored to suit each venture, taking into consideration the safety, risk, operational requirements and budgetary constraints of the project. We do not remove asbestos but work alongside licensed asbestos removal contractors on a daily basis.

Our asbestos project management services can save you money, whilst ensuring your project follows all relevant health and safety regulations, operational requirements and meets both the programme and budget requirements.

To arrange a free consultation to discuss how we can help you with asbestos management, please call
AEC North: 0161 872 7111
AEC South: 0203 384 6175
or email:
customersupport@aec.uk.net

When dealing with asbestos, there are always challenges and areas of difficulty. We can help you plan for this and establish protocols to ensure they are managed safely.

Asbestos project management includes:

- Writing a specification of works.
- Tender management / review of submissions for competence and financial performance.
- Vetting method statements and plans of work.
- Document audits.
- The provision of fully qualified analysts on site for the full duration.
- Site management to ensure projects are delivered on time and in budget.
- Final completion reports, encompassing all elements of the project. This may also be held in the site health & safety file.

Asbestos Sample Analysis

AEC laboratories offer a flexible, reliable service and understand the demands of your project. They are located within our Manchester and Essex offices and are UKAS accredited to EN ISO 17025 for 'asbestos sample analysis'.

We provide our customers with:

- An express service - samples analysed within 4 hrs (If delivered before noon)
- Non-urgent projects are sampled within 7 days
- Working hours - Monday to Friday 8am to 4.30pm
- 24hr drop off service in Manchester and Essex
- Asbestos in soils services
- Collection service at your site

If you would prefer to drop off samples we recommend that:

- Each sample must be individually double bagged in a clear, sealable bag.
- Samples are no bigger than a 50p pence piece.
- The bag is addressed with where the sample has been taken from and location within the property (kitchen floor, lounge ceiling etc.).

We pride ourselves on a high standard of service and are 1 of 3 UK laboratories that participate in all three proficiency testing schemes - Regular Inter-laboratory Counting Exchange (RICE) Scheme, Asbestos in Materials Scheme (AIMS), and Asbestos in Soils Scheme (AISS).



Frequent users of the laboratory

A web-based reporting service is available for those customers requiring our services on a frequent basis and who need fast results.

Asbestos in soils

We are UKAS accredited to EN ISO 17025 to analyse soils, sediments and aggregates and offer a range of asbestos in soils services, including inspection and testing, and on-site services, and can also test for other soils contaminants.

Soils inspection and testing

AEC offers soils testing and inspection for asbestos at our in-house laboratory in Manchester, carrying out the three stages of testing:

Stage 1 Initial bulk analysis

Stage 2: Quantification, i.e. Percentage asbestos in sample

Stage 3: Quantification of free fibres

We can also test for other contaminants via our approved partners, giving you one point of contact for your soils analysis requirements.

Site surveys

AEC offers a number of soils services to support you during your construction phases.

Working with your preliminary report/findings, we can carry out site surveys and air monitoring and also provide a project manager to work with you to manage/assess the site where asbestos is concerned.

Two-stage approach;

1. Surface assessment for potential asbestos materials on the surface of the land.
2. Working to an agreed method/ preliminary report within a gridded plan/trial pits.

- Air testing on-site during land remediation projects for asbestos airborne fibres.
- Technical project manager to assess the findings of the results/ further analysis.
- AEC can work with agreed partners to support the asbestos removal process.

Soils Training Courses

Asbestos awareness for soils and construction and demolition materials

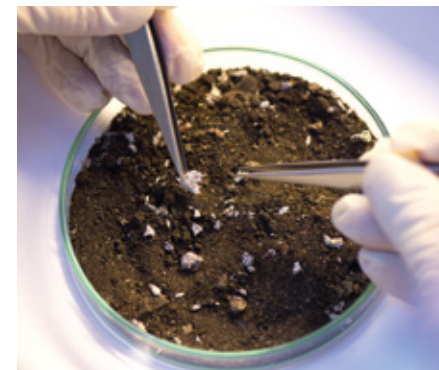
The content of this course is designed to provide anyone whose work could foreseeably expose them to asbestos with sufficient knowledge to avoid putting themselves or others at risk, in line with regulatory requirements laid out in Control of Asbestos Regulations 2012, and specifically for those working on land with potential asbestos-contamination.

Duration 1/2 day

Non-licensed training for land remediation contractors

We have developed the non-licensed training to cover work for land remediation contractors working on asbestos-contaminated sites.

Duration 1 day



Asbestos in soils and contaminated land

This course offers an overview of asbestos in soils and application of CAR 2012, including risk assessments for land development. It is suitable for land developers, clients, local authority staff, construction companies, licensed asbestos removal contractors, asbestos consultants and managers.

Duration 1 day

P408 - Identification and Quantification of Asbestos in Soils using PLM and PCM

This course is ideal for those who undertake qualitative and quantitative analysis of asbestos in soils for the purpose of assessing land and ground contamination prior to remediation. The course details the analytical procedures contained in the Environment Agency's 'Blue Book'. Candidates for this advanced analytical course must already hold the P401 and experience of asbestos fibre counting would be advantageous.

Duration 4 days

Training Courses

As one of the leading providers of proficiency qualifications for asbestos and Legionella training, AEC provides hands-on practical training, preparing delegates for the real world.

What to expect from our training courses

- Practical training pods, laboratories and classrooms
- Hazard House training facility with over 180 mock-asbestos product locations and a full size asbestos removal enclosure in Manchester.
- Consistently high pass rates.



- An online booking system that allows you to manage your courses 24/7.
- A team of experienced trainers with over 38 years of industry knowledge.
- Bespoke training that is tailored to suit your business needs and can be delivered at any time, in any location.

Asbestos courses

- BOHS P400 range
- BOHS International IP400 range
- IATP/UKATA Asbestos awareness
- IATP/UKATA Non-Licensed work with asbestos
- Asbestos awareness for soils and construction and demolition materials
- Asbestos in soils and contaminated land
- Non-licensed training for land remediation contractors
- Asbestos awareness e-Learning

**Book online at aec.uk.net/training
email: training@aec.uk.net or call
AEC North: 0161 872 7111
AEC South: 0203 384 6175**

Web Portal Service

Our asbestos information management web portal service is a user-friendly, interactive system allowing secure 24/7 access to all your asbestos reports and data.

Using the latest mobile technology, the AEC web portal provides accurate and real-time data, keeping pace with everyone's need for improved speed, availability and accessibility.

From initial enquiries, appointments, through to air monitoring reports, asbestos report production, asbestos register generation and invoicing, the web portal system is:

- Cost-effective
- Real-time
- Auditable
- Available 24/7
- Secure
- Provides unlimited client log ins



Portal features

Appointments - Work is managed with built-in work scheduling and appointment booking.

Samples and reports - With the samples analysed and approved, asbestos registers can be generated automatically and survey reports are viewable and downloadable.

Invoicing and statements - All invoices can be viewed and downloaded.

Onsite - Onsite surveying and air testing is performed by the analyst onsite and using the latest technology all the data is transmitted to the portal.

Asset by risk - Clients can organise their property portfolio in order of asbestos risk, location, or required activity i.e. 5th floor of building A needs remedial action.

Expert Witness

Our experts have over 65 years' experience in the asbestos industry and extensive experience in providing evidence to the court in both criminal i.e. for defendants in prosecutions, and civil i.e. for the claimant or defendant in private proceedings.

AEC's experts understand the history of asbestos, its uses, its regulatory history, and its epidemiology and can therefore provide technical analysis and advice in these areas:

- Control of Asbestos Regulations 2012.
- RIDDOR 2013.
- CDM 2015 concerning duties around asbestos.
- COSHH 2002 (as amended) (Legionella)
- Management of Health and Safety at Work Regulations 1999 (Legionella).

Our experienced team can provide assistance with report writing, onsite investigations, reviewing witness statements, breaches of legislation, meeting and court attendance.

If you believe your organisation needs a qualified expert witness, please contact our friendly support team who will ensure you speak to the right person privately and confidentially.

Manchester 0161 872 7111

London 0203 384 6175



Darren Evans
Technical Director

An experienced consultant with over 28 years' of UK and International asbestos and health and safety knowledge.



Bob Harris
Technical Director

A published industry expert with 38 years' of asbestos management and consulting experience.



Chris Inwood
Principal Legionella Consultant

Chris has over 30 years' experience in his field of Legionella and Water hygiene.



ASBESTOS



LEGIONELLA



SOILS TESTING, INSPECTION
& ON-SITE SERVICES



WATER HYGIENE



TRAINING



HEALTH & SAFETY



OCCUPATIONAL HYGIENE



FIRE SAFETY