

The background features a close-up of hands holding dark soil, overlaid with a topographic map pattern of white contour lines and small white plus signs. The color gradient transitions from green on the left to purple and blue on the right.

**CLÉAIRE**

**Training  
Courses**

# Courses

CL:AIRE provides a wide range of training courses for professionals working in brownfield land regeneration. Courses are grouped by subject area below — [click a course title to learn more and book.](#)

## Asbestos in Soil

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## Risk Management

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## Site Characterisation

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## Site Monitoring, Sampling and Verification

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## Soil Management

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## Who should attend this course?

Professionals dealing with land impacted by asbestos: consultants, contractors, developers and regulators.

## Key learning highlights:



Understand legal requirements under Control of Asbestos Regulations (CAR) 2012 and compliance essentials for land affected by contamination projects.



Apply CAR-SOIL guidance for land impacted by asbestos and practical application of industry standards.



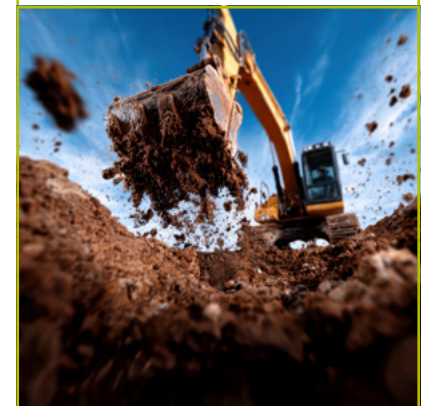
Gain insight into Health and Safety Executive approved practices ensuring health and safety compliance.



Ideal for environmental, construction, and waste management professionals working on and in asbestos impacted land.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“  
Has clarified a lot of the issues from designing/ specifying site investigation works on asbestos impacted land and remedial earthworks.  
”










# Non-Licensed Work for Land Professionals

## Who should attend this course?

Consultants, contractors, developers, waste operators, and regulators.

## Key learning highlights:

-  Risk assessment – How to make suitable and sufficient assessments about asbestos exposure in the ground.
-  Safe working practices & control measures – Correct use of controls, protective equipment & work methods.
-  Protective equipment – Selection & appropriate use.
-  Waste handling procedures.
-  Emergency procedures.
-  Relevant legal requirements.
-  Notifiable Non-Licensable Work (NNLW) – Circumstances when non-licensed work must be notified.

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“  
Made me re-evaluate the response to any asbestos containing materials (ACM) encountered during site works. Taking more precautions when dealing with ACMs.  
”



# Assessing Contamination Risks to Ecosystems

## Who should attend this course?

This course is designed for land practitioners, environmental consultants, contractors and regulators.

## Key learning highlights:



Introduction to ecological risk assessment (ERA) for land contamination, including considerations for surface waters and sediments.



Relevance of ERA to biodiversity and environmental policies.



Recognising how pollution affects ecosystems.



Understanding why it is important to protect and restore nature?



What is ERA and ecotoxicology?

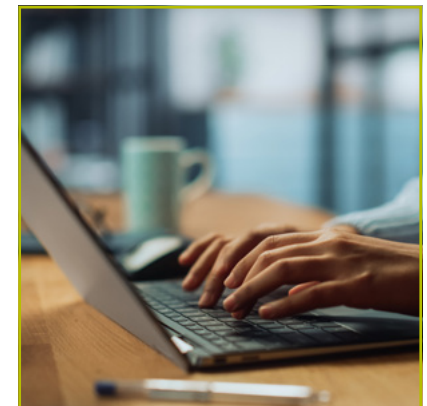


How to assess eco-risk using an ERA framework approach.



What's next for nature and pollution?

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)









# Good Practice for Risk Assessment for Coal Mine Gas Emissions



## Who should attend this course?

Geo-environmental practitioners, developers and local authority regulators.

## Key learning highlights:

-  Gas hazards affecting development over old coal mines.
-  Influence of mining methods on gas risks.
-  Sources of gas in abandoned mines.
-  Factors influencing mine gas emissions.
-  The mine gas risk assessment process.
-  Managing future changes and uncertainties.

“

I feel a lot more knowledgeable and confident in undertaking and interpreting mine gas risk assessments and identifying when these would be required.

”










To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

# Ground Gas Risk Assessment

## Who should attend this course?

Early and experienced career practitioners, geo-environmental consultants, remediation contractors and regulators.

## Key learning highlights:

-  Links directly to industry guidance.
-  How preliminary risk assessment determines need for gas monitoring.
-  Key elements of robust ground investigation design.
-  Using multiple lines of evidence to reduce/remove gas protection.
-  Advanced methods: ternary plots & gas flow modelling.
-  Continuous monitoring & advanced screening.
-  Real site examples shared.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“  
Very beneficial  
to first phases  
of ground  
investigation  
e.g. design of gas  
monitoring and  
interpretation.

”










# Introduction to Controlled Waters Detailed Quantitative Risk Assessment (DQRA)

## Who should attend this course?

Geo-environmental consultants, remediation contractors and regulators.

## Key learning highlights:

-  Understanding requirements for Controlled Waters DQRA.
-  Selecting the right approach for DQRA.
-  Contaminant fate and transport modelling in groundwater.
-  Essential data for groundwater DQRA.
-  Forward vs reverse modelling for risk assessment.
-  Deriving soil and groundwater criteria protective of controlled waters.
-  Assessing uncertainty in risk assessment.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“  
I will be much more confident in generating and reviewing DQRAs.  
”










# Introduction to Human Health Quantitative Risk Assessment (HHQRA)



## Who should attend this course?

Geo-environmental consultants, remediation contractors and regulators.

## Key learning highlights:

-  Principles behind HHQRA.
-  What the Contaminated Land Exposure Assessment (CLEA) model is and how it works.
-  How to derive generic assessment criteria using CLEA.
-  How different pathways in CLEA are modelled and key assumptions.
-  Using CLEA for advanced modelling for detailed quantitative risk assessments.
-  Bioavailability and bioaccessibility – how to address these using CLEA.
-  Health-based guidance values and an introduction to human health toxicology.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“  
I now have a better understanding of the CLEA model and how numbers are derived.

”



# Piling and Ground Improvement on Land Affected by Contamination – Effective Foundation Works Risk Assessment (FWRA)

## Who should attend this course?

Contractors, designers, contaminated land risk assessors, regulators, clients.

## Key learning highlights:



Undertake FWRA at various development stages.



Minimise work on low-risk sites & prioritise critical areas for assessment.



Understand risks with piling & ground improvement methods. Identify and mitigate potential hazards.



Mitigation strategies. Practical solutions to reduce contamination risks.



Requirements during construction – compliance and safety considerations.



Design effective monitoring regimes where required, ensure ongoing risk management and performance tracking.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“

I feel much more comfortable knowing about the updated guidance and the changes in risk assessment particularly the pollution scenarios.

”



# Developing Advanced Conceptual Models for Contaminated Sites

## Who should attend this course?

Industry practitioners, geo-environmental consultants and regulators involved in the evaluation and remediation of contaminated sites.

## Key learning highlights:



Role of data visualisation and modelling. How visual tools enhance understanding and decision-making.



Communicating conceptual site models (CSM). Effective strategies for sharing complex information.



Conceptualising geological and hydrogeological data for different environmental settings.



Evaluating contaminant mass and phase distribution. Understanding transport mechanisms and natural attenuation.



Assessing complex contaminant linkages including non-aqueous phase liquids, gas, vapour and dissolved phase plumes.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“

I now have a greater understanding on factors that should be considered as part of CSM development.



# Managing Contaminated Sites Using Monitored Natural Attenuation and Natural Source Zone Depletion



## Who should attend this course?

Industry practitioners, geo-environmental consultants and regulators involved in the evaluation and remediation of contaminated sites. Attendance in this course requires prior completion of the Developing Advanced Conceptual Models for Contaminated Sites course.

## Key learning highlights:



Decision-making processes to assess Monitored Natural Attenuation (MNA) or Natural Source Zone Depletion (NSZD) viability– including transition assessment.



Application of advanced methods assessing degradative processes. Techniques for contaminant breakdown and predictive modelling.



Compound Specific Isotope Analysis and related analytical techniques.



Molecular Biological Tools for understanding microbial processes.



Characterising NSZD and monitoring approaches. Key strategies for effective evaluation.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“  
I feel better equipped to apply the concepts of MNA/NSZD and to ensure sites are applying these concepts appropriately.”






# Principles and Practice of Sustainable Remediation

## Who should attend this course?

Geo-environmental consultants, remediation contractors, and regulators.

## Key learning highlights:

-  UK regulatory context for sustainable remediation.
-  Sustainable Remediation Forum-UK framework.
-  Selecting sustainability indicators.
-  Tier 1 qualitative sustainability assessment.
-  Introduction to multi-criteria analysis.
-  Life cycle assessment & carbon footprinting.
-  Sustainable remediation practices.
-  Climate change & resiliency.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)



# Statistics for Land Contamination

## Who should attend this course?

Land contamination professionals making decisions based on soil data.

## Key learning highlights:



Based on CL:AIRE guidance: Comparing soil contamination data with a critical concentration.



Using recommended statistical tools to interpret soil contamination data.



Creating & interpreting histograms, dot plots, and box plots in Excel. Calculating & interpreting confidence intervals.



Drawing conclusions from data using multiple approaches.



Real-life case studies and practical exercises.



Advanced topics: central limit theorem, alternative confidence intervals, data types & sample size, spatial correlation.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“

The course has provided me with a better understanding of statistics and will help me better design site investigations and improve evaluation of data.

”









# Ground Gas Protection Verification

## Who should attend this course?

Geo-environmental consultants, developers, house builders and building contractors.

## Key learning highlights:

-  Intended philosophy and understanding the core principles for ground gas guidance.
-  Links between industry guidance documents.
-  A risk-based approach to verification – ensuring compliance and safety, and the verification procedures.
-  Visual inspection – key indicators during site checks.
-  Methods of integrity testing and good practice requirements – ensuring robust protective measures.
-  Documenting findings and compliance in verification reporting.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)



# Groundwater Monitoring and Sampling

## Who should attend this course?

Early and experienced career practitioners, geo-environmental consultants, remediation contractors and regulators.

## Key learning highlights:



The role of monitoring and sampling within the overall scope of works including standards, conceptual site model, health, safety, environment and quality.



What are representative samples. Development and well purging strategies.



Monitoring & sampling techniques. Best practices for accurate data collection.



Supporting suppliers, record keeping by understanding supplier roles and documentation.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“  
It has provided me with additional thoughts and points to question why equipment is being used and it was a good overview on everything groundwater.”



# Practical Aspects of Ground Gas, Vapour and Water Monitoring & Sampling

## Who should attend this course?

Early career practitioners, geo-environmental consultants, remediation contractors and regulators.

## Key learning highlights:



The role of monitoring and sampling within the overall scope of works, including conceptual site model, safety, health, environment, and quality.



Gas & vapour monitoring – How to perform gas and vapour monitoring & sampling.



Water monitoring – How to perform water monitoring & sampling.



Supporting suppliers & record keeping. Understanding supplier roles and the documentation.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)

“  
I got to know  
the correct  
specification  
and proper  
instruments that  
are required for  
specific jobs and  
would improve my  
understanding.”



# Soil Passport Scheme (Definition of Waste: + +) Development Industry Code of Practice (DoW CoP)

## Who should attend this course?

Environmental managers, geo-environmental consultants, contractors, contaminated land officers/regulators, and Qualified Person applicants.

## Key learning highlights:



Key legislation, regulatory guidance, and liabilities.



Soil Passport Scheme (DoW CoP) scope, scenarios, and 4 key factors to apply the code effectively in real-world situations.



Materials Management Plans (MMPs) and evidence requirements. Plus contingency planning essentials.



Materials tracking, testing, and record keeping for verification and the requirements of the regulators.



Role of the Qualified Person (QP), QP declaration responsibilities and certification process.

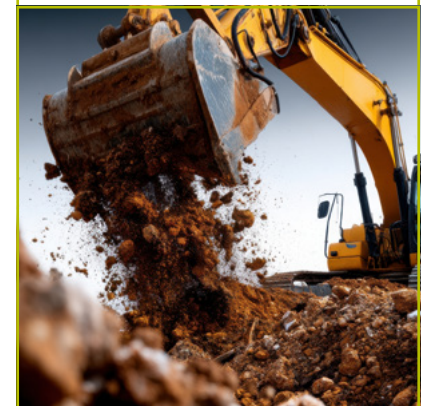


CL:AIRE audits and feedback. Ensuring continuous improvement and compliance.

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“  
Good understanding of preparing MMPs, information required and where to look for additional information.”

”



# Definition of Waste: Development Industry Code of Practice + Soil Passport Scheme (DoW CoP) Awareness

## Who should attend this course?

Developers, contractors and regulators.

Note: This course is NOT suitable if you wish to apply for Qualified Person status.

## Key learning highlights:



Introduction to the key legislation, regulatory guidance, and liabilities.



Soil Passport Scheme (DoW CoP) scope, scenarios, and 4 key factors to apply the code effectively in real-world situations.



Introduction to materials management plans, their importance and who prepares them.



Importance of materials tracking, testing, and record keeping for verification and the requirements of the regulators.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)








# Sustainable Materials Management

## Who should attend this course?

Developers, environmental and sustainability managers, site managers, geo-environmental consultants, main civils contractors and remediation/earthworks contractors.

## Key learning highlights:

-  Introduction to sustainable materials management.
-  Overview of materials reuse under the Soil Passport Scheme (DoW CoP) facilitating circular economy in construction.
-  Materials management plans – planning for efficient and compliant material use.
-  Contingency plans – preparing for unexpected challenges.
-  Materials tracking system – ensuring transparency and accountability.
-  Verification – confirming compliance and quality standards.

To discuss your training needs, email our team: [helpdesk@claire.co.uk](mailto:helpdesk@claire.co.uk)



# eLearning

## Remediation Technologies

- > These training courses provide information on options appraisal and nine remediation technology types, at a foundation and intermediate level.

## Soil and Groundwater Risk Assessment

- > Learn the key stages of the Land Contamination Risk Management (LCRM) process, focusing on the critical first step – risk assessment, which identifies pollutant linkages that may pose unacceptable risks.

## Sustainable Remediation Appraisal

- > This course provides a clear introduction to sustainable remediation – what it is, how the concept has developed, and why it matters. It also outlines the key frameworks, guidance and techniques used to apply sustainable remediation throughout a project's life cycle.

## Asbestos Awareness (full or refresher)

- > A CAR 2012-compliant course for managerial technical, and supervisory staff, providing essential guidance to help workers avoid disturbing asbestos in soil or construction and demolition materials.

## Introduction to Brownfield Site investigation

- > This course aligns with the National Brownfield Skills Framework and covers the preparation, implementation, testing & reporting of site investigation work to determine contamination & its impact on human health and the environment.



# In-house Training

**CL:AIRE offers in-house training for companies that require training for multiple employees.**

## **Benefits of in-house training:**

- > Allows the content to be adapted to a company's real-world projects, challenges, and processes.
- > Ability to address organisation-specific issues.
- > Higher impact on day-to-day operations.
- > More relevant examples.
- > Tailored to company-specific needs.
- > More cost effective for larger teams.
- > Saves time and minimises disruption.
- > Encourages team collaboration and discussion.
- > Standardised knowledge and reduces variability in how staff approach tasks.
- > Delegates feel more comfortable asking questions.
- > Sessions often spark internal problem solving.
- > Teams build shared understanding and accountability.
- > Sensitive or company-specific topics can be addressed without concern.
- > Shows investment in staff growth.

**More information can be found on the website:**

**To arrange in-house training, please complete the form:**

