

Contaminated Land training courses

Atkins - voted by clients and consultants as best overall environmental consultancy for five years running

Human Health Risk Assessment

CLEA 1.06 – Basic Mode

This is a one-day course facilitated by the individuals who provided technical support to the Environment Agency during development of CLEA, including audit of the CLEA v1.04 software. The course is intended for people who wish to use the software in basic mode to derive generic assessment criteria or those who have limited knowledge of the new guidance. The course includes interactive use of the software, group discussions and exercises to give the delegate a sound introduction to the theory and operation of the software in basic mode.

CLEA 1.06 – Advanced Mode

This follow on one day course is facilitated by the individuals who provided technical support to the Environment Agency during development of CLEA, including audit of the CLEA v1.04 software. This course is intended for people who wish to use the model in site specific assessments. The course includes interactive use of the software, group discussions and workshops to give the delegate a detailed understanding of its application to non-standard land use scenarios. This course assumes the delegate has a sufficient basic knowledge of the new guidance - delegates are therefore required to attend the Basic Mode training course prior to attending the Advanced Mode training course.

Introduction to ATRISK^{SOIL} (including 12 months subscription)

For commercial clients who subscribe to ATRISK^{SOIL} - a one-day training seminar which explains the assumptions behind the derivation of the ATRISK^{SOIL} screening values, the process of ensuring consistency with the 2008 - 2009 guidance in effective and appropriate application of the values and their limitations. The seminar will also introduce three new land use scenarios, namely; parks, playing fields and open spaces. Local Authority subscribers to ATRISK^{SOIL} are also recommended to attend.

Toxicology

This 1-day course includes lectures, workshops and relevant case studies to demonstrate the application of toxicology in risk assessment. It provides an up to date, broad based grounding in the principles necessary for the toxicological evaluation of chemicals in the UK context (including TDIs, MDIs and Index Doses), with comparison to other significant national and international approaches.

Site Investigation

Robust Site Investigation Design, Implementation & Data Evaluation

This 1-day course is designed to equip practitioners with the necessary skills to design and implement a robust site investigation in accordance with current regulatory and industry best practice guidance. The course will focus on identifying the appropriate averaging areas, sampling pattern and density for a selection of case study scenarios. Particular attention will be paid to selecting the appropriate statistical tests to determine *representative* contaminant concentrations for comparison with the quality standard.

A Practical Guide to Vapour Intrusion

Vapour intrusion pathways to indoor air commonly become the risk-drivers for soil and groundwater assessment. Modelling approaches can greatly misrepresent the risks from vapour intrusion. This 1-day course is designed to provide an introduction to: modelling and measuring the vapour intrusion risk; soil gas sampling and assessment; methods to assess vapour intrusion rates to properties; and indoor air sampling and analysis.

Controlled Waters Risk Assessment

An Introduction to Concepts and Processes

The 2-day course is intended for people with limited knowledge of the subject. The first day comprises an introduction to the basics of geology and hydrogeology. The second day discusses how to develop a Conceptual Site Model (CSM) and culminates in the completion of a Qualitative Risk Assessment for a case study site.

Application of Quantitative Risk Assessment

This 2-day follow-on course provides an introduction to controlled waters Quantitative Risk Assessment (QRA). The first day includes a discussion on developing quantitative CSMs with demonstration of complex examples. A CSM for a case study site will be developed by the delegates. The following day the case study CSM is applied to a QRA by the delegates using P20 and ConSim.

Remediation/Waste

Remediation Options Appraisal and Strategy Statements

This 1-day course is designed to enable the attendee to undertake a robust Remediation Options Appraisal for each relevant pollutant linkage (RPL) identified at QRA stage. This will include a comprehensive introduction to a selection of the key process-based remediation technologies and their applicability to a number of case study RPLs. The course will also focus on the requirements of a Remediation Strategy document prepared to gain stakeholder approvals for proposed remedial schemes.

Waste and Surplus Soil Characterisation, Classification and Pre-treatment Options

This 1-day course considers the influence of the Landfill Directive and the Hazardous Waste Regulations on the brownfield regeneration sector. The course will focus on the methodology for the detailed assessment and characterisation of waste and surplus soils, including the use of Atkins award winning Cat-Waste Soil tool.

Statistical Assessment

Statistical Assessment for Contaminated Land

This 1-day course is designed to equip practitioners with the necessary skills to understand when statistical methods are required and how they should be applied in the assessment of contaminated land. The ClEH/CL:AIRE document 'Guidance on Comparing Soil Contamination Data with a Critical Concentration' will be used to guide the day through a series of lectures and practical exercises. The day will focus on understanding and applying the concepts of outlier analysis, normality testing, different distributions and testing under planning and Part2A scenarios.

Courses 2010

Our courses are led by recognised experts in risk assessment, site investigation, waste management and remediation.

Atkins holds courses in various locations throughout the UK, but we can also run bespoke courses at your offices or in your local area for all those courses listed above. If you are interested please contact us to discuss.

"Well presented and professional"
Industry delegate

"My expectations were met & exceeded"
Local Authority delegate



*Geological Society
Endorsed Training on
selected courses*

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