SOIL MIX REMEDIATION TECHNOLOGY (SMiRT)
Stakeholder consultation workshop and dissemination event

Date: Wednesday 28th September 2011
Cost: Free, but registration essential
Location: Department of Engineering, University of Cambridge, Trumpington Street, Cambridge CB2 1PZ

Overview of Workshop

The aim of project SMiRT (Soil Mix Remediation Technology), which comes to an end in September 2011, was to develop, advance, validate and increase the uptake of soil mix technology in the remediation of contaminated land in the UK. The project involved soil mix technology equipment and software development and validation, laboratory treatability studies, large scale field trials, *in situ* testing, sampling and monitoring, laboratory testing of field samples and a range of dissemination activities.

This consultation workshop will provide an introduction to soil mix technology, describe the aims and objectives of project SMiRT and present results from the field trials. There will be ample opportunity to discuss the application of soil mix technology with the project team through an interative question and answer session. The workshop will finish with an informal lunch session which will give delegates further opportunity to network and discuss the technology.

Workshop Programme

09:30 - 10:00	Registration
10:00 - 11:30	Presentations on soil mixing to remediate contaminated land, aims of Project SMiRT, results of large scale field trials, and recommendations for future practice
11:30 - 12:00	Tea and Coffee
12:00 - 13:00	Questions and Answer Session
13:00 - 14:00	Lunch and Networking

Registration, Venue and Contact Details

This half day workshop is free of charge and includes lunch. Places are limited and early registration is advisable. Registration will be managed to ensure a diverse range of stakeholder sectors is present. To register, please visit the CL:AIRE website (www.claire.co.uk) and complete the form online.

Delegates are encouraged to travel by train and the station is a ten minute walk from the Department. If you do drive, please note there is no parking at the venue. Whenever possible please use 'Park & Ride' sites instead of bringing your car into the city centre.

If you have any questions please contact Rob Sweeney at CL:AIRE on 020 7258 5321 or email rob.sweeney@claire.co.uk

Background to Project SMiRT

Soil mix technology applied to the *in situ* remediation of contaminated land involves the use of mixing augers and additives to construct permeable reactive in-ground barriers and low-permeability containment walls, and for "hot-spot" soil treatment by stabilisation/solidification. The project aims to achieve technical advancement and cost-savings by developing an innovative soil mix technology system for integrated remediation and ground improvement.

The soil mix technology equipment employed in the project included the Trenchmix, Triple auger system, Allu mass stabilisation system and a range of single augers. A wide range of additives and binders were tested including: CEM I, CEM II, CEM III, GGBS, PFA, bentonite, zeolite, magnesia, organoclays and a range of modified bentonites.

Project SMiRT was the largest Technology Strategy Board* funded project (£1.24M) in its Contaminated Land Remediation Technologies funding call. The project is led by the contractor Eco Foundations, and involves Cambridge University, site owner Kelsdale, site managers OWM and Site Ops, consultancies Arcadis, Arup, Merebrook Consulting and NewFields, contractors HBR Ltd and WSP Remediation, trade associations MPA Cement and UK Quality Ash Association and materials suppliers Amcol Minerals Europe, Richard Baker Harrison, Kentish Minerals and Civil & Marine. The project team acknowledges the efforts of Bachy Soletanche and the British Urban Regeneration Association which made significant contributions to the project in its first three years. For further information, please visit www.smirt.org.uk

Who Should Attend?

This workshop will provide an overview of soil mix remediation technology and report the results from the SMiRT Project. It is also an opportunity for stakeholders to present their views and any concerns they may have on soil mix technology. The event should be of particular interest to consultants, contractors, construction firms, developers and any organisations involved in land management.

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