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## A Joint Evening Meeting on Contaminated Land with the Thames Valley Regional Group of the Geological Society

“Soil & Groundwater Remediation work at Harwell”

18<sup>th</sup> February 2010

The Environment Agency, Kings Meadow House, Kings Meadow Road, Reading, RG1 8DQ  
17:30 for 18:00 start

The evening will consist of two exciting papers presented by authors who are heavily involved in soil and groundwater remediation work at Harwell, and continues the theme of last year’s meeting on remediation work at AWE’s sites at Aldermaston and Burghfield.

**Paper 1) Dealing with chemical contamination on a nuclear licensed site**

Jon Blackmore CGeol MCIWEM CEnv  
Project Manager, Research Sites Restoration Limited

Groundwater contamination was identified in the chalk aquifer in the early 1990s in the vicinity of the Harwell nuclear site in Oxfordshire. The contamination, principally comprising chlorinated hydrocarbons, resulted from historical disposal practices. A major programme of work has been implemented to deal with the contamination. The presentation will cover highlights of the remediation works that have been undertaken, which as well as dealing with organic chemical contaminants, has involved remediation of radioactive contamination and unexploded munitions from the site’s earlier use as an RAF airfield.

**Paper 2) Unsaturated Zone Remediation at the Western Storage Area, Harwell. Remediation progress, achievements and lessons learnt**

Anna-Maria Kozłowska  
Senior Chemical and Environmental Engineer, Provectus Group Ltd

The presentation will cover experience in the application of Thermally Enhanced Soil Vapour Extraction (TESVE) technology at the Western Storage Area (WSA), Harwell. Tackling the unsaturated zone contamination at the WSA forms a key part of the groundwater remediation strategy at Harwell. The use of thermal conductive remediation technology for treatment of halogenated solvents in such complex hydrogeological conditions was an innovative approach, but was proven at pilot scale before being successfully extended to full scale. The speaker will also explain the wider technology applicability. In addition the newest microbial research results conducted at the site prior/during & following thermal treatment will be presented.#

There will be a charge of £3.00 for this meeting, payable on the door.

Coffee, tea and biscuits will be provided.

Please note that places will be limited and allocated on a first come first served basis.

Please book early to ensure your place.

Attendance at evening meetings counts towards CPD and Structured Training

*If you are new or haven't been to a meeting before let us know when you book and we'll look out for you!*

Please reserve me the following places(s) for the evening meeting to be held at the Environment Agency, Kings Meadow House, Kings Meadow Road on 18<sup>th</sup> February 2010, 17:30 for 18:00 \_\_\_\_\_ CIWEM member(s) and / or \_\_\_\_\_ non-CIWEM member(s).

Where did you hear about this meeting : Branch: Colleague : (Other) : \_\_\_\_\_

Your Name : \_\_\_\_\_ Fax : \_\_\_\_\_

Organisation : \_\_\_\_\_ Email: \_\_\_\_\_

**Please list names of attendees :** 1 \_\_\_\_\_ (CIWEM/non CIWEM)

2 \_\_\_\_\_ (CIWEM/nonCIWEM) 3 \_\_\_\_\_ (CIWEM/nonCIWEM)

Please return to: Neil Tytler, Tytler Associates, 45 Deanfield Road, Henley-on-Thames, Oxon. RG9 1UG  
Email: neil@tytlers.com Tel: 07802 441710

**The Environment Agency, Kings Meadow House**  
 Kings Meadow House, Kings Meadow Road, Reading, RG1 8DQ  
 Tel: 0118 953 5112 Fax: 0118 950 0388



### How to find us

**By Foot or Bike:** Kings Meadow House is 5 minutes walk from the mainline station. There are bike racks at the rear of the building for both staff and visitors.

**By Rail:** Reading Mainline Station. Leave the station via the bridge over the platforms following signs to Caversham and River Thames. Take lift to level 1 and walk up the car park access road. Cross the road at the traffic lights towards the BMW garage. Continue straight ahead and Kings Meadow House is across the road on the left. Enquiries: Phone 08457 48 49 50 – [www.nationalrail.co.uk](http://www.nationalrail.co.uk)

**By Bus/Coach:** Traveline for information on local buses and coach travel. Phone 0870 608 2 608  
 Textphone 0870 241 2216

**By Road:** From M4, Junction 11 follow the signs for A33 Relief Road. Straight over next 2 roundabouts. At next set of lights follow signs for Caversham, B&Q and McDonalds on your left. Straight over the next roundabout. Next set of lights bear right, follow signs for Caversham, Lok 'N' Store on your right. Straight over next set of lights, join the inner distribution road (IDR) and go under the flyover. Carry on to next roundabout, TGI Fridays on the right and take the 2nd exit. At next roundabout with Thames Water on the left, take 2nd exit. With BMW on the right take the next left turn after the phone box. Then left into KMH car park.

