

CIWEM East Midlands Branch

**Permeable Reactive Barriers- Insitu
Groundwater Remediation**

Hazelrigg Hall – Loughborough University

**Wednesday 18 October 2006
6 pm start**



CIWEM

The Chartered Institution of Water
And Environmental Management

Permeable Reactive Barrier (PRB) technology has been successfully used worldwide for the treatment of contaminated groundwater and is slowly being taken up by the UK industry. A PRB comprises a permeable wall of reactive material installed below ground across the flow path of the groundwater. As the groundwater moves through the reactive material, contaminants are degraded or immobilised. Depending on the reactive material employed, both organic and inorganic contaminants can be treated, including chlorinated solvents, petroleum products and heavy metals. Dr Genevieve Boshoff who is the PRB Projects Manager for Terralsa Ltd. will outline the general principles of Permeable Reactive Barriers and introduce some case studies to illustrate the effectiveness and versatility of this technology.

PRB technology is relatively new and Genevieve was the organiser of the first International Symposium on Permeable Reactive Barriers in March 2004. She was a member of the Environment Agency steering group responsible for drafting guidance on the use of Permeable Reactive Barriers for the treatment of groundwaters.

This meeting contributes two hours to Continuing Professional Development. Non-members of CIWEM as well as members are very welcome to attend.

Refreshments will be available from 5.30 pm.

CIWEM is indebted to Loughborough University for sponsoring this meeting and allowing the use of Hazelrigg Hall.

A location map and directions are included on the reverse of this sheet.

Travel Directions to Loughborough University

Comprehensive location plans are provided at <http://www.lboro.ac.uk/about/map/>

A simplified plan is provided below.

By Road: The easiest approach is by the M1 to Junction 23. Take the A512 towards Loughborough. Although either entrance may be used, the East entrance to the University is more straightforward.

At the second roundabout turn right into Epinal Way and after fifty metres turn right into the University.

Proceed down University Road until Hazlerigg Hall is seen on the right on the other side of the circular lawn. Parking is available behind the Hall off Rutland Way and at other nearby locations as identified with a P on the location plan.

By Rail: Loughborough Railway station is a ten minute taxi ride from the University

