

# Innovative Remediation Trial (SISCO) Proposed For Barangaroo



Example of SISCO trials on Hickson Road

The Barangaroo Delivery Authority has appointed Lend Lease to undertake remediation of the historic contamination of the old Miller's Point Gasworks at Barangaroo.

The Barangaroo Delivery Authority has prepared a Voluntary Management Proposal (VMP) approved by the Department of Environment, Climate Change and Water, which details the undertaking of investigative and remediation works, including the proposed trials.

The contamination is largely the result of the activities of the former Millers Point Gasworks and the area affected includes part of Barangaroo and a section of Hickson Road.

Lend Lease has lodged the project application with the NSW Department of Planning to commence trials of a remediation technology, new to Australia but proven in the US, to treat soil and groundwater contamination.

This is not the commencement of the remediation works themselves at Barangaroo, it is an application to trial the technology before remediation by approved methods is undertaken on site.

The innovative technology known as SISCO (Surfactant-Enhanced In Situ Chemical Oxidation) enables the remediation of certain contamination where it lies (in-situ), beneath the ground, rather than the traditional excavation method.

The 'in situ' technology enables contamination to be treated below ground, without the need for invasive extraction and delivers a range of important environmental and other benefits including:

- Reducing the amount of excavation required
- Treating contamination where it lies underground limiting the amount of contamination required to be brought to the surface
- Reducing the amount of material required to be taken off site and disposed of in landfill
- Limits the amount of disruption to traffic on Hickson Road
- Reducing the impacts on local residents, business and other neighbours

An important part of the testing process will be to ensure that SISCO delivers standards of remediation which meet the strict guidelines set by the Department of Environment, Climate Change and Water.

If approved, it is expected that trials of the SISCO method could commence in early 2011. For further information visit our website at [www.barangaroo.com/remediation](http://www.barangaroo.com/remediation)

