

## **Former gas works sites successfully remediated in many parts of Sydney**

### **1.0 Barangaroo Delivery Authority's remediation expert, Dr Bill Ryall**

Dr Bill Ryall is providing expert advice to the Barangaroo Delivery Authority regarding the remediation of the site occupied by the former Millers Point Gasworks and across Barangaroo.

Dr Ryall is acknowledged as a leading independent expert on contamination issues and specifically on remediation of sites prior to redevelopment. He was formerly a Site Auditor, accredited by NSW EPA (part of NSW DECCW) for 10 years. He now provides advice on remediation and management of contaminated sites to government and industrial clients.

Dr Ryall has provided additional facts, as below, which are pertinent to the remediation issues at Barangaroo.

### **2.0 Have gasworks been successfully remediated before?**

A number of former gas works sites, similar to the former Millers Point Gasworks on Barangaroo, have been successfully remediated in NSW.

Gasworks that have been successfully remediated in the Sydney area for residential and open space use include:

- Mortlake (formerly the largest gasworks in the southern hemisphere and now the Breakfast Creek residential and public open space precinct)
- Waverton (now the Wandakiah residential estate and public open space precinct)
- Little Manly (public open space)

Many gasworks located in other parts of NSW and other states have been successfully remediated to allow residential, commercial and open space land use with minimal impact to neighbours and to the environment.

### **3.0 What are the principles of sustainable remediation to be undertaken at Barangaroo?**

It is no longer acceptable, according to Ecologically Sustainable Development principles, to remediate by "dig and dump", where viable alternative processes are available.

The re-use of materials at Barangaroo will be undertaken in accordance with industry best practice, sustainable remediation principles and the requirements of the human health and environmental risk assessment undertaken at the site. The majority of excavated material on Barangaroo can be re-used and retained on site. This includes previously contaminated material, which will be stabilised and re-used on site in accordance with relevant regulations.

### **4.0 What level of scrutiny will the remediation process be subjected to?**

Remediation on parts of Barangaroo declared as a "Significantly Contaminated Site" will address the contamination in the NSW DECCW's Declaration.

Remediation across Barangaroo is subject to a number of levels of scrutiny and acceptance:

- The Authority's remediation expert will provide independent assessment of the validation of the remediation works.
- An independent Site Auditor accredited by NSW DECCW will review of all aspects of the remediation works.
- The Site Auditor will issue a Site Audit Statement certifying the suitability of the remediated land only when satisfied that the remediation works have been completed successfully.
- NSW DECCW will be regulating the remediation of the declared "Significantly Contaminated Site" and will review reports prepared by the Authority's consultants, the Authority's independent remediation expert and the Site Auditor.

In addition, during the course of the remediation works, rigorous programs of monitoring and reporting of environmental and human health values will be undertaken in accordance with requirements of the development consent.