

XP Software

Case Study | Water Re-use at the Sydney Olympics



PROJECT NAME: Stormwater Technical Advisory Services for Homebush Bay Olympic Site, Sydney

CLIENT: Olympic Co-ordination Authority

SCOPE OF SERVICES: Based on our prior preparation of the stormwater management strategy and concept design for stormwater infrastructure at Homebush Bay, we have been engaged since 1995 to provide specialist advice to the OCA on a project by project basis. The scope of each project, inputs, approach and outputs were agreed with OCA prior to commencing to ensure an integrated management approach. To date around 40 projects (including our formulation of the stormwater management strategy for Homebush Bay and the concept design of trunk drainage infrastructure) have been completed. These projects also comprised the provision of specialist advice and undertaking additional modeling investigations and reviews on behalf of OCA. These widely utilized the range of XP Software computer packages to numerically simulate the management and environmental control of diverse water resource infrastructure throughout the Olympic environs.

A number of the projects undertaken have resulted in a series of reports including:



- *Stormwater Management Strategy for Homebush Bay*
- *Discussion Paper on Trunk Drainage Schemes for Homebush Bay*
- *Background Paper on the Catchment Context of Estuarine Systems*
- *Concept Design of Stormwater Infrastructure for Homebush Bay*
- *Stormwater Design Guidelines for Homebush Bay*
- *Stormwater Drainage & Sediment Control Plan for Homebush Bay*
- *Concept Design of the Eastern & Southern WQC Ponds*
- *Environmental Concept Design of the Northern Water Feature*
- *Statement of Environmental Effects for the Northern Water Feature*
- *Specification (Civil Works) for the Northern Water Feature*
- *Review of Water Management Plan and Irrigation at Homebush Bay*

The Northern Water Feature, Homebush Bay received a 1999 Engineering Excellence Award in the Environment Category from the Sydney Division of the Institution of Engineers, Australia and a Gold Award of Merit 2000 from the Association of Consulting Engineers Australia



We were also inducted into the Australian Engineering Achievers Group of the Institution of Engineers, Australia in 1999. In the words of the Institution:

“AEAG members adhere to best practice in their fields of engineering endeavor and are leaders in industry excellence”.

For more information, please visit: www.xpsoftware.com