

Australian Industry

WINS!

WTIA National Diffusion Networks Project (NDNP) funded by the Federal and State and Territory Governments and industry



SUCCESS STORY NUMBER W10: WATER INDUSTRY FORUMS HELP CONSERVE OUR PRECIOUS DROPS – *Welding technologies contribute to efficient water distribution*

Water Industry Team Effort

The WTIA's NDNP Water Industry Sectoral Project (ISP) is supported by SA Water, the Water Corporation WA and in Victoria by City West Water and South East Water. These authorities have contributed significantly to the Project through the identification of common needs, the sharing of ideas and technologies and the support of Technology Forums bringing knowledge and solutions to people and companies involved in the sector at all levels.

Through this team effort, which is also supported by the State Governments around Australia, considerable benefits have accrued to the sector, and to the Australian public throughout the country.



Photo courtesy South East Water

Technology Workshops

Recent workshops introduced solutions generated for this ISP and were attended by over 90 people at 6 venues in Melbourne, Sydney, Newcastle, Perth and Brisbane.

Solutions produced include Technical Guidance Notes, Standard Specifications and new technologies. The workshops discussed their utilisation and benefits in a typical company, and highlighted successful implementation through case studies and other examples.

Water Industry Specification for Welding

The Water Industry Sector has identified the need for an industry wide standard specification for welding. The WTIA has produced a Technical Note "Water Specification for the Water Industry" to address this need. The workshops introduced this specification to the industry, as well as a second 'minor'

specification specifically addressing issues of repair (see Success Story W09).

Welding Polyethylene Pipes

Thermoplastic pipes are being increasingly used in many industry sectors such as gas, water and mining. The advantages over traditional materials such as steel and cast iron include cost, lack of corrosion, weight and ease of joining. The ease of joining is only applicable if correct procedures, qualified personnel, pipe and fitting tolerances are all adhered to. The workshops addressed the important basics of welding polyethylene pipes.

Earth Stakes for Mobile Generators

Feedback received from industry has indicated a number of incidents with the use of earth stakes for mobile generators. A new WTIA Technical Guidance Note has been produced, and was presented to industry for discussion at the workshops.

Service Panels and ISO 3834

There is an increasing need to develop and manage a competent pool of resources to provide goods or services within the Water Industry. Presentations introduced the international Standard ISO 3834:2005 *Quality requirements for welding - Fusion welding of metallic materials*, and a suite of Technical Guidance Notes supporting its introduction to suppliers and contractors in the sector. This welding management system complements the establishment of service panels for the sector enabling owner/users to manage their suppliers more systematically.

Job Safety Analysis

A Job Safety Analysis is the systematic identification of potential hazards in the work place by personnel as a first step to controlling the possible risks involved. A new WTIA Technical Guidance Note on this subject was outlined and included in the resources given to the delegates at each event.

Outcomes

Water is the most precious commodity in this dry country of ours, especially with the effects of global warming, and the outputs of the WTIA's NDNP, shared around Australia for the benefit of all, are contributing to its efficient distribution and conservation through top-quality welded pipes and pipelines.

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