

Case Study

Saving Water: Make it Your Business Adelaide Brighton Cement – Angaston

Adelaide Brighton Cement's (ABC) Angaston operation has completed a number of projects to improve water efficiency at the site.

ABC, a cement and lime manufacturer has a very strong water conservation focus driven by its water efficiency improvement team, which holds regular meetings to review data and plan new water saving initiatives. Projects that have been implemented demonstrate ABC Angaston's management commitment to saving water and have enabled the saving of approximately 69,000 Kilolitres (kL) or 23% between 06/07 and 07/08. This is the equivalent of approximately 276 average Adelaide household's annual water use.

In November 2006, ABC commissioned a project to reuse waste bottle wash water from neighbouring company Vinpac. This is a great example of two companies working together to achieve a mutual benefit. To date this project alone has saved approximately 59,000kL of drinking water.

Other minimisation and reuse projects that have also contributed to greater water efficiency include:

- The establishment of a Water Efficiency Improvement Team.
- Installation of sub meters complete with data logging system to monitor use.
- The benchmarking of water used per tonne of product (kL/Tonne)
- The onsite reuse of various sources of process water.
- Using recirculated plant water for cooling the main air compressor and rotary blower in place of water.
- Replacing single pass water cooling equipment with a closed loop system
- The inclusion of water conservation education material in the induction process of site employees and contractors.



The formation of the Water Efficiency Improvement Team has already paid dividends through the identification of a number of water saving projects. These have been implemented and savings will be analysed on an ongoing basis, early analysis shows that so far in this current financial year water efficiency has improved further from that in 07/08, by approximately 36%.

The recently installed sub meters with data loggers may achieve further increases, knowledge and opportunity to continue to reduce water use by providing real time water consumption information.

Staff amenities are in the process of being upgraded, including highly water efficient tap ware, and replacing single flush toilets with water efficient dual flush models.

Congratulations to ABC on their water saving efforts. The Business Water Saver Program will continue to work with ABC and offer assistance with the implementation of further water saving opportunities into the future.

Further information

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