



[SAVE THIS](#) | [EMAIL THIS](#) | [Close](#)



(left) Greg Attwater, Senior Technician at CWR, assembles the Lake Diagnostic System for deployment in Thomson Reservoir, Australia. (right) Reed Green, Asst. Dir. with USGS Arkansas Water Science Center, performs final inspection of the solar panels and meteorological sensors on the LDS.



(left) Reed Green prepares to transport the LDS to its final location. (right) The LDS fully deployed and installed in Thomson Reservoir, where it will collect data on temperature, dissolved oxygen, wind, water level and meteorological parameters for Melbourne Water.

[Click here to enlarge image](#)

Two Lake Diagnostic Systems installed in Thomson Reservoir for Melbourne

• *Precision Measurement Engineering Inc. and Centre For Water Research provide system for water quality management*

CARLSBAD, CA, May 22, 2007 -- Precision Measurement Engineering Inc. (PME), an internationally known oceanographic instrument design corporation based in Carlsbad, CA, and Centre for Water Research (CWR) at The University of Western Australia installed two Lake Diagnostic Systems (LDS) in Thomson Reservoir, Victoria, Australia. CWR is an educational and research institution known for their leading edge technologies and aquatic system management.

Melbourne Water, owned by the Victorian Government, is responsible for managing Melbourne's drinking water supply, and has commissioned CWR to provide on-going LDS training and real-time management. PME manufactures the LDS and provides calibration and some installation services.

The Lake Diagnostic System features real-time monitoring of water column temperature stratification, meteorological parameters, and water quality parameters. Data can be transmitted via cell phone, radio modem, or satellite to a ground station, or can be relayed to CWR's quasi real-time [Online Lake and Reservoir Information System \(OLARIS\)](#).

"PME and CWR have a unique collaboration that provides the customer with a complete product solution," said Michael Head, CEO of Precision Measurement Engineering. "With our combined resources, we are able to provide accurate data and measurements, training, analysis, and numerical modeling."

Data collected at Thomson Reservoir include temperature, dissolved oxygen, water level, wind, and meteorology. This data will help monitor the lake's thermal regime, compute the mixing and meteorological forcing, and design and control destratification systems.

For more than 20 years [Precision Measurement Engineering Inc.](#) has been dedicated to designing and manufacturing high-quality oceanographic instruments. Their instruments are used throughout the international scientific community for high-resolution measurement of electrical conductivity, temperature, fluorescence, turbidity, and PAR concentration in water.

[CWR](#) based at The University of Western Australia provides a range of world-class research services for the management of the aquatic environment. CWR has a long history of working with clients and local consultants to deliver leading edge technologies for the management of aquatic systems.

###

Find this article at:

http://www.pennnet.com/display_article/293544/41/ARTCL/none/INDUS/Two-Lake-Diagnostic-Systems-installed-in-Thomson-Reservoir-for-Melbo

 [Click to Print](#)

[SAVE THIS](#) | [EMAIL THIS](#) | [Close](#)

Check the box to include the list of links referenced in the article.

Copyright © 2007: PennWell Corporation.

