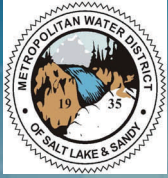


**METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
BOARD of TRUSTEES**

First Term	Name	Current Term	Term Expiration Date
1-28-03	John S. Kirkham, Chair	1-02-11	1-2-15
3-20-07	Tom Godfrey, Vice Chair	1-27-09	1-1-13
1-04-06	Lee Kapaloski, Secretary	1-04-10	1-1-14
6-18-07	Kathy Wood Loveless	2-15-11	1-1-15
2-03-09	David L. Buhler	2-03-09	1-1-13
10-31-06	Donald Y. Milne	1-05-09	1-7-13
8-10-10	Patricia Comarell	8-10-10	1-1-14



The Metro Update

LIME SLAKER PRESSURE TRANSDUCER

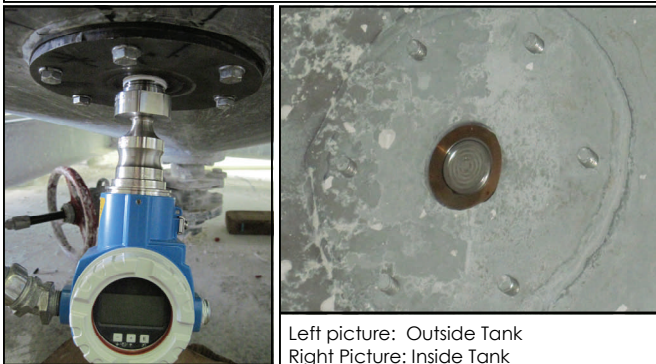
The Little Cottonwood Water Treatment Plant (LCWTP) lime slaker pressure transducer has not been operating reliably for some time. This pressure sensor is located in the bottom of the lime slaker slurry tank and sits in a hole that is about 3/4 of an inch below the tank surface. Over a period of time, lime slurry would set up and harden in this recess where the sensor is located. This created a dead space above the transducer, making it very difficult for the transducer to accurately read the pressure in the day tank (the transducer range is only zero to 1.7 pounds per square inch). The reliable operation of the slaker's automatic batching process depends on this sensor functioning properly.



Lime Slaking System at LCWTP

In an effort to improve the reliable operation of this sensor and the slaking process, Instrumentation & Electrics (I&E) removed the existing plate and bung in which the transducer was mounted. I&E then removed the old transducer from the old bung, fabricated a new bung, and indexed a new transducer to set flush with the end of the new bung. I&E then adjusted the new bung to compensate for the thickness of the slurry tank wall and gasket. I&E has installed and calibrated the new transducer configuration, and the slaker batching system appears to be operating more reliably. The LCWTP lime slaking system should now be ready for the Little Cottonwood Creek spring runoff.

New Lime Slaker Transducer



Left picture: Outside Tank
Right Picture: Inside Tank

NEW MOBILE TECHNOLOGY TO ASSIST AQUEDUCT INSPECTORS

The IT group has researched, tested, and deployed a mobile technology solution, utilizing tablet PCs, that should better facilitate the Aqueduct Inspector field review of District pipeline right of way information and related maps. This technology allows the District's Aqueduct Inspectors to more easily remotely access pipeline maps and

related right of way information such as pipe centerlines, easements, fee/title properties, and other related parcel information. The Aqueduct inspectors also have ready access to their blue stakes notifications, so they can quickly and efficiently resolve any digging or construction issues near or on the pipelines.

ONLINE FLUORIDE ANALYZER

Salt Lake County has recently lowered its drinking water fluoride residual requirement from a range of 0.7-1.2 parts per million (ppm) to a range of 0.6-0.9 ppm. This new requirement for the District to operate within a more narrow range of fluoride residuals has resulted in a greater need for online fluoride analyzer accuracy. The online fluoride analyzers provide fluoride residual information to the District's Process Control/Supervisory Control and Data Acquisition (PC/S) system. This information is utilized to make the necessary dosage adjustments to maintain the required residual range. Because of the increased need for online fluoride analyzer accuracy, the District's I&E group has adjusted their fluoride analyzer calibration procedures. The first change relates to the calibration standards that are utilized. Instead of the traditional 1-10 ppm standards, they are now using 0.2-2 ppm which is closer to the required range of 0.6-0.9 ppm. The second change relates to the calibration frequency. Instead of calibrating the fluoride analyzers on a monthly basis, I&E now calibrates the analyzers every other week. The third change to the fluoride analyzer calibrations involved removing an auto calibration feature on the instruments that did not appear to be functioning properly. In addition to calibration changes, I&E has also installed a heater on the LCWTP finished water fluoride analyzer sample. Because of the important role that temperature plays in fluoride residual analysis, I&E will be installing heaters on all fluoride analyzer sample lines. These combined changes have already noticeably improved the accuracy and reliability of the District's online fluoride analyzers.



CALENDAR 2011

February

- 9 Engineering Committee Meeting – 8:00 a.m.
- 17 SCPUAB Meeting – 7:00 a.m.
- 24 SLCPUAC Meeting – 7:00 a.m.
- 24 PRWUA Annual Shareholders Meeting and Board Meeting 10:00 a.m.
- 28 Conservation Committee Meeting – 2:30 p.m.
- 28 MWDSLS Work Session – 3:30 p.m.
- 28 MWDSLS Board Meeting 4:30 p.m.

March

- 3 Engineering Committee Meeting – 8:00 a.m.
- 9 Management Advisory Committee Meeting – 8:00 a.m.
- 9 Finance Committee Meeting – 9:00 a.m.
- 14 Water Law & Policy Seminar – St. George
- 15-16 Utah Water Users Workshop – St. George
- 17 SCPUAB Meeting – 7:00 a.m.
- 21 MWDSLS Work Session – 3:30 p.m.
- 21 MWDSLS Board Meeting – 4:30 p.m.
- 24 SLCPUAC Meeting – 7:00 a.m.
- 24 PRWUA Board Meeting – 10:00 a.m.

April

- 6 Finance Committee Meeting – 9:00 a.m.
- 18 MWDSLS Work Session 3:30 p.m.
- 18 MWDSLS Board Meeting 4:30 p.m.
- 21 SCPUAB Meeting – 7:00 a.m.
- 28 SLCPUAC Meeting – 7:00 a.m.
- 28 PRWUA Board Meeting 10:00 a.m.

MWDSLS – Metropolitan Water District of Salt Lake & Sandy
PRWUA – Provo River Water Users Association
SLCPUAC – Salt Lake City Public Utilities Advisory Committee
SCPUAB – Sandy City Public Utilities Advisory Board

Last update 02-23-2011

January 2011						
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November 2011						
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December 2011						
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MWDSL Board of Trustees	
EVENT	TIME/DATE
Conservation Committee	2:30 PM
Work Session	3:30 PM
Board Meeting	4:30 PM
Engineering Committee	8:00 AM
Finance Committee	TBD
Management Advisory Committee	TBD
Executive Committee	TBD
Holidays	
Utah Water Users Association	Mar 14-16
AWWA National	June 12-16
Intermountain Section AWWA	Sept 14-16
Utah Association of Special Districts	Nov 3-4
NWRA Convention	Nov 16-18
CRWUA	Dec 14-16