



Registrar No. 11341

Item 3

## Water Supply Report

July 17, 2008

### Status of Summer Wells

UW #29 was brought on line June 18th. It is currently in "reserve" mode. The reservoir is currently being discharged to the storm sewer and then refilled once a week to maintain the proper chlorine residual. During this process, the deep well runs about 3 hours and pumps approximately 300,000 gallons of water. The electrical and chemical costs to do this are estimated to be around \$70. Demand for water in this area is being evaluated on a weekly basis. If it is determined that water from this well is needed to meet demand, then this well will go into "standby" mode (reservoir filled and then pumped twice a week into the distribution system for four hours.).

UW #8 was brought on line June 27<sup>th</sup> and is operational.

UW #10 is currently out of service. Given the saturated ground conditions, water from this well has not been needed. As a result, it has been decided that UW #10 will remain out of service for the time being. This will be re-evaluated again in early August to determine if this well needs to be put into "reserve" mode (reservoir filled and then discharged to the storm sewer once a week.) At the very latest, the Utility will have to start this well in late August so that water quality samples can be collected for the WDNR. The water generated during this sampling event would be discharged to the storm sewer.

### UW #26

UW #26 was placed back in service on July 7<sup>th</sup>. A new pump had to be purchased for this well after it was determined that the old one was not repairable. Municipal Well installed the new pump and reset the motor. The well now pumps approximately 2350 GPM and has been averaging about 2.4 MGD. It is running smoothly and vibration levels are back to normal.

### SCADA Update

The new Wonderware system that we now use to monitor and control UW #18 continues to work well. A few minor modifications were made to the software to make it more operator friendly. Two more sites are in the process of being converted over to the new system - UW #30 and the Felland Road Reservoir. L.W. Allen, Inc. is doing the software programming and building the control modules at their facility. After completion, Utility staff will assist the contractor in the installation process. It is hopeful that these two sites can be converted over sometime next month.

The automated database management system the Operators use for trending, reporting, and recording site data is being upgraded by IntelliSys. Also included with this upgrade is a redeveloped program to monitor the chemical feed systems at all of our sites. A new server was purchased to run the upgrade. Over the next four weeks, IntelliSys will develop, install, and test the software. They have also agreed to train Utility staff in its use and will provide tech support for the next 12 months.

### WDNR Annual Site Inspection

The Wisconsin Department of Natural Resources (WDNR) conducted their annual site inspections of the Utility's sites on July 15<sup>th</sup>. Utility staff toured sites #9, #12, #14, #16, #18, #19, #24, #25, #26, #28, #29, and #30 with Tom Stunkard of the WDNR. Utility staff included Chuck Englewood, Joe Grande, Al Larson, Dan Rodefled, and Joe DeMorett. Tom will document his observations, compile a list of any items that require attention, and submit his final report. Tom commented that the sites all looked very good.

Submitted by: Joseph DeMorett