

MUNICIPAL WELL & PUMP

MWP HIGHLIGHTS

- 3M Corporation recently hired MWP to complete 2 well rehabs at their manufacturing facility in Cordova, IL. Both wells need to be completed in under 10 days.
- MWP recently presented training sessions at 3 different User Conferences throughout Wisconsin.
- MWP will be presenting a session on "Pump Repair, Design and Testing" at the North Suburban Water Works Association of Illinois in August.

OTHER FEATURES IN THIS ISSUE

Annual Pump
and Well 2
Maintenance

Municipal Well &
Pump is an Employee
Owned Company



SPRING 2006

The Hole-Water Report

No Water at Yorkville Water Utility

What is the old saying? "You don't know what you have until it is gone".

That is exactly what Mr. Gary Hanson, Utilities Manager for Yorkville Water Utility in Wisconsin experienced a few months ago. His call came in to MWP at 10:30am on a Tuesday morning in January. He new exactly what he didn't have—**WATER!!**

The problem was serious. The pump was running, but not pumping any water.

Plus, this well provides the only water supply to a major business area on I-94 & Hwy 20 including

truck stops, restaurants and hotels. MWP Engineers reacted immediately. Within 1 1/2 hours MWP was on site investigating the situation.

Upon arrival everything appeared to be normal. The typical prognosis for a pump running and no water is a hole in the column pipe or a shaft had separated. Some tests were needed.

The pump was turned on and the VFD began to ramp up the speed of the motor. The shaft was turning, but something was definitely wrong. The pump was operating in reverse. How could that happen? More yet, how

could the shaft not have unscrewed, which usually happens when a line-shaft pump runs in reverse.

Obviously there was an electrical problem that was causing the pump to run backwards. In discussing the issue with Town officials, it was discovered that an underground contractor hit a 3-phase power line the previous day severing all 3 phases. Repairs were made that same day, but upon reconnecting the lines the phases were reversed.

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MWP adds an Additional Illinois Salesman

Municipal Well & Pump is pleased to introduce the newest addition to our Team. Brad Schotanus comes to us from Peerless-Midwest, Inc., Mishawaka, IN where he had been a Project Manager / Sales Engineer since 1996.

Brad's experience includes complete design of water systems including wells, pumps and piping. He has successfully provided expertise to customers in Indiana, Illinois and Michigan.

In addition to working for Peerless, Brad's work experience

includes the following:

- Layne - Northern as Sales Engineer from 1991 to 1995.
- Matley Well Drilling as the Owner from 1985 to 1990.
- Boysen Well Drilling as Assistant Manager / Manager from 1976 to 1985

We are excited to have Brad join our team as we seek to improve our services to Illinois. Brad will be working directly from his office in Vernon Hills, IL.

Brad comes to Municipal Well and Pump with a great attitude, a friendly personality and water system expertise that we believe our customers will appreciate. He is a true team player and is truly interested in what is best for the customer.

He will be working closely with Dick Milaeger, our VP of Sales, to provide our ongoing commitment of excellence to all of our customers.



MWP Annual Maintenance Includes:

- Static H2O Level
- Drawdown
- Specific Capacity
- System Pressure
- Motor Megohm
- Motor Voltage
- Motor Amps
- Motor Resistance
- Electrical Connections
- Lubrication
- Change Packing
- Water Quality
- Pump House Condition
- Service History
- Annual Charting

“They (MWP) understood the importance of reducing the down time because we had no ability to pump water.” “It has been a pleasure working with Municipal Well & Pump”.

Gary Hanson,
Utility Manager
Yorkville Water

Annual Maintenance - Why?

Here is another one of those old sayings, “An ounce of prevention is worth a pound of cure”. This couldn’t be more true when it comes to your Water System.

Communities / Industries invest hundreds of thousands of dollars in their water systems. So investing a few hundred dollars per year to properly evaluate and track the performance of your system only makes sense. Right?

Of course it does, but let’s compare to the alternate.

With no maintenance on a typical line shaft pump of \$400

per year you could save \$4,000 over 10 years. In the meantime, if that pump fails, you could be damaging it beyond repair requiring the purchase of a new pump and / or motor versus rebuilding; easily a savings of **\$10,000 to \$30,000**. Additionally, the repair work was not planned and you may be getting stung with overtime or emergency rates easily adding another \$2,000 to \$4,000 dollars. Plus, what is cost of dealing with customers without water or switching over to another pump (if you have one)?

Any way you look at it prevention is worth it.

MWP’s Annual Maintenance Program will help you avoid these types of surprises. The program includes analysis of Static Water Level, Specific Capacity, Motor megohms, voltage, amps, resistance, plus a lot more.

Here’s the deal, if your Salesman doesn’t mention this program to you and provide you with a quote on his next visit—your first year is **FREE!**

That’s how much we believe in proper maintenance and that’s our guarantee.

Yorkville - No Water (continued)

So to correct the problem, MWP reversed the leads and the unit began running correctly.

Problem #1 was solved and water was running again.

However, it had been 10 years since the pump was installed and the capacity of the pump had declined. It was time for a proper inspection of the equipment.

Since this was the only pump supplying water to a number of customers, this was not your typical pull and inspect. In less than 48 hours, MWP had to remove the existing oil-lube pump set to 700-feet, and install a temporary 150hp submersible to keep the utility in water.

Working around the clock with multiple crews, in very

adverse conditions, MWP met the challenge. The pump was removed and the temporary unit installed and started up, and none too soon. Upon removal, the column pipe was badly corroded and the inner column was deteriorating. The Town had been operating on borrowed time.

After reconditioning the pumping equipment, MWP had to do it all over again. Once again the challenge was met in record time.

Utility Manager, Gary Hanson was “Very Happy”. In a thank-you to MWP, Gary thanked Buck, an operator for MWP, and all of its crews for a “Great Job”. “The crew worked long hours and very hard in working conditions that were less than ideal. They understood the impor-

tance of reducing the down time because we had no ability to pump water. Everyone was always very friendly and it has been a pleasure working with all at MWP. We appreciate everything everyone has done for us.”

In the end, that is what it is all about, a customer that is pleased with the work that we do. And better yet - Now they have WATER!!!

P.S. - Yorkville is now set up on Municipal’s Annual Maintenance Program. Once a year MWP will perform a complete check of their entire system. A full report will be given to Yorkville explaining the condition of the well and the equipment.

To learn more read above: Annual Maintenance—Why?