

Got Leaks?

CHECK OUT THIS NEW WATER CONSERVATION TECHNOLOGY



by Richard Winters,
Circuit Rider 1

AMR/AMI & System leak Detection

Badger Meter has teamed up with a leader in the leak detection industry, Fluid Conservation Systems Inc. to make water main leak detection an integral part of everyday meter reading.

How It Works:

- The loggers monitor the water mains during the night time hours when the system is in its most “quiet” state.
- If the sensor senses a nearby water leak (acoustic vibration) in the main, it sends this data to the connected Badger transmitter, which in turn broadcasts this leak data in its reading field.
- Normally a leak is picked up between two loggers, which will allow the utility to understand the general vicinity of the leak. (Leak Surveying)

General Deployment Info: (Placed Directly on Main Valves in the Distribution System)

Suggested separation distances vary by pipe material -

- Steel / Iron: 500 - 1,000 Feet
- Asbestos Cement: 500 - 1,000 Feet
- PVC / Plastic: 150 - 250 Feet

Contact your local Badger Sales Representative for more details and pricing. This product may also qualify for the Archives Grant funding program. This product was obviously designed to be used with your already installed Badger Meters, however, as long as you purchase the software and either a hand-held or lap-top computer reader, you can use these loggers regardless of your meter brand. In the past, I may have told you about a similar product, the M-Loggers, installed in the customers building just before the meter. These worked basically the same way, but have one disadvantage in the fact that they are exposed to any noise generated in the home or building, as opposed to the placement of these devices directly on the main valves throughout the distribution system.

In these very difficult economic times, you might ask how you could justify approaching your political leaders requesting this type of equipment. To

address this question I would ask you to consider how many times in the past you have had something like this occur. You come in the morning to discover that your normal daily consumption has gone up significantly, yet no one has notified you of a visible problem. You know from experience that you have a leak somewhere in your system. You now have to abort any plans you have made for the day to go in search of this leak. You, and possibly several of your employees, spend over half, or maybe all, of your normal work day locating the problem. Now you and your crew have to spend several hours of overtime to fix the leak. This can possibly add up to several thousand dollars on just this one leak. If you were able to drive through your distribution system this morning with the reader and detect the location of the leak, possibly in less than an hour, you would have been able to fix the leak during your normal work day saving this additional cost. Multiply this by the number of leaks you will encounter in the years to come and this equipment could actually pay for itself.

Keep in mind that these loggers will only put you in the right area for a leak and pinpointing the exact location will have to be done. But looking in a 1,000 foot distance should take you a whole lot less time than an entire town or village. Keep in mind also, that we have the proper equipment (which many smaller systems cannot afford) to assist you in the pinpointing of these leaks. Just call our office at: 1-888-697-8725 and ask for the Circuit Rider for your area. 💧

Mark Your Calendars
2nd Annual Equipment Expo
September 17, 2009
Dutchess Co. Fairgrounds
Rhinebeck, NY