

Utility Member Profile

South Dakota Section of the American Water Works Association

This is the sixteenth article the Public Affairs Council is featuring in the *The Spigot*. This is a quarterly article that will profile one of the 29 current South Dakota water systems that are Utility Members of the American Water Works Association (AWWA).

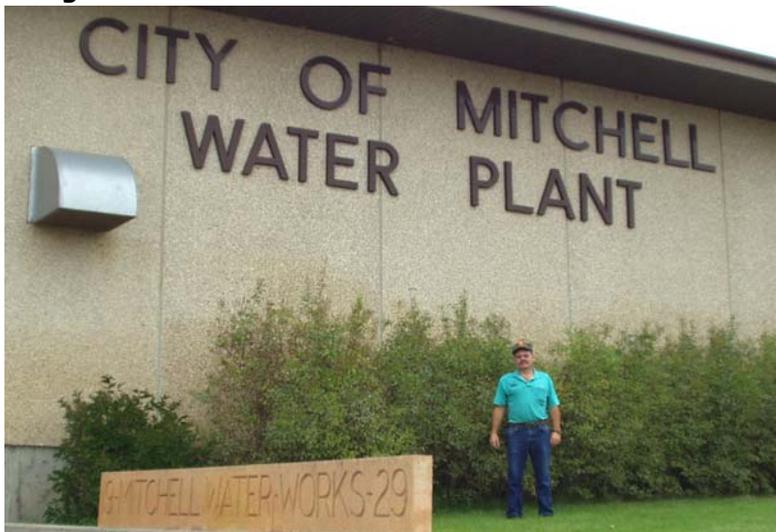
Benefits of Utility Membership:

There are three general categories of membership within AWWA: Individual Membership, Utility Membership and Organization Membership. Each of these membership categories has specific membership benefits packages associated with them. An abbreviated list of benefits for becoming a utility member includes discounts from the AWWA bookstore; membership in your local association; free subscriptions to AWWA publications including the Journal, Opflow, Mainstream and Waterweek; a Drinking Water Week Kit; access to low cost group insurance; and many other benefits depending on the size of your utility and the benefit options which you select. Dues for utility membership are based upon the number of service connections that a utility services.

If you are interested in learning more about your system becoming a utility member, please call AWWA at 1-800-926-7337 and ask about the benefits and costs of becoming a utility member. You may also visit the AWWA web site at www.awwa.org.

The Public Affairs Council has selected the **City of Mitchell Water Department** to profile this quarter. The City of Mitchell presently draws its water from Lake Mitchell. At times of low pond elevation, water may also be pumped from the James River into Lake Mitchell. Because of continued City growth, a joint \$16 million dollar pipeline project with BY Rural Water is currently underway to further supplement their current supply. The following questions were posed to Tim McGannon, Public Works Director; Richard Pollreisz, Treatment Plant Superintendent; and Larry Stunes, Distribution Superintendent. The Public Affairs Council would like to thank the City of Mitchell Water Department for participating in this feature for the Spigot.

City of Mitchell Water Treatment Plant



Richard Pollreisz, Treatment Plant Superintendent

Distribution:

Pipe Materials: PVC, Ductile, AC.

Pipe Sizes (mainline): 4"- 12"

Available System Storage: 2.7 million gallons

Miles of Pipe in System: 100+ miles

Average System Pressure : 60 lbs

Number of Valves: 1500

Number of Hydrants: 700

Average Age of System Piping: 40 years

Hydrant Flushing Program: Yes

System Address: 2800 N. Main, Mitchell, 57301

Phone Number: 605-995-8449

Fax Number: 605-995-8410

Water Plant Superintendent: Richard Pollreisz

USEPA ID Number: 0214

Number of Employees: 12

Number Service Connections: Retail: 5000

Bulk: Davison Rural Water

Population Served: 15,000

Email Address: rmpoll@mit.midco.net

Web address: www.cityofmitchell.org

Treatment:

Source Water Name(s): Lake Mitchell, James River (20mgd), Lewis & Clark Reservoir (12/1/03)

Source Water Protection: Firesteel Creek Watershed project

State Classification: Surface Water

Plant Age / Treatment: 1985, Conventional Lime softening.

Chemicals: Activated carbon, lime, polymers, Co₂, chlorine, ammonia, poly-phosphate, sodium chlorite, fluoride.

Average Daily Flow: 2.5 mgd

Maximum Flow: 6.5 mgd

Minimum Flow: 1.7 mgd

Peak Flow: 6.5 mgd

Design Flow: 7 mgd

Utility Profile: Continued

Budget:

Annual Budget: \$3 million (2002)

Average Water use per Customer: 131,000 gallons per year

Total Water Sold: 656.6 million gallons (2002)

Revenue from Water Sold: \$3.5 million (2002)

Average Cost of Water to Customer: \$2.55 per 100 cu. Feet.

Billing Cycle: Monthly

Involvement in AWWA

Mitchell has a Utility Membership.

Current Construction Projects

1. Joint 60 mile, 24" wrapped ductile pipeline project with BY Rural Water. Project completion expected by 12/1/03, with initial contract of 2 mgd, and future options to 4.3 mgd.
2. Refurbishment of the inside of their 1.5 million elevated storage tank (opposite).



Future Construction Projects:

1. Construction of Water Tower(s) on south side of I-90.
2. .5 mgd raw water line to Baseball / Sports complex.
3. Update SCADA capabilities.

Watershed / Source Water

1. Ongoing Watershed improvement project for Firesteel Creek.
2. First of three annual Alum treatments to Lake Mitchell – Summer 2003.



Success Areas: To keep up with demand, the City of Mitchell has continued to add additional water sources as well as improve and embrace new treatment technologies. In an effort to improve source water quality, the City of Mitchell has been actively involved in many watershed improvement activities, including the application of Alum to Lake Mitchell in an attempt to reduce phosphorus levels and the subsequent frequency of algal blooms.

Future Training Needs: The City of Mitchell Water Department encourages staff in training that is beneficial to safety and performance on the job. Special efforts will likely continue in anti-terrorism and computer / SCADA applications associated with the Water Supply field.