



*Volume VI
Number 3*

Fall 1996

BY DESIGN

Safe Drinking Water Act Makes Funds Available for Water System Improvements

Bolton & Menk Brings Water System Improvement Projects to Completion ...

Bolton & Menk, Inc. has assisted many communities with design, construction and operation of new water treatment facilities.

Currently, the Waconia Water Treatment Facility is nearing completion and is expected to be operational the first part of September.

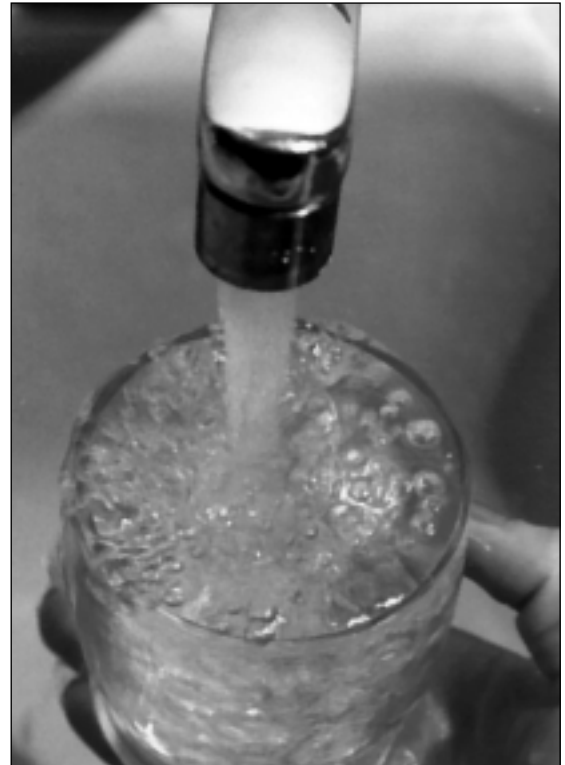
Additional facilities designed by Bolton & Menk have begun operations recently or will near completion by the end of 1996. They include:

Springfield, Le Sueur, Madelia, Arlington, and Trimont.



President Clinton has signed into law the Safe Drinking Water Act, which brings an estimated fourteen to thirty-six million dollars to Minnesota for water system improvements during the next seven years. At this time, the Minnesota Legislature has appropriated four million dollars in matching funds — enough to attract twenty million dollars from the federal government.

In Minnesota, these funds will facilitate the expansion of systems to serve growing populations, to protect systems



from contamination, and to develop additional water sources for small towns.

Congress is expected to appropriate seven billion dollars over the next seven years, with Minnesota receiving roughly three percent of that amount.

Celebrating Bolton & Menk's 47th Anniversary



Co-founder Martin Menk and his wife, Carol, stopped in this summer for cake and coffee on the forty-seventh anniversary of Bolton & Menk.

Duplicates

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Jon Peterson Brings Experience to BMI



Jon D. Peterson, P.E., has joined our Environmental Division. He is a registered professional engineer with a B.S. in Civil Engineering and a M.S. in Environmental Engineering, both from Iowa State University. Jon has over ten years of experience in all phases of water and wastewater system design from concept stage to final construction. Specific project experience includes water and wastewater treatment facilities, sludge treatment facilities, wastewater collection and transportation systems, water distribution facilities and storm water collection systems. In addition to facility design, Jon is also experienced in the preparation of facility plans and system-wide master plans. Before joining BMI, Jon was project manager for a consulting firm in the metro area.

**Volume VI
Number 3
Fall 1996**

**Editor: Nancy Thorkelson
Written and designed by:
Morning Glory Design, St. Peter, MN**

Published Quarterly by Bolton and Menk, Inc.

Offices:

515 N. Riverfront Drive
Mankato, MN 56001-3471
Phone 507-625-4171 FAX 507-625-4177

219 North Main Street
Fairmont, MN 56031-1833
Phone 507-238-4738 FAX 507-238-4732

134 Second Avenue South, P.O. Box 434
Sleepy Eye, MN 56085-0434
Phone 507-794-5541 FAX 507-794-5542

1515 East Highway 13
Burnsville, MN 55337-6857
Phone 612-890-0509 FAX 612-890-8065

322 Fourth Street Southwest
P.O. Box 895
Willmar, MN 56201-0895
Phone 320-231-3956 FAX 320-231-9710

2730 Ford Street, P.O. Box 668
Ames, IA 50010-0668
Phone 515-233-6100 FAX 515-233-4430

108 North Water Street
Liberty, MO 64068-1787
Phone 816-792-5100 FAX 816-792-2133

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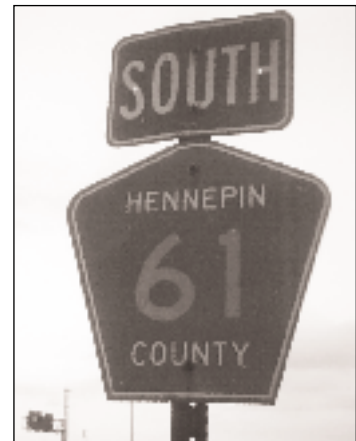
New Federal Wastewater Infrastructure Funding (WIF) to Make Widespread System Improvements Possible

The Minnesota State Legislature established a new wastewater infrastructure funding program during its 1996 session. The new program makes additional funding available to cities improving their wastewater treatment facilities.

The Wastewater Infrastructure Funding Program (WIF) allows a municipality to receive up to four million dollars in the form of grants (zero percent

forgivable loan).

Grant amounts are calculated through a formula that takes into consideration a maximum residential sewer charge and a municipality's median household income. The funds are awarded on a first-come, first-serve basis as well as an as-needed basis. A municipality's first step toward receiving funds is preparation of a wastewater treatment plan.



Bolton and Menk, Inc. has been retained by Hennepin County to perform final design services for the reconstruction of County Road 61 in Maple Grove and Plymouth. Construction is expected to begin in 1998 or 1999.

Celebrating the Completion of a Successful New Wastewater Treatment Project in Windom...

The City of Windom, Minnesota celebrated the completion of its new wastewater treatment plant on June 21, 1996 with an open house and tours of the facility.

The project has been well received; city officials have recently authorized Bolton & Menk, Inc. to undertake a second project on their behalf — design of the Water Treatment Facility Improvements.



Cutting the ribbon.



Water Superintendent, Ron Tibodeau, explains the workings of the facility.



Mike Haugen demonstrates the computer system that monitors the operation of the new facility.

New Law Affects Water Tower Restoration

W On August 19, 1996, new regulations regarding lead abatement went into effect in Minnesota. These regulations prescribe exact methods of removal of lead paint from steel structures (water storage tanks, bridges, chemical storage tanks, light poles, buildings, hand railings, etc.). Not only do the regulations prescribe exact methods of removal, but they also require the collection of all lead-containing waste and its disposal in an approved hazardous waste facility.

Although the most recent layer of paint on a storage tank may not contain lead,

it is possible that previous layers do. Therefore, abatement may be required; and there is no "grandfathering" provision in this new regulation.

Methods to control the escape of lead from the site include: containment with curtains around the entire structure, localized blasting and power



tools which have a vacuum attached, and chemical stripping with a vacuum. The particular method allowed depends on the amount of lead present, the height of the structure, the area to be repainted, the proximity and use of neighboring properties.

To municipalities, this means that the expense of repainting an existing water storage tank has just increased. It also requires a community to have a competent engineering evaluation of current facilities. In many cases, it will be more economical to construct a new tower rather than attempt to renovate the existing one.

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