

Alan L. Larson – Principal Engineer

119 E. Olin Avenue
Madison, Wisconsin 53713
Telephone: 608 266-4653
email: allarson@cityofmadison.com

Engineering Systems and Mapping

1. GIS: Ongoing extensive work to enter completed water main projects and main leaks into the Utility's GIS.
2. Lead Services: Coordinating PO lead replacements. Preparing annual report
3. Unidirectional Flushing: Planning and scheduling for 2009 flushing season
4. Hydraulic Model: Supporting the Public Participation program, working with Black and Veatch on updates.

Water Main Design Projects – 2008/2009

Projects under design: University Avenue; NE Sewer Interceptor; Monona Drive; Spaight/S. Few; Fox/Keyes/S. Prospect; and S. Mills

Private contract design additions: Union South main relocation

Projects out for bid: Arbor/Knickerbocker;

Projects Waiting for Construction: East Washington Ave; Marston Avenue

Water Main Construction Projects – 2008

Completed Projects: American Center; State St.; Waubesa; Marquette/Sach St.; Dixon/St. Paul; Union Corners Hermina; N. Fourth St.; East Towne Mall Water Relocation; E. Gorham; E. Main (1st to 2nd); Capitol Square; W. Doty; Monroe/Randall; Kendall/Chestnut; Riverside/Yahara; Sherman Av.; Jenifer/Livingston; N. Dickinson; N. Pinckney; Park St.; Few/Baldwin St.; Leitch/Jean St.; Linden Park Ph. 6; Blackhawk 8th Addition Ph. 4; Silicon Park; Allis Av.; Allied Dr.; E. Main – Thornton to Dickinson; Eton Ridge/Rugby Row/Vista; Truax Water Main Ext.; Orchard St.;

Projects under construction: Starkweather/Clyde Gallagher: Project complete except for a connection delayed by bridge construction.

Maintenance Projects

1. Project to air burst Well 18 to re-establish capacity is slated to begin January 26, 2009. Waiting for new column pipe.
2. Received a replacement flow meter for Well 9 and our crews will be scheduled to install this new meter.

Unidirectional Flushing Operations and Sampling

1. Starting planning and scheduling for the 2009 UDF program.
2. Continue to analyze the UDF data for 2008 as a part of the Graduate Research program.

Well 29 Iron and Manganese Filter

1. Working on the interior block walls. Will be starting on the exterior walls the week of January 26th.
2. Filters were delivered and set in place. Media was loaded and certified by filter equipment vendor.
3. Project is on schedule and it is expected to be commissioned and operational by May 2009.

Zone 4 Water Supply Augmentation

1. Established a Citizen's Advisory Panel and held the first meeting January 22nd, 2009
2. Waiting for comments on the Scoping Document will then hold a public hearing on the project.

Arbor Hills Fire Flow

1. A draft letter was sent to Alder Tim Bruer that would set a public meeting for the project.
2. Project will be brought before the Water Board following the public meeting and a meeting of the project CAP.

Well 8 Iron and Manganese Mitigation

1. A draft scoping document, public participation plan, and communication plan has been sent to the Alders for comment.
2. Coordinating a meeting with Alder Rummel and Alder Palm to review the project scoping document and set a date for a public meeting.
3. The scoping document will be presented to the Board following the meeting with the Alders.

Zones 7 and 8 Supply Augmentation

1. A draft of the scoping document for the near west side supply augmentation was sent to the three Alders for review.
2. Meeting with Alders Clear, Gruber, and Pham-Remmele on January 28th to review the project scoping document and set a date for a public meeting.
3. The scoping document will be presented to the Board following the meeting with the Alders.

Wellhead Protection Plans – Wells 7, 11, 16, and 17

1. No further progress this month.

Graduate Research Project

1. Analyzing the 2008 flushing data and evaluating the needs for 2009. Formulating research objectives and sampling protocols for the coming summer flushing. Discussing the study areas and what variables to consider.
2. Operating the continuous on-line turbidimeter on the east side. We are looking to move it to the Well 13 area on the north side of the City to investigate unlined pipe and its contribution to water quality.

Training and Conferences

1. No training or conferences since the last report.