



## CITY OF MERRILL

### Water & Sewage Utility

2401 River Street • Merrill, Wisconsin • 54452  
Phone: 715.536.6561 • Fax: 715.539.2668

Smart Move

### NOTICE

RE: Water and Sewage Committee Meeting to be held **Wednesday, July 23, 2014** at 5:00 p.m. in the basement conference room of City Hall.

Voting members: Alderperson Rob Norton, Alderperson Kandy Peterson, and Alderperson John Burgener

The following items will be on the agenda:

1. Review of DNR Sanitary Survey Report.
2. Discussion of cross-connection inspection process, and related ordinance revision.
3. Operations Report.
4. Public Comment.
5. Next meeting.
6. Adjournment.

Reviewed by,

Rob Norton  
Committee Chairperson

The Merrill City Hall is accessible to the physically disadvantaged. If special accommodations are needed, please contact the Merrill City Hall at 536-6561.



July 02, 2014

Kim Kriewald, Utility Supervisor  
CITY HALL - 1004 E First Street  
Merrill, WI 54452

FILE REF:  
PWS ID#: 73501230  
Merrill Waterworks-MC  
Merrill, WI  
Lincoln County

Subject: Sanitary Survey Report

Dear Mr. Kriewald:

The purpose of a sanitary survey is to evaluate the system's source, facilities, equipment, operation, maintenance, and management as they relate to providing safe drinking water. The sanitary survey is also an opportunity to update the Department's records, provide technical assistance, and identify potential risks that may adversely affect drinking water quality.

On 06/17/2014, William Dobbins and Wendy Anderson conducted a sanitary survey of your water system, Merrill Waterworks. During the sanitary survey Kim Kriewald was present. At the completion of the survey, you were briefed on the preliminary findings. This report outlines the final findings, discusses problems that need to be addressed, and timelines for corrective action where appropriate.

A plan for corrective action, including a work schedule must be completed by 8/15/2014. A proposed corrective action plan and schedule is included below. Please contact me to discuss this before 8/15/2014. Depending on the type of corrective action you employ, you may need to obtain prior approval and submit additional plans to the Department.

#### System Summary

The system consists of four wells with vertical turbine pumps. Wells 1, 4 and 5 are directed to a central treatment plant where manganese removal filtration and joint chemical feeding is carried out. Well 3 feeds directly to the distribution system after chemical feed. Chemical addition consists of sodium hypochlorite for disinfection, fluoride for dental protection, and polyphosphate for corrosion inhibition. The system also has a booster station, two elevated towers and a distribution system.

#### Deficiencies

During the course of the sanitary survey, 2 deficiencies were identified. Deficiencies are problems in the drinking water system that have the potential to cause serious health risks or represent long-term health risks to consumers. These deficiencies may indicate noncompliance with one or more Wisconsin Administrative Codes. Corrective action should be completed for these deficiencies as soon as possible

<b>Deficiency</b>	<b>Compliance Due Date</b>	<b>Code Citation</b>
1. The system is not implementing a comprehensive Cross-Connection Control Program in the required manor. Commercial, Industrial and Public Authority facilities must meet required survey frequencies.	8/15/2014	810.15(1)
2. After the present construction season, send 2 updated copies of the water distribution map to this Department.	12/1/2014	810.26(2)

### **Recommendations**

During the course of the sanitary survey, 5 recommendations were identified. Recommendations are problems in the water system that hinder your public water system from consistently providing safe drinking water to consumers.

<b>Recommendation</b>
1. The two manganese pressure filter's air-vacuum relief valve piping should be fitted with downward facing screens.
2. The Utility should continue to update its comprehensive Emergency Operations Plan.
3. A complete fire flow study should be done on the distribution system.
4. The unaccounted for water should be reduced. This Department recommends; improved metering, increased water use accounting and a city wide leak detection program.
5. The Utility should continue to locate and replace all lead service connections.

### **Water Quality Monitoring and Reporting**

Your system has a good record of compliance with monitoring and reporting requirements.

We appreciate your sampler's continued efforts in complying with these Safe Drinking Water Act requirements.

### **Water System Security**

We recommend that you conduct a daily security check of your entire drinking water system to insure doors are locked and windows secured.

### **Capacity Development Evaluation**

This sanitary survey serves as an evaluation of the capabilities of your water system. This system has been determined to have adequate technical, managerial and financial capacity to provide safe drinking water. The ability to plan for, achieve, and maintain compliance with applicable drinking water standards has been demonstrated.

### **System Summary Information**

A water system summary is attached. Please review for accuracy. If there are changes that need to be made, contact William Dobbins at 715-365-8923.

The next sanitary survey of your system is scheduled to take place in 2017. You will be contacted prior to the survey to schedule a date that is convenient for you.

### **Required Action**

Please respond by 8/15/2014 with notification that all deficiencies have been corrected, or that you agree to correct the deficiencies identified in this letter by the due dates, or with alternative dates for correcting these deficiencies. Failure to respond to this letter by 8/15/2014 may result in enforcement activities.

If you have any questions, you can reach me by phone at 715-365-8923, by fax at 715-365-8932, by e-mail at [william.dobbins@wisconsin.gov](mailto:william.dobbins@wisconsin.gov), or by postal mail at the address on this letterhead.

Sincerely,



William G. Dobbins, P.E.  
Regional Drinking Water Engineer

Encl.

Cc Wendy Anderson, Green Bay DNR  
Bureau of Drinking Water/Groundwater - DG/5

<<ENTER YR>><<ENTER MONTH>><<ENTER AGENDA NO.>>

**CITY OF MERRILL**  
1004 EAST FIRST STREET  
MERRILL, WI 54452-2586

AN ORDINANCE: By Board of Public Works  
Re: Amending Chapter 38, Article II, Division 3,  
Section 38-81(c) to designate acceptable  
cross-connection inspectors

ORDINANCE NO. 2014-  
Introduced: \_\_\_\_\_  
1st Reading: \_\_\_\_\_  
2nd Reading: \_\_\_\_\_  
3rd Reading: \_\_\_\_\_  
Committee/Commission Action: \_\_\_\_\_

**AN ORDINANCE**

The Common Council of the City of Merrill, Wisconsin, does ordain as follows:

**Section 1.** Chapter 38, Article II, Division 3, Section 38-81(c) of the Code of Ordinances for the City of Merrill is amended to add the following:

*(c) Inspections.* It is shall be the statutory duty of the water utility to cause inspections to be made of all properties served by the public water system where cross connections with the public water system is deemed possible. The frequency of inspections and reinspections based on potential health hazards involved shall be as established by the water utility and as approved by the W Department of Natural Resources. The owners of all properties within the City of Merrill, except for one and two family residences, shall provide documentation from a Wisconsin licensed plumber or Wisconsin credentialed cross-connection contractor, that all property connected to the City's water supply is in compliance with all local and State of Wisconsin statutory cross-connection requirements.

**Section 2. Severability.** In the event any section, subsection, clause, phrase or portion of this ordinance is for any reason held illegal, invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision, and such holding shall not affect the validity of the remainder of this ordinance. It is the legislative intent of the Common Council that this ordinance would have been adopted if such illegal provision had not been included or any illegal application had not been made.

**Section 3. Repeal and Effective Date.** All ordinances or parts of ordinances and resolutions in conflict herewith are hereby repealed. This ordinance shall take effect from and after its passage and publication.

Moved by: \_\_\_\_\_

Adopted: \_\_\_\_\_

Approved: \_\_\_\_\_

Published: \_\_\_\_\_

Approved:

\_\_\_\_\_  
William R. Bialecki,  
Mayor

Attest:

\_\_\_\_\_  
William N. Heideman, City Clerk

July 18, 2014

TO: Water & Sewage Committee

FROM: Kim Kriewald, Utility Superintendent

RE: Operations Report

Water & Sewer Operations & Water Recycling Operations aka Wastewater Operations

Some spreading of biosolids has started; emptied about ½ of the storage shed

Generator work at the WWTP is winding down; have had some startup electrical issues – MCC change over should be completed this week

Have had 7 service leaks reported in the last 2 months – only 1 that the utility was required to repair

West main Street force main & water main river crossing project is nearing completion

System routine cleaning continues on the sewer collection system – have done some root cutting

Check of all main water gates has been completed – (6<sup>th</sup> Ward)

Worked on recommended changes identified during DNR Sanitary Survey

Started with routine meter changes

Exterior painting of wells

Keeping up with mowing grass

Landfill inspection by DNR on the 21<sup>st</sup> – report to follow next month.

Respectfully submitted,

  
Kim Kriewald  
Utilities Superintendent

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