

Ordinance No. 1995-2
Township of Ely
County of Marquette
Adopted: September 21, 1995
Effective: October 20, 1995

Cross Connection Control Program

1. Introduction

In accordance with the requirements set forth by the Michigan Department of Public Health, the Township of Ely has officially adopted by the State of Michigan cross connection control rules to protect the Township of Ely public water supply system. "Cross Connection" is defined as a connection or arrangement of piping or appurtenances through which a backflow would occur. "Backflow" means water of questionable quality, waste or other contaminants entering a public water supply system due to a reversal of flow. The Cross Connection control program will take effect immediately upon approval by the Michigan Department of Public Health.

2. Local Ordinance

The authority to carry out and enforce a local Cross Connection control program will be in accordance with Township Ordinance. (See page 9 of the Cross Connection Rules Manual.)

3. Local Inspection

The water superintendent and/or his designated agent shall be responsible for making the initial Cross Connection inspections and re-inspections to check for the presence of Cross Connections with the municipal water supply system. Individuals responsible for carrying out the Cross Connection inspections and re-inspections shall have obtained necessary training through any available manuals on Cross Connection prevention, including the Cross Connection Rules Manual as published by the Michigan Department of Public Health, and attendance at any Cross Connection training sessions sponsored by the Michigan Department of Public Health or other recognized agencies.

4. Schedule for Inspections

The schedule for inspections shall be in accordance with the following general outline:

1. Known or suspected secondary water supply Cross Connections shall be inspected first (surface water, class three wells, recirculated water, etc.).

2. Known or suspected submerged inlet Cross Connections will be inspected next.

In general, emphasis will be placed on making inspections initially of all industrial and commercial establishments or where Cross Connections are known or suspected to exist. A general areal review will follow in a logical sequence as time permits. Emphasis will be placed on inspecting all industrial and commercial establishments within a period of six months following approval of this program.

5. **Schedule for Re-inspection**

In order to assure against the hazards of Cross Connections, it will be necessary to periodically and systematically re-inspect for the presence of Cross Connections. The schedule for re-inspection shall be in accordance with the schedule as noted on page 43 of the Cross Connections Rule Manual. Whenever it is suspected or known that modifications have taken place with piping systems serving a particular water customer, re-inspections of the premise will be made.
6. **Protective Devices**

The methods to protect against the hazards of Cross Connections as outlined on pages 37 and 39 of the Cross Connection Rules Manual will be incorporated into the Township Cross Connection control program. Whenever any deviation from the recommended methods of protection is contemplated, approval from the Michigan Department of Public Health shall be first obtained.
7. **Compliance Time**

The time allowed for correction or elimination of any Cross Connection found shall be as follows:

 1. Cross Connections which pose an imminent and extreme hazard shall be disconnected immediately and so maintained until necessary protective devices or modification are made.
 2. Cross Connections which do not pose an extreme hazard to the water supply system but nevertheless constitute a Cross Connection should be corrected within a reasonable period of time. The length of time allowed for correction should be reasonable and may vary depending on the type of device necessary for protection. The water utility shall indicate to each customer where a Cross Connection is found to exist the time period allowed for compliance (30 to 60 days usually sufficient time for small devices).
8. **Annual Reporting and Record Keeping**

Sufficient data to complete an annual report to the Michigan Department of Public Health and to monitor the program adequately for township purposes will be maintained by the township water department and their responsible agents. An inspection form (as noted on page 21 of the Cross Connection Rules Manual) will be used during the initial inspection procedure. Re-inspection forms will be used to monitor the status of the protective device as well as the test results reported by a qualified backflow preventer tester and also for re-inspection for Cross Connections.

TOWNSHIP OF ELY

By: Kenneth A. Tuominen, Supervisor

Attest: David J. Bleau, Clerk

CROSS CONNECTION CONTROL PROGRAM

The Ely Township Board, Marquette County, by resolution adopted on September 21, 1995, hereby established the following Cross Connection Control Program for the Ely Township water supply.

The Township water supply operator shall conduct the program under the supervision of the Township Board and shall enforce the Ely Township Cross Connection Ordinance adopted September 21, 1995, and shall enforce the State Cross Connection Control regulations, in the following manner:

1. Non-residential customers, (6 in number), will be inspected for compliance within six months of this date.
2. Residential customers known or suspected to have a Cross Connections such as a private well or a treated hot water heat system (10 in number), will be inspected for compliance within one year.
3. Customers with Cross Connections that might allow sewage or toxic chemicals to enter the water system will be disconnected from the system until corrections are made, due to extreme health hazards involved.
4. Customers found in violation, but without extreme hazards will be given time, not to exceed 120 days, to make corrections and will be notified in writing of the require corrections.
5. Customers notified to make correction will be re-inspected for compliance within 150 days of the notice.
6. After compliance is established, non-residential customers with protective devices will be re-inspected annually.
7. Residential customers without Cross Connection problems will not be re-inspected. Those which require a protective device will be re-inspected annually.
8. Non-residential customers without protective devices will be inspected each two years to assure continued compliance.
9. All new customers will be inspected and brought into compliance before turn-on.
10. Michigan Department of Public Health approved Cross Connection protection devices or protective methods will be required in accord with Michigan's Cross Connection Rules Manual.
11. Appropriate records will be maintained by the Township office and will be employed for preparation of the annual report to the Michigan Department of Public Health.