

of the tank. If the tank is to remain in service during the inspection or the water will be sent to the distribution system following the inspection, all of the following requirements apply:

1. A minimum 0.5 mg/l chlorine residual shall be maintained in the tank throughout the inspection.
2. All equipment shall be dedicated for potable water use and is disinfected with a 200 ppm chlorine solution.
3. For all concrete ground reservoirs with cracks or signs of leakage, the top shall be soaked with water and the interior shall be checked for leaks.
4. A minimum of 2 bacteriologically safe samples shall be obtained from the tank after the inspection, one following the inspection and one 24 hours later.
5. A minimum pressure of 35 psi shall be maintained throughout the distribution system during the inspection.

(c) *Diver inspections.* Diver inspections shall involve the use of a commercial diver tethered to, and in communication with, the outside. Procedures shall be done in accordance with Section 4.4 of AWWA Standard C652-02 and Section 12.0 of the Consensus Standards for Commercial Diving and Underwater Inspection. The department recommends that the tank be removed from service during the inspection. If the tank is to remain in service during the inspection or if the water will be sent to the distribution system following the inspection, all of the following requirements apply:

1. A minimum 0.5 mg/l chlorine residual shall be maintained in the tank throughout the inspection.
2. All equipment shall be dedicated for potable water use and shall be disinfected with a 200 ppm chlorine solution. The inspector shall also be disinfected.
3. The inspection of the tank shall be done after the sediment is removed from the bottom of tank and shall include a visual inspection of any expansion joints.
4. For all concrete ground reservoirs with cracks or signs of leakage, the top shall be soaked with water and the interior shall be checked for leaks.
5. A minimum of 2 bacteriologically safe samples shall be obtained from the tank after the inspection, one following the inspection and one 24 hours later.

(d) *Robotic inspections.* Robotic inspections shall involve a rover unit with a fiber optic tether and video camera and shall include cleaning capabilities. If the tank is to remain in service during the inspection or if the water will be sent to the distribution system following the inspection, all of the following requirements apply:

1. A minimum 0.5 mg/l chlorine residual shall be maintained in the tank throughout the inspection.
2. All equipment entering the tank shall be dedicated for potable water use and be disinfected with a 200 ppm chlorine solution.
3. For all concrete ground reservoirs with cracks or signs of leakage, the top shall be soaked with water and the interior shall be checked for leaks.
4. A minimum of 2 bacteriologically safe samples shall be obtained from the tank after the inspection, one immediately following the inspection and one 24 hours later.

(3) DEPARTMENT NOTIFICATION. The department's regional drinking water staff person shall be given 48 hours prior notice of the date and time of the inspection.

(4) INSPECTION REPORT SUBMITTAL. Upon completion of the water storage facility inspection, a completed department report form shall be submitted to the department's regional drinking water staff person documenting the condition of the storage facility. The water supplier shall submit copies of any additional reports and videos prepared by the inspector.

Note: The report forms are available from the department's regional or central office drinking water program staff.

(5) MANHOLE COVER GASKET. Following all inspections and maintenance, the integrity of the gasket between the access manhole cover and curbing shall be checked and replaced if necessary to prevent the entrance of dust and insects. If no gasket is present,

one meeting s. NR 811.64 (7) requirements shall be provided to prevent the entrance of dust and insects.

History: CR 09-073: cr. Register November 2010 No. 659, eff. 12-1-10.

NR 810.15 Cross connections and interconnections. Unprotected cross-connections are prohibited. Cross-connections shall be protected as required in s. SPS 382.41. Water system interconnections are prohibited except as provided in sub. (2). In addition the following requirements shall be met:

(1) CROSS CONNECTION CONTROL PROGRAM. In order to protect the public water supply system, the water supplier for every municipal water system shall develop and implement a comprehensive cross connection control program for the elimination of all existing unprotected cross-connections and prevention of all future un-protected cross connections to the last flowing tap or end-use device. The program may include providing public education materials in lieu of inspections of low hazard portions of residential or commercial facilities. Low hazard areas consist of normal kitchen and bathroom fixtures. The water supplier shall keep a current record of the cross connection control program available for annual review by the department. The cross connection control program shall include:

(a) A complete description of the program and the administration procedures, including designation of the inspection or enforcement agency or agencies.

(b) Local authority for implementation of the program, such as ordinance or other governing rule.

(c) A time schedule for public education materials, surveys and follow up surveys of consumer premises for cross connections including appropriate record keeping. Unless otherwise authorized by the department, water suppliers for each municipal water system shall cause a survey to be conducted for every residential service a minimum of once every ten years or on a schedule matching meter replacement. Public educational materials, when being provided in lieu of low hazard inspections, shall be provided to the customer no less than every 3 years and with every cross connection survey. Unless a detailed alternative schedule is included in the cross connection control program and is approved by the department, water suppliers for each municipal water system shall cause a survey to be conducted for every industrial, commercial and public authority service a minimum of once every 2 years. Commercial properties of similar or lesser risk to residential properties may follow the same schedule as residential properties. Completed survey results shall be maintained by the water supplier until corrections and follow up surveys have been made.

(d) A complete description of the methods, devices, and assemblies which will be used to protect the potable water supply. Compliant methods, devices and assemblies are listed in s. SPS 382.41.

(e) Provisions for denial or discontinuance of water service, after reasonable notice, to any premises where an unprotected cross connection exists or where a survey could not be conducted due to denial.

(f) Submission to the department of a copy of an ordinance establishing a cross connection control program, an annual report including a total number of all service connections by category, and a report indicating the number of surveys completed in each category for that year.

(2) INTERCONNECTIONS WITH OTHER ACCEPTABLE WATER SOURCES. Interconnections between the public water supply system and another source of water are prohibited unless permitted by the department in individual cases. Approval of the department shall be obtained prior to the interconnection.

History: CR 09-073: cr. Register November 2010 No. 659, eff. 12-1-10; correction in (intro), (1) (d) made under s. 13.92 (4) (b) 7., Stats., Register January 2012 No. 673.

NR 810.16 Local well regulation program. Water suppliers for municipal water systems and communities served by a municipal water system, shall implement a program for the regulation of wells which are not part of the municipal water system and are located on premises served by the municipal water system.