

BOARD OF WATER COMMISSIONERS  
Thomas J. Murphy, President  
Erika Pocock, Vice President  
Robert M. Berkmoes, Secretary & Treasurer  
Rudolph Cabata  
Michael S. Domain  
Ralph Warner



William M. Casarella, Superintendent  
Albert T. Fiorillo, Assistant Superintendent  
Maria Nason, Office Supervisor  
605 West Queen Street  
P.O. Box 111  
Southington, CT. 06489-0111  
(860) 628-5593 -Fax (860) 621-0491

## **PRIVATE WELL ABANDONMENT**

As of February 6, 1992, any future customer with an existing or private well must abandon their well in accordance with Section 25-128-56 and Section 25-128-57 of the State of Connecticut Well Drilling Code.

Any existing service that was tapped before February 6, 1992 may retain an existing well for outside use if they agree to completely separate the well plumbing from the public water plumbing and agree to allow the Southington Water Department to inspect their plumbing at least once every 5 years.

### **ADMINISTRATIVE REGULATIONS DEPARTMENT OF CONSUMER PROTECTION Well Drilling**

#### **Sec. 25-128-56 Abandonment of wells, responsibility**

Any well that is abandoned shall not be a source or cause of contamination or pollution of ground water resources. Abandonment procedures shall be performed or directed only by a registered well driller. The registered well drilling contractor who performs the work of abandonment shall be responsible for compliance with the procedure of the well, as provided in this part and shall notify the local health authority of the abandonment of the well.

#### **Sec. 24-128-57 Procedure of abandonment**

In the event of abandonment of any water well or other type of well the proper procedure and materials shall be used as follows:

- (a) The well shall be plugged to prevent any surface water, circulation of water between or among producing zones, or any other process resulting in the contamination or pollution of ground water resources
- (b) In the event of temporary abandonment or discontinuance of the use of any well, the well shall be sealed with a watertight cap or seal, as provided by Section 25-128-42 (c)
- (c) The well shall be chlorinated prior to abandonment using a chlorine solution with a minimum concentration of one hundred fifty parts per million (150 ppm) of chlorine.

This is equivalent to 5.5 quarts of bleach at 2.25% available chlorine to (500} gallons of water or three hundred thirty-three (333} feet of six (6) inch diameter well.

- (d} The well shall be checked from land surface to the entire depth of the well before it is sealed, to insure against the presence of any obstruction that may interfere with sealing operations.
- (e} The well bore shall be filled and sealed with any of the following materials: heat cement grout, sand cement grout, bentonite clay grout, or sand clay or bentonite cement grout.
- (f} The grout material shall be placed in such a way to prevent voids in the grout or dilution of the grout.
- (g} Any well constructed in a consolidated rock formation, may be filled with fine sand in the zone or zones of consolidated rock. The top of the sand fill shall be at least (10) feet below the bottom of the casing, and the remaining portions of the well shall be filled with any of the materials specified in subsection (e).
- (h} Any test well or bore shall be abandoned in such a manner that it does not become a channel for the vertical movement of water or other substance to the potable ground water resources.
- (i} Deep waste disposal or oil wells with casings free of any breaks, and extending below the potable water zones, may be sealed with a watertight cap or welded plate.
- (j} Upon completion of abandonment of the well, the top of the casing or grout material may be terminated at least (4) feet below the ground surface.