

§ 25-128-54

Department of Consumer Protection

Sec. 25-128-54. Maintenance and repair of wells and pumping equipment

All wells shall be maintained in a proper condition to conserve and protect ground water resources, and shall not be a source or cause of contamination or pollution of the water supply of any aquifer. All materials and construction practices used in the maintenance, repair, or replacement of any well shall be the same as those required for the construction of a new well. All maintenance, repair, hydrofracturing, developing, and replacement work shall be done only by a registered well driller, or by a licensed plumber or electrician, as provided by Section 25-129 of the General Statutes, and Articles 5 and 6 of the regulations.

(Effective May 21, 1993)

Sec. 25-128-55. Promulgation of construction standards

The regulations for the construction, maintenance, and repair of wells, as provided herein shall be promulgated in cooperation with the State Department of Health Services and the Department of Environmental Protection.

(Effective September 27, 1978)

Sec. 25-128-55a. Period of responsibility

The well drilling contractor shall be responsible for a period of one (1) year from the date of completion of work performed on the well to insure that the physical construction of the well meets the requirements of this code. The contractor shall not be responsible if work has been performed on the well by others, or if activities by others in the vicinity of the well have adversely affected the well.

(Effective May 21, 1993)

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 abandonment of the well, as provided in this part and shall notify the local health authority of the abandonment of the well.

(Effective May 21, 1993)

Sec. 25-128-57. 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 the entrance of 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 five hundred (500) gallons of water or three hundred thirty-three (333) feet of six (6) inch diameter well.

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(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 will 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 ten (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 ground water zones, may be sealed with a water-tight 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 four (4) feet below the ground surface.

(Effective May 21, 1993)

Secs. 25-128-58.

Repealed, May 21, 1993.

Sec. 25-128-58a. Contractor-limited to well water-supply drilling W-1

As provided by Section 25-129 of the General Statutes, the Board hereby establishes certain requirements for the registration of well drilling contractors. This registration permits the registrant to construct a well, including but not limited to, the installation, repair and maintenance of pumps, pump motors, pump piping, valves, wiring, electric controls and tanks. Before any registration is issued to any individual the Board shall require that the applicant submit:

- (1) His full, legal name, street address, city, state and zip code;
- (2) A certificate of liability insurance specifying well drilling purposes and providing liability coverage for bodily injury of at least one hundred thousand dollars (\$100,000) per person with an aggregate of at least three hundred thousand dollars (\$300,000), and for property damage of at least fifty thousand dollars (\$50,000) per accident with an aggregate of at least one hundred thousand dollars (\$100,000);
- (3) Documentation that he has been actively engaged in the well drilling trade as a well driller for a period of thirty-six (36) months prior to the date of his application and/or has held a valid W-2 registration for at least two years;
- (4) The name(s) and address(es) of his employee(s) who holds a master driller registration;
- (5) Letters of references from a Connecticut registered well contractor, a local public health official and one (1) other responsible citizen which attest to the applicant's integrity and ability to act as a well driller; and