

CHAPTER 6 WATER SUPPLY WELLS

SECTION 6.1 DEFINITIONS

For the purpose of this Chapter,

“Abandon” means to permanently discontinue the use of a well and render it unusable in the future. This involves removing any pump, piping or other appurtenances in the borehole and sealing the opening with soil, grout, cement or other approved material to prevent the borehole from acting as a conduit to the underlying aquifer.

“Domestic Purposes” means drinking, bathing, washing of clothes and dishes, cooking, and other common household uses.

“Licensed Well Driller” means a contractor possessing a W-1 license from the Department of Consumer Protection or a W-2 license only while the registrant is in the direct and regular employment of a contractor registered for such work.

“Repair” means any work involved in the reaming, sealing, installing, changing or extending of casing, depth, perforating, screening, cleaning, acidizing, surging, hydro fracturing or other redevelopment of a well.

“Water Supply Well” means an artificial excavation or boring, constructed by any method, for the purpose of obtaining water for drinking or Domestic Purposes.

SECTION 6.2 WATER SUPPLY WELL REQUIREMENTS FOR PERMITS

- A. No person, firm or corporation, hereafter referred to as the applicant, shall construct or develop a Water Supply Well nor shall they Abandon or Repair an existing Water Supply Well within the Health District without first submitting all pertinent information on a form supplied by the State of Connecticut Well Drilling Board, and having it reviewed, approved and signed by the Director of Health or an Environmental Health Specialist.
- B. The applicant shall be a properly Licensed Well Driller.
- C. The applicant shall demonstrate that the location of the proposed well meets the requirements specified in Section 19-13-B51d of the Connecticut Public Health Code. The Director of Health or Environmental Health Specialist may make a site visit to ensure that the proposed well location meets said requirements.

SECTION 6.3 WELL COMPLETION REPORT

The Licensed Well Driller shall file a well completion report with the Connecticut Well Drilling Board and the Health District upon completion of the well installation, abandonment or repair work. This report shall include details on the work completed as prescribed on the report form.

SECTION 6.4 DRINKING WATER WELL TESTING AND CONDITIONS FOR APPROVAL FOR USE

No person, firm or corporation shall use or permit to be used any water from any newly constructed water supply unless there has been compliance with the following requirements:

- A. The results of a water analysis, as conducted by a laboratory licensed or otherwise approved by the Connecticut Department of Public Health, is submitted to, reviewed, and approved by the Health District. Such water analysis shall be done in accordance with, and consist of tests required in, Section 19-13-B101 of the Connecticut Public Health Code. The Health District may require additional testing parameters including, but not limited to, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), extractable total petroleum hydrocarbons (ETPH), pesticides, herbicides, metals including arsenic, and radionucleotides including uranium, radium and radon prior to approval. The Health District reserves the right to collect, or have collected, samples for analysis at the Health District's expense to confirm analytical data presented by another party.
- B. The results of the water analysis meet water quality standards established by the Connecticut Department of Public Health.
- C. A well completion report, as issued by the Connecticut Well Drilling Board, has been submitted to, reviewed by, and approved by the Health District.
- D. Written approval, in the form of a Certificate of Approval, has been issued by the Health District. The water test must be accompanied by the appropriate water test review fee as set by the Board of Health.

SECTION 6.5 CONDITIONS OF APPROVAL FOR DRINKING WATER NOT MEETING THE ESTABLISHED WATER QUALITY STANDARDS

- A. If the results of a water analysis, as conducted by a Connecticut licensed laboratory, do not meet the secondary established water quality standards, but do not indicate the existence of a substantial public health risk, approval shall be given. Notice and advice shall be given to the well owner concerning those concentrations not meeting the established water quality standards.
- B. If the results indicate a substantial public health risk such as the presence of coliform bacteria, the District may require well treatment or the installation of a water treatment system. If treatment fails to bring the water into compliance, as stated in the Connecticut Public Health Code, the Director of Health will not grant approval to use the water supply.