



## CHESPROCOTT HEALTH DISTRICT

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### SUMMARY OF A REGULATION REGARDING UNDERGROUND FUEL OIL TANKS

The purpose of the regulation is to prevent or minimize contamination of the waters of the district which may result from a failure of underground facilities which store oil and other petroleum liquids.

#### EXISTING TANKS

- 1) Effective December 1, 1986 any existing underground fuel tank facility shall be registered with the local Director of Health.
  - a) Residential and non-residential tanks less than 2100 gallons.
    - i) Life expectancy of 15 years – must be tested within 33-36 months prior to age 15 years
    - ii) Tested every three years thereafter
      - (1) Results shall be reported regularly to the Health District
    - iii) Detection of leak indicates tank must be emptied immediately, removed, repaired, or abandoned within ninety (90) days (see B1a&b).
  - b) Recommend tanks be removed (while still intact) (prior to failure)
    - i) UFOT shall be removed or abandoned in accordance with procedures specified in NFPA 30 (National Fire Protection Association)
      - (1) Removal shall be done by a tank removal operator who shall:
        - (a) Notify health district and fire marshal's office to be present to witness said removal
        - (b) Sample soil under or around tank if required by witnesses
        - (c) Safely remove tank to appropriate facility for proper disposal
        - (d) Safely remove contaminated soil if necessary and dispose of in a DEP approved manner
      - (2) An abandoned tank must be rendered unfit to use and may be left in place if:
        - (a) Opened and thoroughly cleaned inside
        - (b) Soil beneath tank sampled for contamination
        - (c) Appropriately filled and covered
        - (d) Health district representative and fire marshal representative is present to witness said abandonment
    - ii) Leaking UFOT and/or transmission lines must be reported to Health District immediately.

#### NEW TANKS

- 2) Any residential or non-residential owner and/or operator who wishes to install a UFOT of less than 2100 gallons which is not regulated by the State of Connecticut regulation 22a-449(d)-1 shall submit an application for a permit to the Health District 15 days prior to installation.
  - a) Permit application should include:
    - i) Name and address of owner and installer
    - ii) Type of tank – must be listed steel or F.R.P. (fiberglass reinforced plastic)

- iii) Number of gallons
  - iv) Years of guarantee
  - v) Cathodic protection and monitoring device (steel only)
  - vi) Contact plates
  - vii) Overfill protection
  - viii) Safety shield or sleeve on buried transmission lines
  - ix) Type of petroleum
  - x) Protective coating (steel only)
  - xi) Name and location of manufacturer
- b) If the application is approved, proper installation shall consist of:
- i) Tank 24-36 inches below grade
  - ii) Excavation of at least 1' around perimeter of tank
  - iii) Firm and level bottom
  - iv) Bottom of hole shall be covered with 12" of sand, pea gravel, or #8 crushed stone
  - v) Full length concrete pad
  - vi) Placement of an additional 6" to 12" of sand, pea gravel, or #8 crushed stone on top of concrete pad
  - vii) Tank is to be placed on top of sand, pea gravel, or #8 crushed stone
  - viii) Remaining fill shall consist of at least 6" of sand, pea gravel or #8 crushed stone
    - (1) Ashes, stones, and other corrosive materials are not to be placed in excavation hole
- c) Health District shall be notified for an inspection prior to backfilling of tank
- d) Tank shall be pressure tested before completely being covered or put to use
- i) All buried transmission lines shall have safety shield or sleeve installed
  - ii) Health District shall be notified within 30 days so a final inspection can be made
- e) All newly installed steel tanks shall be tested annually by owner using voltage regulator
- i) Structure to soil test voltage reading of at least negative 0.85 volts measured between structure and cooper sulfate electrode must be maintained
  - ii) Yearly records of these readings are to be kept by owner
  - iii) Malfunction must be reported to Health District and repaired immediately