

SECTION SEVENTEEN

AQUIFER PROTECTION DISTRICTS

17-00

17-01 AQUIFER PROTECTION DISTRICT - PURPOSE

Pursuant to the authority conferred by Section 8-02 of the Connecticut General Statutes and in the interest of securing the public health, safety, and general welfare, to preserve the quality and quantity of the Town's ground water resources in order to ensure a safe and adequate water supply for present and future generations; and to preserve ground water resources currently in use and those aquifers having a potential for future use as a public water supply, the provisions of this section shall apply to all properties which lie within that portion of any district which is designated as an Aquifer Protection District as defined herein, the boundaries of which are indicated on maps entitled "Ground Water Zones, Town of Southington, Connecticut" as delineated on townwide photogrammetric mapping at a scale of 1" = 200' as prepared by Fuss & O'Neill. These maps and regulations and any amendments thereto are made an integral part of these Regulations and the Official Zoning Map, as overlay districts of the Town of Southington.

17-01.1 Definitions

For the purpose of this Section certain words and terms shall have the meanings as listed below. Questions as to the precise meaning of other words and terms shall be determined by the Commission and Section Two herein.

- A. Aquifer - A geologic unit of stratified drift capable of yielding useable amounts of water.
- B. Aquifer Protection District - The areas identified as GAA, GAAs, GA1, GA2, and GB/GAA on the 1"=200' scale maps identified per Section 17-01 are to be governed by the regulations set forth herein.
 - 1. GAA Districts - Aquifers currently used as a source of drinking water supply.
 - 2. GAAs Districts - Aquifers that recharge a surface water body currently used as a source of drinking water supply.
 - 3. GA1 Districts - Aquifers that are not currently being used as a source of drinking water supply but have a potential to be developed as future sources of drinking water supply on a municipal scale based upon existing land use and hydrogeologic data.
 - 4. GA2 Districts - Stratified drift deposits that serve as secondary recharge areas adjacent to GAA or GA1 zones.

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5. GB/GAA Districts - Aquifers which have been contaminated and have been used or are currently being used as a source of drinking water supply. Water from these resources requires treatment or dilution prior to potable use.
- C. Contamination - The degradation of natural water quality as a result of human activities to the extent that its usefulness is impaired.
- D. GA Districts - Ground water basins in stratified drift or till areas which have limited potential as a municipal scale water supply.
- E. GA3 Districts - glacial till deposits that serve as limited recharge areas adjacent to GAA, GA and GA2 Districts.
- F. GB Districts - Ground water basins in stratified drift or till areas which have been contaminated but can be used as a source of drinking water supply provided the water is properly pre-treated.
- G. GB/GA2 Districts - Stratified drift deposits that serve as secondary recharge areas and have been contaminated.
- H. Ground Water - Water in the subsurface zone beneath the water table in which all pore spaces are completely saturated.
- I. Hazardous Material - Material which may pose a present or potential hazard to human health or the environment when improperly stored, transported or disposed of or otherwise managed including without exception hazardous waste identified and listed in accordance with Section 3001 of the Resource Conservation and Recovery Act of 1976 (PL94-580) and the subsequent regulations promulgated in the Federal Register.
- J. Solid Wastes - Unwanted or discarded materials, including solid, liquid, semisolid or contained gaseous material.
- K. Secondary Recharge Area - That area contiguous to GAA, and GA Districts from which rainfall that infiltrates the ground moves laterally to enter the aquifer and identified on the photogrammetric maps (1" = 200') as GA2 Districts.
- L. Stratified Drift - Unconsolidated sorted sediment composed of layers of sand, gravel, silt or clay, deposited by meltwater from glaciers.

17-02 GENERAL PROVISIONS

17-02.1 The provisions in this section are not intended to repeal, abrogate, or annul any portion of these Regulations, existing State and Federal Regulations, or existing easement, covenants or deed restrictions. In any case where there is a conflict, whichever imposes the more stringent restriction shall apply.

17-02.2 Establishment of Aquifer Protection District Boundaries:

The GAA, GAAs, GA1, GA2 and GB/GAA Districts, as delineated on the maps specified in Section 17-01 herein, are adopted as the regulatory boundaries subject to the provisions herein and those provisions prescribed in Section 17-02.1.

17-02.3 All uses which are permitted in the underlying zones shall be permitted in these aquifer protection districts with the following exceptions, restrictions and requirements:

A. Prohibited Uses

1. The disposal, storage, or treatment of hazardous and solid waste material.
2. Road salt storage and loading areas.
3. Dry wells directly connected to any floor drain, wash basin, sink, or paved parking areas.
4. Outside storage of any materials which, in the opinion of the Planning and Zoning Commission, could contaminate ground water resources.
5. Filling stations
6. Cemeteries
7. Special Exception Uses per Section 5-02.3 (A-E inclusive) herein except that the processing of earth materials shall be permitted.

B. Underground Storage of Fuels

1. Any proposal to install an underground fuel storage tank shall obtain an application and permit from the local Fire Marshall. The applicant shall notify the Fire Chief at least 24 hours in advance of all work.
2. All underground tanks shall be double-hulled steel or fiberglass encased in a concrete vault and shall be installed per Section 29-62 of the General Statutes.

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- C. Site Plans for an industrial or commercial use per Section 9 of these Regulations shall be accompanied by a written statement which describes the proposed use and operations.

- D. When a question arises as to a proposed use (principal and/or accessory) and its potential to degrade or contaminate the aquifers designated for protection herein, the Commission shall solicit input from the State Department of Environmental Protection and the State Department of Health Services. Each application shall include any necessary Federal or State permits, unless waived by the Commission.