

**TOWN OF GLASTONBURY  
GLASTONBURY, CONNECTICUT**

**WATER POLLUTION CONTROL AUTHORITY  
STATEMENT OF POLICY**

**SANITARY SEWER IMPACT REPORT**

It is the responsibility of the Water Pollution Control Authority (WPCA) to see that an overloaded condition does not result in the sanitary sewer lines, pumping stations, and treatment plant. Therefore, the WPCA has determined the need to analyze further impact on the sanitary sewer system that results from a proposed development.

It is the purpose of this policy to allow the WPCA to accurately assess the impact produced by a proposed development. Therefore, the WPCA may require the applicant(s) of any proposed development, where the average daily sewage flow to be generated is 3,000 or more gallons per day (including infiltration), to submit a sanitary sewer impact report. If the average daily flow is less than 3,000 gallons per day (including infiltration), the applicant(s) shall submit written confirmation of such flows to the WPCA for review and approval. All flow computations shall be based on the values assigned herein.

In order to assure that all sanitary sewer impact reports are based on similar design criteria, the following values will be assigned:

1. Peak Factor = 2.7
2. Infiltration Rate (if applicable)
  - a. Reinforced Concrete Pipe (RCP)  
 $\frac{\text{Length of Pipe}}{5,280} \times 500 \text{ gal.} \times \text{inch dia.} \times 1 \text{ day} = \text{gal/day}$
  - b. Polyvinylchloride Pipe (PVC)  
 $\frac{\text{Length of Pipe}}{5,280} \times 100 \text{ gal.} \times \text{inch dia.} \times 1 \text{ day} = \text{gal/day}$
3. People Per Unit (based on CRCOG study)
  - a. Single Family Dwelling – 3.8
  - b. Duplex Dwellings – 5.4
  - c. Apartments or Condominiums
    - (1) One Bedroom – 1.6
    - (2) Two Bedroom – 2.7
    - (3) Three Bedroom – 3.2
4. Sanitary Sewage Flows Generated
  - a. 72 gallons per person per day for residential developments (based on actual study)

- b. \*2,000 gallons per acre per day commercial developments
- c. \*2,000 gallons per acre per day for industrial developments

\*These values may be adjusted by the WPCA depending upon the type of the proposed development.

In addition, the following information must be included in the report:

1. Type of zone
2. Number of acres
3. Number of units
4. Bedrooms per unit
5. If there is a proposal to change the density from the existing underlying zone, a comparison of the flows generated from the proposed density to the existing density should be analyzed to determine the increase or decrease in the flows.
6. Such additional information as the WPCA may require, including updating of any sanitary sewer impact report filed previously.

When submitting a proposed development for review and approval, the following steps should be followed:

1. Preliminary review by the Town Plan and Zoning Commission of basic concept and density change, if any, of the proposed development.
2. Submittal of sanitary sewer impact report by the applicant(s) to the WPCA.
3. WPCA recommendation to the Town Plan and Zoning Commission