

## Jeanne Guthrie

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**From:** Bob Murchison <bob.murchison@me.com>  
**Sent:** Friday, January 03, 2025 11:29 AM  
**To:** 'Zachary McBride'  
**Cc:** Zach McBride; Jeanne Guthrie; Jeremy Marsette; 'Paul Haverty'  
**Subject:** BOH Section 8.0.2 Hydrogeological Evaluation Requirement Applicability  
**Attachments:** Section 8.0.2 Hydrogeological Evaluation Requirement Applicability Sherborn BOH.pdf

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Hi Zach,

I want to respond to Dan Hill's letter of January 2<sup>nd</sup>, where he quotes Sherborn BOH Section 8.0.2 and goes on to state, "*the applicant has refused to comply with this requirement, and is requesting a waiver from it*". He further quotes the requirements of an "*environmental impact statement*" [sic], without noting that it is clearly not applicable to Brush Hill Homes.

The immediately preceding sentence of Section 8.0.2 reads "***for any subdivision having ten (10) or more dwelling lots or any project having a minimum design wastewater flow of 4400 gallons per day, a hydrogeological evaluation shall be performed...***". As you know, Brush Hill Homes will be four (4) home and 1,320 gallons per day which leave it significantly below (60% to 70%) of the defined threshold for applicability.

Bob Murchison

## 7.0 WATER SUPPLY

The proposed source of water supply shall provide water of a quantity and quality in accordance with Town, State, and Federal water supply standards for domestic use. In the case of sites to be served by on-site wells, a hydrogeological evaluation showing ground water flow directions and the proposed placement of wells and septic systems. Zones of Contribution to wells shall be delineated except for the following: (a) Single- or Two-Family Dwellings; (b) Single Family residential subdivisions; or (c) Projects where the required well yield is 1375 gallons per day or less. This evaluation shall be performed by a qualified engineer or geologist, at the expense of the applicant, to be reviewed by the Board of Health for this determination.

## 8.0 SEWAGE DISPOSAL - The applicant shall submit evidence that:

1. The proposed location of the project has soil conditions suitable for the subsurface disposal of sanitary or other applicable types of wastewaters in accordance with the regulations of the Board of Health along with all applicable state and federal regulations.
2. Wastewater disposal shall meet the strictest minimum standards of current Commonwealth of Massachusetts or Federal regulations of surface or ground waters. For any subdivision having ten (10) or more dwelling lots or any project having a minimum design wastewater flow of 4400 gallons per day, a hydrogeological evaluation shall be performed by a qualified engineer or geologist; at the expense of the applicant, to be reviewed by the Board of Health for this determination. Hydrogeological evaluations shall include determination of geologic stratigraphy, determination of ground water flow directions, determination of maximum ground water elevation, determination of minimum groundwater elevation when relevant, evaluation of water table mounding, and prediction of down-gradient water quality impacts. Maximum ground water elevation shall be determined by direct observation during the season of the year when the water table is high as determined by the Board and as adjusted by the method described in "U.S. Geological Survey, Water Resources Investigations, Open File Report 80-1205 - Probable High Groundwater Levels in Massachusetts", or subsequent revisions thereof.

## 9.0 SPECIAL INDUSTRIAL AND COMMERCIAL REQUIREMENTS

These regulations shall apply to any and all projects for industrial or commercial projects or for any other project except for the construction of single- and two-family dwellings. These regulations shall also apply to industrial or commercial operations conducted on residential dwelling property of any size, and also to any hobbyist operation that utilizes materials on the Massachusetts Substance List.

A single party of responsibility shall be designated for the proposed project and shall be the applicant of record. The single party of responsibility shall be the owner of the subject building or facility and shall not be an individual tenant therein. All applications for permits from the Board of Health shall be submitted by this responsible party. All limitations and conditions with