

August 12, 2020

Susan Sarni – Executive Health Officer
Board of Health
Town of Hingham
210 Central Street
Hingham, MA 02043-0239

Re: Disposal System Construction Permit (DWCP) for New Title V Septic System located at 100 Industrial Park Road, Hingham, MA; Property Recorded at Registry of Deeds: Plymouth County, Certificate # LCC96743, Book 483 & Page Number 143

Dear Ms. Sarni:

On behalf of the Applicant and Owner, please accept the application submittal for Board of Health application for Disposal System Construction Permit (DWCP) for review and approval for Certificate of Compliance for a new Title V septic system. This DWCP new Title V septic system has a design flow of 3,000 gallons/day and a calculated daily flow of 3,900 gallons that will be located on the north side of the 149,000 square foot main building. This system will be replacing the existing 3,900-gallon wastewater treatment plant located on the south side of the main building which will be abandoned. The system proposes to use a propriety MicroFAST system as well as a standard effluent settling septic tank for treatment prior to discharge to the leaching field. A pump chamber will be utilized to provide pressure distribution since the system is sized for greater than 2,000 gallons per day. The leaching area is a stone and pipe bed configuration approximately 1 foot to 1.5 feet below grade over sandy soils with a less than 2 minutes/inch percolation rate.

On June 27th soil evaluations were performed for this application. The evaluations were witnessed by the applicants Engineering representatives from BL, Stephen Nelson from Clearwater Recovery and John Chessia. The results were favorable to propose a Title V septic system as provided in this submittal. This site is a re-development site. A variance is requested for 175' and 125' clear distances from the proposed Title V Septic System to a storm drainage system (as per the Town of Hingham for Disposal of Sanitary Sewage Section VII, F.8 and Section VII, F.9 respectively). The variance request is necessary in order to provide proper drainage for the site. The site does not currently have a storm drainage system. The proposed storm drainage system will significantly increase water quality of site's runoff. In light of the site physical constraints and the need for a variance for the required 125' and 175' setbacks a MicroFAST treatment system (located after the proposed septic tank) is proposed as an additional effluent treatment measure.

The application submittal contains a project narrative, plans, application for Town of Hingham variance/divergence application, Town of Hingham Application for Disposal System Construction Permit, design plans (Sheets SU-0, SU-1, SU-3 and DN-7), and \$575.00 application fee for Town of Hingham Board of Health. Please let me know if there are any questions or comments.

Sincerely,

A handwritten signature in blue ink, appearing to read 'KH', written in a cursive style.

Kevin Hixson
Senior Project Manager