



Memorandum.

Date. Apr 07th 2021

To:
Cindy Markowitz - Chair Boxborough Planning Board

cc: Simon Corson

From:
Rodrigo Mesquita - Head of Operations at Vibalogics US

Re: 1414 Mass Ave, Boxborough Facility Development – Response to Board member comment

Dear Ms. Markowitz,

We appreciate the opportunity to have a continued conversation with you and the Planning board regarding our building plan application. As noted from the April 5th meeting this week, a Board member requested further information regarding the well water usage, and the small percentage of this water that would be removal off site as industrial waste:

The site contains three (3) existing Public Water Supply (PWS) wells which are identified by MassDEP as PWS ID # 20370717 (a-c) as permitted under the Massachusetts Drinkwater Regulations 310 CMR 22.00. The three (3) wells are located in northeasterly part of the site between the building and Massachusetts Avenue outside of the limits of the Boxborough Aquifer Protection District. The three (3) PWS wells have a total permitted daily max withdrawal capacity 32,620 gallons per day (gpd). As previously identified, the total estimated Vibalogics water usage of the facility will be 4,500 gpd, with 3,000 gpd allocated to sanitary uses (toilets, sinks, drinking water, kitchen uses) and the remaining 1,500 gpd utilized in the industrial processes with the goal of employing state of the art water recycling processes. All water which will be discharged to an industrial wastewater holding tank and removed from the site. The amount of water being removed from the site and not discharged to the leaching facility located within the Aquifer Protection District is <5% of the total permitted capacity of PWS ID #20370717. Any permitted industrial process will have a small percentage of water loss with water being utilized to create parenteral medicinal products which will be shipped off-site or as part of the industrial process itself such as cooling, steam generation, diluting, etc. The remaining water from the industrial process will be removed from site in 6,000 gallon tankers scheduled weekly.

Best regards,

Rodrigo Mesquita
Head of Operations
1414 Massachusetts Ave.
Boxborough, MA 01719
508-340-9166