



Town of Barnstable

Board of Health

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John T. Norman, Chair
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F.P. (Thomas) Lee, P.E.
Daniel Luczkow, M.D., Alternate

BOARD OF HEALTH MEETING MINUTES

Tuesday, October 26, 2021 3:00 PM

**James H. Crocker Jr. Hearing Room, Town Hall
367 Main Street, 2nd Floor, Hyannis, MA**

A regularly scheduled and duly posted meeting of the Barnstable Board of Health was held on Tuesday, O, 2021. The meeting was called to order at 3:00 pm by John Norman, Chair. Also in attendance were Board Members Donald Guadagnoli, M.D. and Daniel Luczkow. Thomas McKean, Director of Public Health, and Sharon Crocker, Administrative Assistant, were also present. Board member Thomas Lee was not able to attend.

MOVED TO
NOVEMBER 23,
2021 MEETING >

Hearing: Uninhabitable (Continued from September 28, 2021):

Audrey and Miguel Gomes, owners – 42 Tonela Lane, Barnstable, Map/Parcel 336-066, their MicroFast Innovative/Alternative (I/A) Septic System has not been operating with an Operation and Maintenance (O&M) contract in effect.

I. Septic Variances:

David Coughanowr, Eco-Tech Environmental, representing Cirlene Fabiano, owner – 417 Craigville Beach Rd, Centerville, Map/Parcel 246-173, 11,356 square feet parcel, requesting increase to 4 bedrooms with one septic variance of depth to finished grade.

Upon a motion duly made by Dr. Guadagnoli, seconded by Dr. Luczkow, the Board voted to grant the variance as presented, no conditions. (Unanimously, voted in favor.)

II. Innovative/Alternative (I/A) – Septic (NitROE):

Joseph Henderson and Mark Nelson, Horsley Witten Group, representing two owners, requesting septic variances using the NitROE innovative alternative (I/A) septic system:

1. David Granier, owner – 235 Lakeside Drive, Marstons Mills, Map/Parcel 102-168, 0.17 acre parcel, requesting installation of I/A system.

Joseph Henderson presented the 2 bedroom septic system which will use the existing tank, Then add the NitROE tank, with a D-Box and retro-fit the existing leaching pits. He explained the sampling will be taken from the D-Box, and they are proposing a clean-out to be added to the NitROE tank because they are making a bend there. There are no variances requested.

Upon a motion duly made by Dr. Luczkow, seconded by Dr. Guadagnoli, the Board voted to grant the use of I/A septic system, as presented. (Unanimously, voted in favor.)

2. Amy Hotchkiss, owner – 261 Lakeside Drive, Marstons Mills, Map/Parcel

102-165, 0.17 acre parcel, requesting I/A system with two setback variances and one depth to finished grade variance.

Joseph Henderson presented the 3 bedroom plan which would use the existing tank, then run the piping out to the front yard and install a new NitROE tank, new D-Box and new leaching field. Two of the three variances are for setbacks to the building and the third is a variance depth to cover.

Upon a motion duly made by Dr. Guadagnoli, seconded by Dr. Luczkow, the Board voted to grant the variances as presented, with the following condition: the abandonment of pit (located under the shed) will be done by filling it in. (Unanimously, voted in favor.)

III. Innovative/Alternative (I/A) – Septic (Fuji Clean) – proposed pilot program:

Joseph Henderson and Mark Nelson, Horsley Witten Group, representing Jane Ward and Stephen Waller, owners – 125 Blantyre Avenue, Centerville, Map/Parcel 229-108, 0.31 acre parcel, requesting the use of a proposed pilot program - Fuji Clean, requesting one setback variance and approval of new type of innovative/alternative system.

Mark Nelson mentioned the system is designed to remove nitrogen and has the ability to remove phosphorus, as mentioned in informal discussion at last meeting. If the Board approves, the plan will be submitted to the Department of Environmental Protection (DEP) for an individual pilot approval. George Heufelder at the MA Test Center will be testing the system for the first two years. Mark said he was asked about the effects of cold weather with the system and is awaiting a response back from the manufacturer. Mark believes there is no issue as the water will be moving through system similar to any other septic system.

Mr. McKean said there are three outstanding items on the plan dated October 21, 2021: 1) the water line shows a short stub into a paved area and doesn't identify where it goes, 2) the volume does not add up to the total reflected on plan, and 3) there is a cold weather requirement for a roofing system in some conditions.

Mr. Henderson addressed items: 1) water department does not have record of water line. Once construction begins, Dig Safe will be identifying line, 2) will address calculation, and 3) the roofing is required if snows more than one meter which hasn't occurred here. Once DEP approves, they will be bringing the plan back to the Health Division.

In response to Dr. Luczkow's question of outcome if the innovative components discontinue to work, Mr. Nelson said the system is gravity fed and will continue to work with the results being at least as good as what is in the ground currently, if not better.

Mr. Norman thanked the owner and engineers for spending the time at the prior meeting to educate the Board on the proposed system.

Upon a motion duly made by Dr. Luczkow, seconded by Dr. Guadagnoli, the Board voted to grant the approval and support to move forward with application to the DEP for individual pilot plan. (Unanimously, voted in favor.)

IV. Sewer Connection – Exempt (Continued from September 28, 2021):

William Swift, owner – 32 Bow Lane, Barnstable, Map/Parcel 299-049-001, 86,472

square feet parcel, requesting an exemption from connecting to town sewer due to difficulty connecting with natural obstacles.

Ms. Crocker stated the owner had stated they would be out of town for today's meeting.

Mr. McKean said the owner's engineer had contacted him after the initial meeting and it was suggested to submit some cost estimates to the Board.

Mr. Norman had spoken to the Building Department and the building permit was signed off on for a permit as there was a sewer stub at the location.

Upon a motion duly made by Dr. Luczkow, seconded by Dr. Guadagnoli, the Board voted to continue this to the next meeting to allow the owner another opportunity. (Unanimously, voted in favor.)

V. Sewer Connection – Change of Location:

MOVED TO
Nov 23, 2021

A. Ralph Barisano, owner – 10 Kearsarge Avenue, Centerville, Map/Parcel 226-193, Nov requesting a change from proposed sewer connection at Craigville Beach Phase 1 tie-in to the connection through Kearsarge Avenue Phase II tie-in.

Ms. Crocker stated the owner contacted the office and would like to continue this to the next meeting as Department of Public Works (DPW) is working on this.

Upon a motion duly made by Dr. Guadagnoli, seconded by Dr. Luczkow, the Board voted to continue this to the November 23, 2021 Board meeting. (Unanimously, voted in favor.)

VI. Informal Discussion:

Zee Crocker, Barnstable Clean Water Coalition (BCWC) and Brian Baumgaertel, MA Alternative Septic System Test Center (MASSTC) will discuss the 'Open Source Layer Cake System' and its performance. Interested in possibly using system at a location in the future.

A discussion took place of system design. Zee Crocker and George Heufelder spoke on the design of the "Open Source Layer Cake System" that they are interested in using. There is a 24" deep lined bed with sand on the bottom, perforated pipes which bring the flow over to a tank filled with wood chips which is where the nitrification is done, and then it goes into a leaching field. It is simple and not too much higher a cost of a standard system. George has received a grant to study how much they might be able to reduce the size of the field and thus, reduce cost. However, they are Proposing to use the standard size of the field on their upcoming property, no reduction in size.

VII. Minutes:

August 24, and September 28, 2021.

Upon a motion duly made by Dr. Guadagnoli, seconded by Dr. Luczkow, the Board voted to accept the August 24, 2021 Minutes. (Unanimously, voted in favor.)

Upon a motion duly made by Dr. Luczkow, seconded by Dr. Guadagnoli, the Board voted to Accept the September 28, 2021 Minutes. (Unanimously, voted in favor.)

Motion to Adjourn – 3:50pm.