

**BOARD OF HEALTH
MEETING MINUTES
MARCH 23, 2021 7:00 PM
REMOTE PARTICIPATION**

Agenda

Remote Participation by Zoom Meeting

Tuesday, March 23, 2021 at 7 pm

Meeting ID: 832 1092 7189 <https://us02web.zoom.us/j/83210927189>

7:00	Minutes
7:10-7:30	95 Hanover Road – septic system installation (Nouvellon)
7:30-8:15	Benfield Farms – septic system upgrade
	7:30-7:45 Plan presentation
	7:45-8:15 Board discussion, Q&A
8:15-8:30	27 Old East Street – Accessory Apartment – septic upgrade status
8:30-8:40	Open Space and Recreation Plan – Board comments
8:40-9:00	Other Discussion Items and New Business
	<ul style="list-style-type: none">▪ COVID-19 Updates▪ Carlisle Public School RTN 3-35688 report from Omni Environmental▪ Garrison Place – status of Septic Escrow Account, Operations Manual, Sampling Results▪ Public Health Excellence Grant Opportunity▪ FY22 Budget Update▪ Municipal Vulnerability Grant – March 27th Workshop

Attendance members: Tony Mariano Chairman, Jean J Barry, Catherine Galligan, Donna Margolies, Todd Thorsen

Attendance nonmembers: Fantasia Health Agent, Kris Gines, Mark Beaudry (Meridian), Rob Frado, Chantal Nouvellon, Justin Daghish, Dave Erickson, Bill Risso, Michael Joseph, David Schofield, Terry Holsinger, Ted Doucette, Derek Zanga, Emily Smith (Carlisle Mosquito)

The meeting was called to Order at 7:00 pm.

1. Minutes—the Minutes from 3/9/21 will be reviewed at the next meeting. Fantasia will incorporate edits and send them out for review before the next meeting.

2. 95 Hanover Road - septic system installation (Nouvellon)

This has been an ongoing project which seems to have been complicated by Nouvellon's installer's license having lapsed and by the installer not properly communicating with the town. The well was drilled in 2012 and a water test done on August 20, 2020 was submitted last week. The water test must be performed within 12 months of occupancy. The well cap was fractured at one point and needs to be verified. The BOH agreed that the Well Inspector will do a current inspection on the well.

Nouvellon would like a temporary occupancy permit, which the BOH cannot grant because there is no septic system. The next steps for the septic:

- A licensed contractor must sign out the plans. The homeowner could get a licensed installer, or her previous installer could renew his license.
- A detailed workplan and schedule must be provided by the installer, including details on how the fill will be removed and the inspections.
- Frado needs to verify that the stakes for the septic field are properly placed. The engineer will stake the corners, as the first step, and provide the offsets. No work may proceed until Frado has approved the bed. David Schofield, engineer, confirmed that this will be done.

Mariano expects that a licensed installer should be in place within a week. It should then take 2 weeks to submit a work plan. The current fill must be removed and Frado may need to observe part of the removal which will be charged to Nouvellon. The Board instructed that communication with the Health Department should be handled by the engineer and installer since they are more familiar with the required procedures and this line of communication will ensure that the installation is

completed in the most time effective manner. The BOH will send a letter with this timeline outlined as well as details on getting the water certificate. The following schedule was outlined for Nouvellon:

- Timeline:
 - By Thursday, April 8 - Licensed installer on board and plan signed out.
 - By Thursday, April 22 – Installer provides work plan to Health Department.
 - After approval of work plan, commence replacing the fill and completing the field.
 - Health Department schedules Frado for inspections
 - 4 weeks for inspections & as-builts
 - Thursday, May 20 – certificate of completion, per this schedule

3. 7:48 Benfield Farms septic system upgrade. Present Phil Giffie (NOAH) and Mark Beaudry (Meridian Engineering).

Beaudry reviewed the results of the stakeholders meeting (ConsCom and Town Council) reiterating that fill on lot 4 was permissible provided that the finish grade looked natural and that working outside the easement was acceptable. The design has been moving forward with that understanding and Beaudry has since forwarded the following summary of the plans:

Perc-Rite

As presented at the BOH meeting last week, the design has been evolved to allow the reconstructed system footprint and grading to be located outside of the existing Utility Easement consistent with ConCom and “stakeholders” direction. Secondly, based on BOH desires to have no waivers, we are providing a system design with a 4-foot separation to the previously approved 0.9-foot groundwater mound (calculated to be at full design load). A scenario with a 3’ separation is also depicted on the plan, but we do not anticipate going this route as it would require Local Upgrade Approval relief.

With the layout adjustment, the finished grade at the corners of the system would all be 0.6 feet (about 7 inches) above existing grade. We believe this can be mitigated, that is, blended into the surrounding area and concealed, with the “off grading” of added fill around the edges to comply with ConCom and CCF requirements relative to the Conservation Restriction. Proposed grading is now depicted. The utility easement will be adjusted upon completion.

GeoMat

Also as presented at the BOH meeting last week, this design alternative was selected to provide what our team believes to be an improvement to the disposal area with enhanced, longer term performance (and “peace of mind”), more complete and uniform distribution, and enhanced treatment prior to recharge as a bonus. This leaching bed layout involves placement of a 6-inch-thick sand bed in the required bed footprint area (as sized for new construction at an LTAR of 0.74 GPD/SF). On top of this sand bed, rows of 24” wide GeoMat Leaching System will be installed. GeoMat is a product developed by Geomatrix Systems LLC that is approved as an alternate system for General Use and Remedial Use by the MassDEP. It is a low-profile system consisting of an approximately 1” thick highly transmissive core (comprised of fused entangled plastic filaments) fully wrapped in a hygroscopic membrane. Perforated distribution pipe laterals are then placed inside each of the membrane “units” on a plastic seat/shield on top of the core. The laterals are then loaded uniformly by traditional pressure distribution techniques. This will require a new pump chamber to be located adjacent to the disposal area. It is intended that this new pump chamber will be supplied by the existing “Perc-Rite” pumps (in the pump chamber near the Benfield housing) and the 2” force main down the cart path that will be retained. The GeoMat system with lateral is only 2” to 3” tall and requires only 6 inches of cover. Therefore, the finished grade with this system can be lower than the Perc-Rite system with a fill of only 4” to 5” above existing grade while maintaining a 4’ separation to the mounded groundwater (at 0.9’ maximum mound). Proposed grading is depicted.

This system will also require components to be located outside of the existing Utility Easement and will the utility easement to be adjusted upon completion.

Treatment System

A letter outlining the proposed upgrades to the treatment system, which is anticipated to be an added MicroFAST 0.9-unit, recirculation system and Micro-C supply modifications, will be forwarded to the BOH shortly. This treatment approach was discussed with the BOH at its meeting last week.

4. 27 Old East Street – Accessory Apartment – septic upgrade status. Present: Terry Holsinger (owner), Ted Doucette (engineer)

Fantasia noted that the accessory apartment, which was not approved by the Planning Board, is in a detached garage and there was no documentation on how the apartment is tied into the septic system. It has since been verified that it is properly tied in. The BOH has set timelines for the permit (Jan. 1, 2021) and completion (May 1, 2021). It will not be possible to meet the May 1 deadline. Since it is not a failed system it seems appropriate to grant an extension. The following schedule

was outlined: testing next week then 2-3 weeks to get the plan and then 1-2 weeks to review the plan looking for July 30 for the “as built” plan and the certificate of compliance. The BOH will send out a letter that can then be used as a basis for communication. The Planning Board will be copied on the letter.

5. Open Space and Recreation Plan – Board comments

Open space plan needs final comments by 4/30. Mariano and Fantasia have discussed it. Galligan focused on the highlighted areas when reviewing it but Mariano looked through the whole plan and said it was an enjoyable read but just looking at highlighted areas is probably fine. It was noted that the term “shared septic system” was used incorrectly and was flagged. Thorsen noted that there was a lot on water, barns, and beavers but not so much on people. Fantasia noted that we do not want to confuse this with the Master plan--this is the open space and recreation plan. Barry noted that a 400 page plan every ten years is a lot of work, but Fantasia said that it is needed to apply for grants and that every town goes through this. Mariano noted that it is really important to the town; we will revisit some of those initiatives and get comments out.

6. Covid Updates

There were 168 cases as of 3/21/21. Every week we get a few more cases but not like last year. The application for a regional clinic at the Acton Kmart was submitted on Friday; we have not heard anything yet. Fantasia thinks it is a good plan at a good location, but we will not have any vaccine earlier than mid-May at which time we would hire a professional staff. We are also talking with UMass Grad School of Medicine about sending students to do vaccinations. No one has any idea how long this will go on, especially if there is a vaccine for children. There was some discussion about allocation of vaccine between states with the perception that people are resisting vaccination in Southern states which may be why some of them are opening vaccination to younger people sooner than other states. It was decided that there was nothing pressing for the vaccination subcommittee so it will not schedule a meeting until we hear back from the state. Fantasia has followed up with contact Jana Ferguson on a budget matter but otherwise has no additional information.

7. Other business

The environmental consultant for the school elevator spill is filing for closure to the project and recommending an end to the carbon filtration system which would be good because it was interfering with radon issues.

Fantasia notes that their new milestones for Garrison Place that will involve BOH approval. They are about ready to enter occupancy to unit 10 on June 16 but we want to insure they have satisfied BOH regulations, especially the septic escrow account. They are not currently asking for a certificate of compliance on the septic, they are moving ahead but nothing major now.

Public Health Excellence grant opportunity. Galligan said that Fantasia made us aware of a state grant that allowed a group of towns to apply for a grant for shared services. There are 351 local BOH departments and the state would like more cooperation to raise the level of performance and improve uniformity across the state. The state is making a large pool of funds available for groups who will work together so Fantasia has worked with 5 other towns to get funding to share inspectional services for pools, septic systems, and food establishments as well as other Health Department duties. It is a good opportunity and Sudbury is writing it up. Galligan is skeptical about our chances of being awarded the grant, as the state is looking at the nature of communities and especially underserved communities. The state has 30 grants for up to \$300,000 per year and for 3 years.

FY22 Galligan says Fincomm met the other night. They are in support of 10 hours for a public health nurse but not for additional hours for our Assistant to the Health Agent. There is a meeting with the Selectboard tonight to see what both groups would support. While it is positive that they will likely approve 10 hours for a public health nurse it is frustrating that they do not recognize that need for additional AHA hours. More monitoring of compliance, especially in larger projects, might avert the sorts of crises we have been seeing. Despite limited hours Gines does an outstanding job and has been getting as much done as possible. It might be helpful if our Selectboard liaison participated in more BOH meetings.

Municipal Vulnerability workshop is Saturday, and they would like to have BOH representation. There will be presentations and break out groups.

Fantasia brought up that hazardous waste day has not been scheduled. There was talk about whether it should be opened to other communities, but the general feeling was that we should keep it restricted to Carlisle residents. Fantasia will book a day for Carlisle in the fall. Galligan suggested we also talk to the Selectmen about reopening oil collection. It was also suggested that the swap shed might be reopened (possibly limiting it to 2 people at a time). Barry says that the science indicates that fomite transmission of Covid is minimal (see <https://www.nature.com/articles/d41586-021-00251-4> for one discussion).

Barry moved to adjourn, passed unanimously. Adjourned at 21:37

Respectfully submitted,

David Erickson, Recorder

(All documents discussed are available for review in the office of the Board of Health)