

BOARD OF HEALTH MINUTES
TOWN BUILDING- HEALTH DEPT OFFICE
January 8, 2018

The meeting was called to order at 7:00 p.m. , present were Elisabeth Brewer, M. D. (EB) chair, Susan Green (SG), John G. Schuler, M. D. (JGS) and Arne Soslow, M. D. (AS). Also present were Julia Junghanns, Director of Public Health and Patti White, Department Assistant

7:10 p.m. Public Comment-Peggy Patton- presenting a letter regarding the effects of cell towers on property values as well as updated information on health effects on humans, birds and wildlife. Ms. Patton will provide the documents via email tomorrow. Cell tower studies from the Bio-initiative report from 2012.

Patricia Burke (not a resident) the above studies (Bio-initiative) are from other countries. Andrew Munton, 12 Oak Hill Rd. - 3 young children, total of 20 to 25 children in the neighborhood- The proposed cell tower location is adjacent to Great Meadow Wildlife (protected area) he has additional concerns on the impact to migratory birds.

Alice Boelter, 106 Lakeshore Drive- the town has already identified other locations for cell towers.

Dwayne Galbi, 190 Stonebridge Rd. - cell tower and cell phone concerns, California is recommending to not carry cell phones on person. Please do not allow this permit.

Jay Rogers, 8 Meadowview Rd. - 3 children- so many concerns for children; tobacco, concussions as well as cell towers; not all the information has not been made public.

Wayland has wireless district- keep towers out of residential areas.

Mike Cunningham, 33 Oakhill Rd – several years ago Nstar cleaned the area surrounding the transmission lines, took down many trees. The gun club has been in their location longer than the neighborhood. Gun club lost their tax exempt tax status- they now pay taxes, now they will use the cell tower siting fees to pay for their taxes.

7:00 P.m. Application for proposed Cell Tower at 4 Meadowview Rd, Wayland Rod and Gun Club- Christopher Swiniarski, Atty. for Verizon and Dr. Don Hayes Consulting Physicist for Verizon

We are here to speak about our application for wireless communication; we have heard issues raised by residents. The government preempts wireless facilities for environmental or health effects. Our report says we are at the limit 1% of threshold, we have shown the set back from the septic system. There are no issues with the location and the septic.

JS: What is the distance from the tower to the closest home? JJ:, I have a map showing the radius of 900 ft. from the proposed location and all the houses that fall in that area. This information was put together by Health Agent, Darren MaCCaughey CS: I had asked for a map, it is being put together, but is not available yet. EB: The 1999 BoH policy adopted 900 feet from a cell tower to residences and businesses. This project location is not in the Wireless District; they have to go before the zoning board for a variance and approval.

JJ: Our department reviews the location of the tower with respect to the septic system. There is no issue with that location and the septic system, we are here to listen to any issues and allow the public to speak and hear the presentation. The location goes against the BoH policy with respect to the 900 foot radius.

SG: What is the Zoning Board process? CS: We have a hearing set for Tuesday January 21, 2018.

AS: Julia, have we ever passed to permit within 900 feet? JJ: We are not the approving authority, zoning board is; we have recommended adhering to the 900 foot setback.

AS: Why are you here? Cs: We have a facility in the overlay district, this area is lower lying? Residents: We all have adequate Verizon cell service, we all have good signals.

JS: Explain in report how radiation dosing is related to distance. For humans 20', 40', 60'. Omnidirectional energy comes in all directions, the closer you are, the higher the intensity of energy. This energy may or may not be absorbed. Directional antenna fixtures have a high gain (3db), try to eliminate fluorescent light, didn't add power, increased gain by directing the light. High gain antenna, set 65 degree beam width.

Depends on amount of energy the antenna emits toward the horizon where it's needed. One person exposed on that antennae, at that height. 6 feet off the ground, Figure #3 assumed, Ma law talks at 16 feet above ground. No greater than 1% at closest location.

AS: how does the energy degrade at 900 feet? After 50-75 feet then its less then 1%, of the allowable limit and it falls off. MA and FCC say you are allowed at 100%. Do not confuse the exposure for towers to cell phones, the allowable level for phones are 20% higher, these values are 75 or 95% -vs- 1% for cell towers (20x lower). AS: is there any scientific or political body who sets/states that there are no adverse effects. DH: he is the secretary of sub-committee 2 for setting safe limits of RF exposure for public, published on International committee on electromagnetic safety. C95 series of standards, secretary that wrote the book on RF safety.

**AS: Motion (05) The Board of Health has not been asked to revisit and has not received any information that would cause it to reconsider its position expressed in the prior recommendations. The cellular tower proposed for 4 Meadowview Rd contains many (number unknown at this time) properties within a 900 foot radius. Therefore, the Board of Health recommends against the approval of the 4 Meadowview location as a cellular tower site
Second EB all in favor 4-0.**

JS: Dr. Bose would never have allowed anyone to live anywhere near a cell tower.

7:35 p.m. North Cemetery Expansion update- Paul Brinkman (Paul B), Town Engineer

This agenda item is to update the BoH on this project. The project has been dormant for a while, the money was set up and expansion was approved by BoH back in June 2002 through a formal hearing process. DPW constructed about 1/2 of the project and Town Engineer Paul Brinkman has picked up the project to get it finished. Reference was made to an email provided by Linda Segal to the BoH, received January 8, 2018. Letter references the Town Wellhead Protection Plan, and concerns for this expansion and proximity to the Baldwin Pond Wells; also 2012 ATM and \$50K for a groundwater

study. There have been archeological studies but a hydrogeological study has not been done. The MassDep Zone 1 includes a protective 400' radius where cemeteries are not allowed. The North Cemetery expansion is located outside of this area. This area is inside the MassDep Zone 2 and also inside the Capture Zone (which had been identified through a study initiated by the WPC). MassDep allows cemeteries to be located inside a Zone 2 area (but not a Zone 1). Part of the existing and expansion of the Beit Olam Cemetery, was inside the Zone 2. Back in 2012 there had been discussion regarding permission being obtained from MassDEP to construct the North cemetery expansion as per MGL Paul B sent a letter on December 19 2017 to MassDep, with background information (referenced letter). MassDEP had a few questions, and Paul responded. Their approval was received 12/29/17. SG: what does DEP look at? Paul B: They look at where the Zone 1 protective radius is and they asked about runoff. Paul B: We will be using infiltrators to capture runoff. All bodies are in vaults, we are not proposing green burials. JJ: I have provided copies of the referenced letters and the background information. The capture zone study was discussed, and points that were made in Linda Segal's email regarding potential further study and/or testing and funding.

AS: what is the % of the expansion? PB: 50% expansion. AS: Is it being expanded in any area of risk? Paul B: the area for the cemetery is 50 ft. higher than the Baldwin Pond wells. There was a discussion about embalming and chemicals and testing that is done at the Baldwin Pond Water Treatment facility. Also, about how to memorialize this information for the record; memorandums, etc. to capture the points being made. Paul B: elaborated and indicated that based on all the information and the response from MassDep, he does not feel the cemetery expansion location is a risk to the water at Baldwin Pond. Paul B: The drinking water is tested at the water treatment facility. JJ: The state has provided an official letter of approval, the letter was reviewed.

AS: The board believes based on the January 8, 2018 summary from Paul Brinkman, Town Engineer and MassDep letter dated December 29, 2017 that the North Cemetery expansion does not pose a problem to the Wayland municipal water supply, and that further funded studies of the Cemetery expansion are not necessary. JS second Vote 4-0 all in favor

7:50 p.m. Update of the High School and Town Center Wastewater Treatment Plants. Paul Brinkman (PB), Town Engineer
High School: Weston and Sampson Engineer observed the operations and PB is working with them to fix other issues (report 2 weeks ago) comments? There are operational considerations/changes that should be looked at regarding how the plant is run in general. PB has been having a problem understanding the fluctuations 1/10th of a psi; these systems are very sensitive, and produce a very high quality effluent. For example; bacteria/seed is added because it runs so thick (at a certain 10k mg per litre) because the plant doesn't get much flow and is running at a fraction of it's capacity (purchasing supplies of bacteria to run the plant). It was designed for higher level and needs to be tweaked. They are looking to run it thinner; to keep the bacteria thinner, but this will require more pumping. JS: how often? PB: they have to add (food) to keep the bacteria levels up, the system was designed for a higher level of waste from people.

Since it gets a low flow, it is not there, so this is a part of the discussion to hire a person to direct both treatment systems. If the plant is overseen/run properly, there will be fewer problems. AS: what happens during the summer? PB: they have to feed it more bacteria while the school is not being used. We did a review of costs for last 2 to 3 years, which were expected to be 100K per year; 2 years ago it was almost 300k with the repairs and the pumping.

The Town has plans to hire town employee person to do the majority of oversight of both plants, the funding for this position must be approved at town meeting and would be effective July 1st. The position would have support from a contractor (at least initially). Both the Town Center and High School contracts were to expire at same time, we are looking to create a contract with better language for protection. We are proposing 1 person to oversee both treatment plants and eventually become the primary operator. We will look at changes to understand costs.

PB: regarding the River's Edge project, he will be involved and oversee the Wastewater as well, the town had received a grant for the water main.

8:20 p.m. Discussion of Ch40 B projects: peer review, reports and plans.

24 School St. Windsor Place

There was a discussion regarding the cost of the land survey for the questioned property line. We had previously discussed splitting the cost with Conservation Commission; the quote is \$8300.00. The Board would need to approve splitting the cost.

This review/research is not part of the ZBA process, this work is not covered by the applicant, and the issue/potential discrepancy is considered a private matter. The first step; title search, was done at a minimal cost. This work showed many changes to the property over time. This information would then be sent to a land surveyor to look at what/where the property boundaries should be and are they the same as the stamped (RLS) plans that were submitted by the Applicant.

Davis Square Architecture did the peer review; it is presently unknown if Applicant will consider changes. JJ: there will be a working group meeting on 1/10/18 with key officials and representatives attending; the present ZBA deadline for this project is 1/29/18. The Health Department has not approved the septic design, we have done a review of submitted design plans and returned them to the Engineer with comments/revisions needed, and they have not yet been revised. We are also awaiting the cumulative mounding analysis which will need peer review (the mounding analysis is required for the septic design as it's 2,000 gpd). There are a number of waivers the ZBA has to consider. They are requesting a variance for the distance between trenches and the setback distance to the wetlands. At our next meeting we need to decide if we recommend that the ZBA grant the waivers.

The Conservation Commission has not yet approved to fund the next steps for the work to study/review the property line discrepancy.

The proposal/estimate from Schofield Bros. Engineering states in their full disclosure that there is a possible conflict, due to other work they are involved with.

We are requesting that the reserve area be built at the same time as the primary septic system.

The Conservation Commission is expecting a revised Stormwater report. They must do a groundwater mounding analysis, and we have requested a cumulative analysis. The report has not yet been received.

Cascade

Revised architectural plans were submitted at the most recent ZBA meeting; the plans were not submitted prior to the meeting. We have not received septic design plans for this project yet. JJ: I did a review of the revised architectural drawings and it appears that the septic has been moved away from the stream and the flood plain. We still have no info on the hydrogeo study, the Monitoring wells were checked by their engineer, but we did not get notified to witness this.

8:55 pm HRS budget amount- question regarding increase. JJ will meet with procurement to see how we can work this out. HRS requested the increase as they have not seen an increase in recent years. During the budget process, the board approved the budget increase for this line item, it just has to be incorporated into the next contract.

Next meeting date January 22, 2018

Nomination papers. Dr. Schuler has picked up his papers.

Dr. Brewer will not be taking out papers for the next term to remain on the Board.

Potential new member Dr. DeFrancesco is interested in being on the Board, will likely pull papers. Signatures due back by 2/6/18.

AS: Motion to approve the minutes of October 23, 2017 second sg vote 4-0

File alley project update: this project will now be underway again to finish reorganizing and going through old files and cleaning things out. We will begin this work next week and will continue for the next couple of months.

The Director's report was reviewed as follows (the report has been copied into this document):

A frozen sprinkler pipe on the 2nd floor of the courtyard entranceway burst on New Year's Day and flooded the hallway of the 1st floor and the Conservation and Health Department areas. I was contacted by the Fire Chief and responded to survey the damage. Service master was called and carpets were removed as well as fans/dehumidifiers were used to dry out the areas. Today we were advised that the floor areas that were wet/damaged will need to be removed and replaced as well as the carpets. We will need to move our work areas temporarily until the work is complete.

Dudley Pond Project-Darren is working on the follow up from this project that was initiated last year by BoH member Susan Green (property transfers with no Title 5). There are 35 properties in this area that are being investigated and information is being looked at to determine if a legal order will need to be sent. This project will generate a

lot of phone calls and questions from the letters once they are sent out which is targeted for sometime in the next few weeks.

PHN/Nurse Leader Ruth Mori has provided a report under separate cover.

Winter projects that we will be working on as well: scanning project, reviewing permit fees, and other misc. projects.

Fire Dept. Station 2-The new septic system leaching area has been installed. The pump chamber and septic tank, and floor drain tight tank has not been installed yet. We are awaiting for the installer to move forward with tank installation as the inclement weather has likely been a factor.

The polystyrene and plastic bag bans go into effect Feb. 4th.

Annual permit renewals are in the process of being done as well as Farmer's Market permits.

Ruth Mori-PHN/Nurse Leader- we have now been approved to order all pediatric vaccines. We had been a Flu only site from MDPH before. After going through the vaccination outreach plan at each of the schools, it has been identified that some students need assistance with this. We will be working with families who have insurance issues in order to provide them a medical provider as well as providing them vaccines. Since the last Board meeting we had a significant undiagnosed GI illness at Happy Hollow. Although we had no known diagnosis, it was treated as if it were norovirus and all precautions taken. The High School also has had Mono so advisory information was disseminated to families regarding this as well. Over the vacation break we had a probable Mumps case in a high school student. Information was disseminated to families of close contacts. In general the schools have been quite busy with lots of illness prior to the school break. I have been also looking into SNAP upgrades (our electronic health record documentation system in the school health rooms) to help process improvements. Nothing definite yet but reviewing availability and cost of programs that will benefit us.

9:15: AS: motion to adjourn second EB: vote 4-0 all in favor.

Respectfully submitted
Patti White
Department Assistant
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