

BOARD OF HEALTH MINUTES
March 9, 2016

The meeting was called to order at 7:05p.m. Present were Tom Klem, Chair (TK), members John G. Schuler, M. D. (JS), Michael Wegerbauer (MW) and Elisabeth N. Brewer M. D. (EB). Also present were Julia Junghanns (JJ) Director of Public Health and Patti White, Department Assistant.

7:05 p.m. Public Comment

Duane Galbi- of 190 Stonebridge Road- Mr. Galbi has questions regarding the fees for an annual Animal Keeping Permit. Mr. Galbi is interested in raising chickens and he feels the \$50 annual fee is a large fee, compared with the dog license fees which are \$15 per year. There is no pro-rating of the permit, the fee is per calendar year. Mr. Galbi is asking-why is the fee \$50 for a barn full of horses the same as a small coop of chickens? TK: the board had a brief discussion. JJ: there is a lot of work involved with the process to apply for an animal keeping permit, assisting the applicant, reviewing plans, conducting a site inspection, the whole BoH hearing process, and there is an animal inspector who inspects all permit holders annually. This is all taken into consideration along with staff time spent. TK: we could add this discussion in the future to look at the fees and permitting process more closely.

7:10 p.m. Review and Discuss information regarding Town Water Testing received from the Water Department. Don Millette (DM), DPW Water Superintendent has joined the meeting to discuss water testing with the Board.

JS: In our discussion and research of Artificial Turf fields we are looking for information regarding Heavy Metals in run off from the artificial turf field at the High School near the Happy Hollow Town Wells. TK: where is the artificial turf field? JS: At the high school and there are 2 wells near the High School (Happy Hollow Wells)

Documents brought to the table by DM are being discussed. Mr. Millett has brought the following documents to the Meeting:

EPA: The Third unregulated contaminant Monitoring Rule (UCMR3)
Standards and Guidelines for Contaminants in Mass Drinking Waters- Spring 2015
Certificate of Water Analysis (Nashoba Analytical, LLC) report dated 12/29/14
MDEP- Drinking Water Program- Volatile Organic Contaminant (VOC) Report.

DM: Board of Public Works (BOPW) samples the Town water quarterly, checking for Secondary Contaminants (zinc, Copper, Silver and Manganese as well as a number of other contaminants). The Campbell Well (North Wayland) is showing readings close to the Secondary Contaminate level.

MW: do we check for copper? DM: The State requirement for sampling of Secondary Contaminants is on an annual basis, the major items on the Contaminant list are Zinc, copper, Silver, Manganese, lead, a full list is available on the state website. We test quarterly, as requested by the BoPW as they wanted more frequent testing. Due to manganese levels in Campbell well creeping toward the threshold. Other "heavy" elements like Chromium (total), lead and Mercury are tested under Inorganic/Organics Sampling.

TK: most recent VOC testing? DM: most recent is from Baldwin Pond- DM: MRL is minimum reporting level, and MCL is maximum contaminant level.

Reports are staggered; different well reports are generated at different times. Happy Hollow well reports are coming but haven't been received yet.

JS: MRL is (minimum reporting level) (lowest) DM: MCL is (maximum contaminant level) How is the Town and/or Residents informed if there are high levels of contaminants found?

DM: Water reports are e-filed and sent directly to the State. If there are any reportable changes, the Water Dept. is called right away.

JS: have we had a problem with heavy metals? DM: We have not, when I started with the Town, there were problems with bacteria, and elevated levels of disinfectant by-products. The Water Dept., is constantly balancing the disinfectants.

Wayland Country club is reporting to Water Dept. they are minimizing the amount of chemicals being used near the water sources (perimeter locations). They are now reporting to the Water Department as they were asked.

TK: some testing is annual, quarterly or monthly, how is this all scheduled properly? DM: We have a huge dry board in the Water Dept., with all the parameters and other items tested by Wayland, and the testing dates are logged there.

TK: if there are waivers, who keeps track? How do you keep to schedule? DM: DEP is on top of sampling schedules and they would send notice of "Non-Compliance" right away.

DM: for UCR (unregulated contaminants) Mass is more strict than EPA. 1,4 Dioxane was just detected at Baldwin pond, just over the limit. JS: where is it coming from? DM: no guidelines from EPA to advise of additional information.

DM: we tested for 7 pharmaceuticals, 2 new viruses and 15 or 16 compounds.

DM: If water supply is for population of under 10k residents then the government funds paying for the testing, if the community is over 10k residents, it is the responsibility of the Town to do samples and ship them to the lab (and cover the funding). There are presently only 2 certified labs in country, the water department shipped samples to the lab in CA, there were temperature issues with shipping, and the samples could not be tested. The Water Dept. is now using coolers, with cold packs to get them there safely. This is an annual sampling. After EPA sees the results (analyzes/reviews results) from the UCR testing, they then update the regulations (this is done annually for Unregulated contaminants).

JS: why do we not just connect to MWRA? DM: The whole town would need to be connected to a sewer system, which would be very expensive. MWRA has control of the fees. MW: Framingham is looking to reopen the Birch Wells. DM: You need to drill tunnels to the aqueduct and now it is 2 tunnels (backup?)

DM: There are now new Lead and Copper rules, everyone had to do corrosion control. Water sitting in pipes can lead to leaching lead and solder from the pipes. Potassium hydroxide to neutralize water for corrosion control.

MWRA treatment plant in Marlboro, filtered, UV, ozone and chemicals for PH adjustment.

JS: So there are no problems in Wayland? DM: The BOPW is testing above and beyond the requirements from the state. MW: The distribution system had some lead piping, which was replaced back in the mid 80's. Water tie cards on file had the dates that the water service was connected. In the years 1951 - 1952 they started using copper piping, prior to those dates it was galvanized pipes with lead goose necks to tie house lines to water main. The town identified and started replacing the lead goose neck piping in the 80's. The water dept. recently found 48 potential homes (out of over 4,449 water services) that could be in question where there are some water tie cards with no markups. They are drafting a letter to residents re: lead test. Currently a complete house demo requires the water lines to be replaced back to the street tie.

Lead and copper testing kits are delivered to houses (pre 1950 with original piping) in town with instructions for water sampling. These samples allow the Water Dept. to see the water that has been sitting in the pipes (over-night for 6 hours) from the street to the house. 3 tiers (requirements). Sample kits were sent out (60 samples twice a year) which

was then dropped down to 30 samples twice a year, all samples were clear. The sampling was last done in 2014, as Wayland had a 3 year waiver. Schools and day cares are rotated for samples.

Dep must be notified if a high Voc or Soc or bacteria is identified. A formal process is followed to advise, public notification. Shut well down, flush pipes/lines/notify public.

Wayland Wellhead Protection Committee got involved when oversight was needed. Baldwin Pond wells have recently been tested for BOC (available if contaminates came from the Raytheon site). Kurt Tramposh,(KT) was on Wellhead Protection Committee. Chemical from Raytheon (1,4 dioxane) a monitoring test area was set up at Cow Commons to alert and identify the presence of the chemical before it got to Baldwin Pond wells (interceptor wells). Was the monitor well the source of the 1, 4 dioxane reading? There were questions raised concerning the cemetery in the area of the Baldwin wells.

When the Turf Field at the High School was being installed, opponents of the project were trying to find out about the Turf fields and runoff and the effect to the Town Wells. It was requested of Gale Associates to do water testing of leachates from the existing artificial turf, one of the 3 samples, tested for chemicals. KT and group wanted to have ground water testing to find out the direction the water was flowing under the field, to see if the runoff was headed to the wells. Due to intermittent conditions, rain and dry spells, this can be difficult to monitor/test. Requested testing for the components of tires (crumb rubber). This testing was not done for the tire component. 3 years of quarterly tests, were not done for the proper things. They did testing for VOC's.

8:05 pm. Artificial turf discussion

JS called an artificial turf company in GA regarding the artificial fields they produce. They do not use any other type of infill except for crumb rubber, crumb rubber is necessary in regular artificial turf fields, as it provides the cushion. This company in GA. Also makes a field with a thicker pad that doesn't require the crumb infill. The cost of the thick pad field is about twice the amount of a crumb rubber field (just product) plus installation fees. This company would not have any products to help the situation with the existing field. JS will be contacting Brud (Recreation Commissioner) to let him know the BOH is questioning the use of crumb rubber on a new field. He will inquire as to the Commission investigating other options for infill other than crumb rubber. MW: there is a general awareness of the issues and believes people will have concerns of a crumb rubber field. TK: concerns will probably be raised regarding potential health risks. JS: talked to a turf field company in Foxboro, do only do field maintenance, they do not install. JS: the town grass fields are getting a lot of use. MW: the fields are being way over used, spring and fall busiest seasons. Field rotation is important, wet springs and overuse are causing a lot of damage. TK: what is the price differential between grass and turf maintenance? JS: maintenance for grass fields is much higher than artificial.

8:15 p.m. Review from WRAP Committee

A request from the WRAP Committee (Wayland Real Asset Planning Committee) for Board of Health comments on various alternative sites for proposed capital projects that will be going before Spring 2016 Town Meeting. The 4 parcels to be discussed are as follows:

- 1) 193 & 195 Main St. (47D-058C) north of Middle School Driveway and (47D-005) former DPW building and Middle School Driveway
- 2) 202 Old Connecticut Path (a/k/a 137 Cochituate Rd.) (33-001C) former Paine estate- Municipal Use Parcel
- 3) 400 Boston Post Rd. 23-052L, 23-052S, 23-052K and northern part of 23-052M: Municipal Pad with building
- 4) 41 Cochituate Rd. (23-001) Town Building and adjacent town-owned land.

TK: A high level overview of the parcels from different departments is to be submitted by Monday 3/14/16. Health Department Staff have reviewed the files for the above noted properties and composed the attached draft memo.

TK: take out the note section (building and fire dept.) JJ: I heard that the Building Dept. and Fire Dept. had never been contacted. MW: lets provide any and all info that we have; they will pull it all together and figure it out for what they are looking for. TK: Formatting with bullet points might be better. JJ: this is a draft. Annette Lewis stopped by asking for particular information regarding the old burn dump at the highway garage.

In 2011, the Health Department presented comments in a memo to the Recreation Commission and the Town Administrator for the Middle School Athletic Fields Feasibility Study (document referenced), regarding concerns for extensive tree removal, digging and po. Staff obtained from office files a report done in 2000 by Camp Dresser & McKee from an environmental investigation for the 193 & 195 Main St. Parcels. The solar carport location is proposed in the parking lot area by Middle School. BOH has not seen the application for the proposed project, the memo may raise concerns regarding that area being dug up with deep holes for the footings supporting the solar carport project.

202 Cochituate Road, the BOH has no structure file for this parcel, the Fire Dept., has a record of some structure on that property. TK: re 202 of note #200 does have AUL activity & use limitation- uses listed were for Office, retail, hotel, warehouse, R &D, residential, commercial and industrial, but no recreation.

400 Boston Post Rd- MW- Has there been any additional testing done in the past 3-4 months? TK: note dated last August, Andy Irwin had comments on summer testing. JJ: we have not received any information that any additional testing has been done. MW: LSP went to BOPW and they approve the testing to be done. TK: BOH had recommended that there be additional testing (November 2015 minutes) JJ: we will need to find out if there was additional testing done? JS: we don't own the parcel, Twenty Wayland owns the property and they have not let anyone on the site to do more testing. JJ: will do outreach to find out if any additional testing has been done at Municipal Pad site, 400 BPR.

JS: 3 sites for possible new library location. Part of Payne estate land that was donated to the town (not conservation), the Highway Garage parcel is another location being considered, or possibly tear down part of the addition on the existing library and rebuild it. The parcel where the library is presently located, was deeded to the town to be used only for a library, the existing library is not connected to Town Wastewater Treatment Plant at Town Center. It is served by a septic system.

JS: how long can the septic system at town building continue to work? JJ: the current water use reading is reported to be lower than previous years. The septic system has not been inspected anytime recently. An inspection would need to be done to determine how it's functioning. The leach field for town building is located in the town building adjacent soccer field area. Adjacent to that area is also the site of a possible future leaching area if needed to accommodate additional discharge flow for Town Center. That system would need to be constructed if the numbers for the discharge permit going into the river exceed the approved Dep/Epa numbers.

TK: what is WRAP committee doing? JS: the committee is making suggestions to BOS regarding these properties and their best uses and the BOS will make the final decisions.

Julia will clean up the comments to WRAP and put on letterhead

8:30 p.m. EB: Breast Cancer Summary for press release and for the Town website; working on the memo to explain the time line of the documents from DPH and Wayland Health Department. A draft memo was reviewed and discussed to summarize the many years of communication between the BOH and DPH regarding the annual Cancer incident reports. The consensus was to keep it short and to the point with links to all correspondence on the website and to all press.

8:55 p.m. Concussion statement update. Ruth Mori, R. N., B.S.N., Public Health Nurse, is working on the compilation of information regarding public awareness for concussions.

9:00 p.m. Directors Report has been reviewed. Bills have been approved.

Minutes of February 24, were not ready for review at this time.

Dudley Pond Aquatic report. BOH is required to have a copy of the NOI that was filed for Cons/com. Looking for information regarding the chemicals that are being used. Wayland Surface Water Quality Committee.

April meeting date for April 6th.

TK: Motion to adjourn Second MW. Vote all in favor 5-0

Respectfully submitted

Patti White

Department Assistant

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