

READINGTON TOWNSHIP BOARD OF HEALTH

March 21, 2012

Chair William C. Nugent called the meeting to order at 7:00 p.m. and announced that all laws governing the Open Public Meetings Act have been met and that this meeting has been duly advertised.

Attendance Roll Call:

Christina Albrecht	present	William C. Nugent	present	Wendy Sheay	absent
Jane Butula	present	Tanya Rohrbach	present	Donna Simon	absent
Beatrice Muir	present				

Also Present: Board of Health Engineer, Ferriero Engineering, Inc. representative Joe Kosinski
Division of Public Health Public Safety Dept. – Debra Vaccarella

A. APPROVAL OF THE MINUTES

1. **Minutes** of January 18, 2012. (- Butula vote).

A **MOTION** was made by Ms. Muir to approve the minutes. The motion was seconded by Ms. Rohrbach.

On roll call vote, the following was recorded for approval of the 1/18/12 minutes:

Ms. Albrecht Aye Ms. Muir Aye Ms. Rohrbach Aye Chair Nugent Aye

2. **Minutes** of February 15, 2012. (- Rohrbach, Sheay, Simon vote).

A **MOTION** was made by Ms. Muir to approve the minutes. The motion was seconded by Ms. Butula.

On roll call vote, the following was recorded for approval of the 2/15/12 minutes:

Ms. Albrecht Aye Ms. Butula Aye Ms. Muir Aye Chair Nugent Aye

B. CORRESPONDENCE

1. **NALBOH** – Newsbrief, 1st quarter 2012.

Ms. Butula noted the article on page 2, Health in all Policies, this is a national policy for Boards of Health, and also is becoming a national policy across all health concerns, the National Institute of Health, etc., to think of environmental changes that contribute to health, prevention and health treatment, encouraging every aspect of public policy look at health as part of their component.

2. **NJLBHA** – pamphlet.

3. **HCDH LINCS** - 2/16/12 ADVISORY: Increase in Norovirus infections reported in NJ.

4. **Block 53/Lot 5** – Letter from NJDEP regarding LOI /Line Verification.

5. **Block 48/Lot 21.20** – Letter from NJDEP no further action.

6. **Block 70.01/Lot 11** – Letter from NJDEP no further action.

7. **Letter dated February 2012 from PSE&G** re: application for freshwater wetland permit #2, installation of new gas mains.

8. **Block 64/Lot 1** – Letter dated 2/27/12 from ADS Environ. regarding RAO.

9. **Block 31/Lot 8** – Letter dated 2/28/12 from PEI - receptor evaluation form.

10. **Block 21.13/Lot 8** – NJDEP – 413 Route 22 East - receptor evaluation form.

Ms. Butula asked Ms. Vaccarella if this were a routine follow up?

Ms. Vaccarella stated that B.10, 11. and 12. are the requirements to go to the clerk, and should be on file somewhere at the Municipal Bldg. which is readily accessible to the public.

11. **Block 21/Lot 1** – Letter dated 3/8/12 from JM Sorge, Inc. re: NJDEP Case # 11-04-21-0956-61.

12. **Block 20/Lot 6** – Letter dated 3/8/12 from JM Sorge, Inc. re: NJDEP Case # 99-09-13-1154-20.

13. **Hunterdon County Dept. of Public Safety Div. of Public Health Svcs.** – letter dated 3/25/12 regarding Hunterdon County Mosquito and Vector Control Pgm.

Ms. Butula asked that Ms. Petzinger keep this readily available for the public.

14. **NJDEP** – email dated 3/12/12 from DEP re: New Waiver Rule.

Ms. Butula stated that this waiver rule would begin 8/1/12. We are in the process of getting acquainted with it, this is a learning process that we will keep a careful eye on.

Chair Nugent stated that we will ask both the County, and board engineer Ferriero for their input on this.

Ms. Vaccarella stated that this may not effect anything that they would be involved in other than a public emergency.

Chair Nugent asked that the County and board engineer provide any further input at the next meeting.

15. **NJDEP** – email dated 3/15/12 from Mark Miller regarding amendments to NJAC 7:9A.

Ms. Butula noted that there are workshops set up over the state, and asked if the County would be involved?

Ms. Vaccarella stated that the May workshop in Bordentown would be attended by someone from the County. Also, hopefully the NJDEP will do a regional workshop at the County rather than going through a university. Chair Nugent asked that Mr. Kosinski follow up on this for the board, and provide feedback to the board at the next meeting.

*Ms. Butula asked Ms. Vaccarella if there was any information on the County website for 2012?
Ms. Vaccarella stated that she would follow up on it, and have someone get back to the board.*

C. OLD BUSINESS

1. Publications available through NALBOH.
2. Letter to Board of Chosen Freeholders.

Chair Nugent stated that this is on hold for the moment, pending upcoming pertinent information.

D. NEW BUSINESS

1. Memorial Day Community Day event.

Chair Nugent asked if the board were interested in looking into set up for this. There was some discussion as to the set up, and providing information to the public.

E. APPROVALS

Category A. – Single Lots

Heard at 7:35 p.m.

1. Block 50/Lot 28 – Erica Busch, Carver/Wind, Springtown Road.

Escrow fees paid 1/5/12, # 2805, \$750.

Previously heard 2/15/12.

Ms. Erika Busch, NJ licensed engineer appeared before the board. Mr. Paul Carver also attended. The design was discussed last month, the board asked that an alternate design be prepared, allowing the design to be reduced for pressure dosing. The re-design was submitted to the board, however it would have been only 12' from the well tank house, requiring a 3' was within 12' of the excavation, which is not a good idea. The integrity of the bed is more important than the distance compromise. The original design which was reviewed by the board would be the best option. There are three waivers requested, 1) distance of disposal bed to property line, 2) toe of the mound at 2' from the property line, not 10' per County, 3) septic and pump tanks approximately 60' from the stream, not the required 100' setback as per Readington Township.

Ms. Butula asked if there were any advantages to removing the utility pole, if they use the original plan?

Ms. Busch stated that Mr. Carver has looked into it. Just not having the wires in the way, and the integrity of the pole would make it beneficial to remove it, but it won't improve any of the distances.

Mr. Carver stated that they are proceeding with removing the pole, they have been in touch with PSE & G.

Chair Nugent asked what the distance is between the bed and the well tank, also, what is the well tank?

Ms. Busch stated the well tank is a small concrete roofed house about 2 – 3' high with a deep hole where the water comes from the well to a tank which is fully insulated.

Ms. Vaccarella stated instead of the pressure tank being in the house it is inside this pit.

Ms. Busch stated it is locked and insulated, the distance is 22.5' in the original proposal.

Ms. Vaccarella stated it would have a 10' distance requirement because it is considered part of the plumbing.

Chair Nugent stated that this property had noticed, and asked if there was anyone in the audience wishing to speak? There was no response, indicating that there was no one present. Of note was the neighbor who appeared last month, Mr. and Mrs. Esposito, who had expressed concern regarding the closeness to the property line, but had indicated no wells or septic as far as the distance to the proposed bed.

Ms. Butula asked about the heavy rain overnight and basin flood 1, done 11/16 – 11/18, also the witness had a comment on the bottom of his forms about the pit.

Ms. Busch stated that the basin flood was dug, filled with 375 gallons, that night it rained over 1", the water from the road flowed into the basin flood, and the sides were caving in. There was a little water in the morning because it was silted up. That was all cleaned out, and it was dry the next morning.

Chair Nugent asked if there were any other questions. There was no response.

A **MOTION** was made by Ms. Butula for approval for Block 50/Lot 28, 31 Springtown Road, Readington Township. This is a 2 bedroom residence. The map is entitled Septic System Alteration, Block 50/Lot 28 Township of Readington, Hunterdon County, NJ. 11/21/11, revision 12/16/11, prepared by Erica L. Busch, surveyor for topo, Daniel E. Parker, licensed surveyor. Correspondence from Erica Busch undated and 2/24/12, having no reference to this approval. Hunterdon County Health Dept. letter from 1/3/11. This is an alteration with no expansion, mounded soil replacement system, with a pump. Soils testing, primary, 11/16/11, soil log 1 @ 104", no mottling, no seepage, no groundwater, no hydraulically restricted horizon. Soil log 2 @ 100", no mottling, no seepage, no groundwater, no hydraulically restricted horizon. Permeability test is basin flood 1 @ 72", 11/16/11 – 11/18/11, passing. There was no in season ground water monitoring. The regional water is determined by the depth of excavation, @ 104" greatest depth. Wetlands transition area investigation by David C. Krueger, 12/22/11 conclusion - based on the methodology currently accepted by NJDEP pursuant to NJAC 7:7A, there are no areas within the proposed area of disturbance which would be classified as freshwater wetlands or transition areas. There is the use of a pump, requiring a waiver, and the deed restriction filed at Hunterdon County Clerk, a copy provided to the BOH secretary within 60 days. Three waivers are granted, 1) distance from disposal field to property line @ 10', 15' required, 2) distance from toe of mound to property line, @ 2', 10' required 3) septic and pump tank distance @ 60', 100' required. Notice was given to property owners who would be affected. Mr. and Mrs. Esposito appeared at the 2/15/12 meeting.

This motion was seconded by Ms. Albrecht. On roll call vote the following was recorded:

Ms. Albrecht Aye Ms. Butula Aye Ms. Muir Aye Ms. Rohrbach Aye Chair Nugent Aye

Heard at 7:50 p.m.

2. Block 93/Lot 12 – Bohren & Bohren, Miller, Higginsville Road.

Escrow fees paid 1/29/07, # 9857, \$500.; 9/12/11, 308, \$750.00.

Previously heard 11/16/11.

Mr. Robert Templin, NJ licensed engineer appeared before the board. Mr. Miller, property owner was also in attendance. This application was heard in November 2011, there was a question relating to the wetlands, a revised report was presented to the board. Also, the proposed driveway was included on the revised drawing in detail 1 and on the overall plan. The flood plain was also included.

Mr. Miller confirmed that they were given approval to switch the exception area, as long as the original one was turned back into farmland. As long as BOH approval is given, they would just have to go to the County Board of Agriculture, and they would re-write the preservation saying that the new exception is where the new structure is going to be and the old one is back to farmland and there is no structure on that site.

There was some discussion of the designation of the exception area on the map.

Chair Nugent asked Mr. Kosinski, referring to the revised wetlands delineation letter and testimony, if he had any comments regarding #3. from his firm.

Mr. Kosinski stated regarding the buffer shown adjacent to the disposal areas, the engineer brings up a good point, the DEP could consider that a wetland swale, in which case it wouldn't carry any buffer. Since it is a ditch, and well defined, they would be able to locate the wetland buffer on the plan. Based on the engineers testimony, in all likelihood, the DEP would find the same conclusion.

Chair Nugent asked Mr. Templin if he had explained the pump system, maintenance and deed restriction to his client?

Mr. Templin stated yes.

Mr. Miller stated yes.

Ms. Butula asked if Mr. Templin had considered using an effluent filter on this system?

Mr. Templin stated no.

Ms. Butula stated that it would be required very shortly.

Chair Nugent asked if there were any other questions. There was some discussion of the correspondence for this application.

A **MOTION** was made by Ms. Butula for Block 93/Lot 12, proposed 5 bedroom residence at 5 Higginsville Rd.

Readington, Hunterdon County, NJ. The map is titled Septic Design Approval for Jennifer and Doug Miller in Readington, Hunterdon County, NJ, consists of 1 final sheet, original date 8/24/06, revisions 4/17/08, 10/21/11, 11/23/11, prepared by Robert J. Templin, NJ licensed engineer and land surveyor, sheet 1 states that the proposed well is 100' away from the proposed septic system. Reports from Ferriero Engr. dated 2/8/07, 5/1/07, 10/5/11, 10/6/11, 10/27/11 and 11/30/11. This is new construction, system incorporating a pump using select fill, gravity flow from the D box to the bed. For the primary, soil log 4, 2/20/06, @ 120", no mottling, no seepage, no hydraulically restricted horizon, infiltration @ 88", 24 hours @ 84". Soil log 3, 2/20/06, @ 120", no mottling, no seepage, no hydraulically restricted horizon, infiltration @ 90", 24 hours @ 93". Permeability test pit bail 1, 2/20/06 – 2/21/06 in soil log 4, @ 108", results 11.81"/hour. In season ground water monitoring was done 2/28/06 – 4/18/06, soil log 3 @ 100" on 2/28/06, soil log 4 @ 91" on 2/28/06. Regional groundwater is determined in soil log 4 @ 84", highest rate of infiltration. For the reserve, soil log 1, 2/20/06, @ 115", no mottling, no hydraulically restricted horizon. Soil log 2, 2/20/06, @ 128", no mottling, no hydraulically restricted horizon, infiltration @ 90", 24 hours @ 95". Permeability was pit bail 1 in soil log 1 @ 108", 2/20 – 2/21/06, results 61.44"/hour. In season ground water monitoring dates 2/28/06 – 4/18/06, soil log 1, 75", 2/28/06, soil log 2, 87", 2/28/06. Regional ground water for the reserve area is 75" on 2/28/06. Wetland delineation reports from Bohren and Bohren dated 4/17/08 inclusive of other determining documents and revised 11/21/11 by Ryan Warford, summing in his professional opinion since the wetlands discharge into an FW2-NT non trout bearing stream, and there are no threatened or endangered species observed at the site during investigation, it would be categorized as freshwater wetlands value with 50' transition area. The system will use a pump, the owner is aware of the deed restriction, recording and maintenance involved.

This motion was seconded by Ms. Albrecht. On roll call vote the following was recorded:

Ms. Albrecht Aye Ms. Butula Aye Ms. Muir Aye Ms. Rohrbach Aye Chair Nugent Aye

Mr. Templin and Mr. Miller thanked the board.

Heard at 8:35 p.m.

3. Block 67/Lot 1.04 – Biggs Engr., Shaw/Lewis, Thor Solberg Rd.

Escrow fees paid 1/6/12, # 14042, \$750.

Mr. Jess Symonds, Biggs Engr., NJ licensed engineer, appeared before the board with Mr. Shaw, property owner. The existing septic was tested by ASI during a real estate transaction in 2011 and confirmed to be unsatisfactory. Two soil logs and a pit bail were performed in June 22, 2011. The results of the soil logs were a regional zone of saturation in soil log 1 @ 28", a regional zone of saturation in soil log 2 @ 33". An excessively course horizon on soil log 1 of 50 – 98", soil log 2 of 51 – 122". Machine refusal @ 98" on soil log 1, excavating to 122" on soil log 2. The results of the pit bail was 8.51"/hour, which is a K4 permeability. Based on these soil logs and testing, a mounded system was designed. The proposed location is the southeast corner of the lot. The existing well and septic are on the north side. There are no wells within 150' of the proposed system. There are no wetlands within 150' of the proposed disposal bed, which is noted on sheet 2, Mr. Symonds personally walked the property. The proposed system will require a pump tank and pump. The only other variation will be infiltrators and the reason is to lower the top of the mound a foot or so.

Chair Nugent asked that Mr. Symonds explain how the infiltrator works.

Mr. Symonds stated the infiltrator is basically a little plastic dog house, it doesn't require the use of stone, it is placed on compacted select fill, basically they usually put 2' of crushed stone in the disposal beds, the infiltrators are only 12" high and they have a low profile infiltrator that is only 8" high, you don't have to have stone over the infiltrator, basically they are backfilled with

topsoil, and work in lieu of the stone. The water comes in from the D box and runs into rows of the dog houses runs into plastic platform at the front of the infiltrators and disperses.

Ms. Muir asked Ms. Vaccarella if she has seen any of these in the County?

Ms. Vaccarella stated yes, they are not a problem, and are extremely easy to put in.

Ms. Butula asked what if any are the maintenance issues with these systems ?, and if Mr. Symonds has any long term experience with them?

Mr. Symonds said he is aware of systems that were installed 15 years ago, and they are still working, the plastic doesn't break down.

Ms. Butula asked if there was any connection between mounds not being properly maintained and this kind of system? And what is the distance between the top of the mound to the top surface of this igloo-like structure? Mr. Symonds stated no, infiltrators do not allow as much root intrusion as crushed stone does because they're not solid on top, they have little fins so they can breathe. There is 9", as long as they are covered, they could run lawn mowers, etc. over them.

Ms. Vaccarella asked if it were possible for the board to attend the installation for observance?

Mr. Symonds stated yes, that would not be a problem, they also have pictures available if the board is interested. There was some discussion of the aeration and number of chambers, Mr. Symonds stated that it is equivalent or better than stone, and there are 96 chambers @ 11.33 sq. ft. unit giving the total square footage.

Chair Nugent confirmed that the system would be installed within the 3 year limit on the approval? And has the deed restriction, maintenance and recording been discussed with the client?

Mr. Symonds stated yes, it would be installed immediately and the client is aware of the pump requirements.

Chair Nugent stated aside from the 3 year limit, this board would be introducing a record keeping process for this TWA which will be extra work for Ms. Petzinger. One of the issues is that the manufacturer is required to report to the state annually failures/problems, etc. In general the TWA suggests that the manufacturer reapplies for approval every year, is any of that material available this evening?

Mr. Symonds stated no, there is a later one available than the 2004, from 2007 and that is where the TWA allows the reduction. Aside from that all the other requirements still stand.

Chair Nugent asked if this was still allowable and acceptable to the DEP?

Mr. Kosinski stated that he had no information to indicate that the DEP had rescinded that TWA.

Ms. Vaccarella stated also that it is proposed to go into the amendments.

Chair Nugent asked if this firm specifically, the Infiltrator Inc. and the Quick4 Standard still approved by NJDEP?

Mr. Kosinski stated that he did not have the TWA with him, but he knows they are listed, also, Mr. Vaccarella noted in his letter of 12/22/11 that the Infiltrator Chamber product is acceptable under DEP TWA permit number 04-3487-4SG.

Ms. Butula stated that the board would require that information to be on file, and also, the certification of the installing contractor. Also on soil log 1, BF is indicated but a pit bail was done. The items already covered were the pump, neighboring wells, the name Meyers on some documentation, the pump tank to the D box is a pump, from the D box to the system is gravity, the note on page 2 of 8 and testimony to the wetlands and the engineer walked the property and is 150'. Other than the documentation mentioned, it looks good.

Chair Nugent stated that he would recommend Mr. Symonds review the TWA and the things that this board would require to make an approval. They had talked about needing the following: confirmation that this is still an approved system from the State; the certification of the installer; basic information from the manufacturer on the system, including the basic concept; the installation manual.

Chair Nugent asked if there was any maintenance on this type of installation?

Mr. Symonds stated no, the only difference in this and a standard gravel bed is infiltrator asked them to put a filter on the septic tank.

Ms. Butula asked if the engineer had discussed the maintenance of the filter with his client?

Mr. Symonds stated yes, the maintenance is minimal. He recommends cleaning every 6 months to begin with and if it is clean every 6 months, it could be extended to a year. The tank should be pumped every 3 years.

There was some discussion of the ports in the infiltrator bed.

Chair Nugent confirmed that the effluent filter is going into the existing tank, or a new tank if it has to be replaced, is that correct?

Mr. Symonds stated yes, that is correct.

Ms. Muir asked that the outstanding items be listed clearly, they need confirmation that the system is accepted at the state level, installation information from the manufacturer, certification of the installer, is that correct?

Chair Nugent stated yes, the board does not give conditional approvals without confirming that the system is acceptable by the state, that the installer is acceptable, and the board has the opportunity to review the installation guide and make sure that there are no other issues to address.

Mr. Shaw confirmed that they are waiting for the next meeting, on April 18, 2012 and the material has to be in by April 4, 2012.

Mr. Symonds and Mr. Shaw thanked the board.

Heard at 9:15 p.m.

4. Block 46/Lot 19.19 – Hoffman, Fischer, Brier Rd.

Escrow fees paid 3/1/12, # 628, \$750.

Mr. Kurt Hoffman, NJ licensed engineer appeared before the board. This application is for 8 Brier Road, an existing 4 bedroom dwelling. Soil logs 1 and 2 were performed at the site, with basin flood in soil log 1 for an alteration septic system, as part of this they are also proposing an additional 1,000 gallon septic tank due to the malfunctioning existing septic system. The proposed system is a gravity system. Soil log 1 was excavated to a depth of 120", 0 -10" topsoil, 10 – 32" clay loam, 32 – 120" non soil.

Ms. Butula asked if he was going to use an effluent filter.

Mr. Hoffman stated that the homeowner preferred the additional 1,000 gallon tank.

Ms. Butula asked if Mr. Hoffman would testify to the note indicating no adjoining wells within 100'.

Mr. Hoffman stated yes, there are no adjoining wells and/or septic systems within 150' of the proposed system.

Chair Nugent asked if there were any other questions.

There was no response.

A **MOTION** was made by Ms. Butula for approval for Block 46/Lot 19.19, 4 bedroom residence at 8 Brier Rd. in Readington Township. The map is titled Septic Design for David Fischer Block 46/Lot 19.19 Readington Township, Hunterdon County, NJ, 5 sheets dated 1/30/12, no revisions, prepared by Kurt Hoffman, NJ licensed professional engineer. Surveyor Richard J. Hingos, 8/31/11; topo by George A. Sniffin, 1/16/12. Hunterdon County Health Dept. report is dated 3/5/12. Wetlands report is from Jeff Tariela, 12/23/11, determining that no freshwater wetlands, freshwater wetland transition areas or state open waters were present within the proposed replacement septic system area. This is an alteration with no expansion, a new 2 compartment tank, gravity flow, bottom lined mounded system. For the primary, soil log 1, 1/11/12, @ 120", no mottling, no hydraulically restricted horizon, no ground water, no seepage. Soil log 2, 1/11/12, @ 105", no mottling, no hydraulically restricted horizon, no ground water, no seepage. Permeability test was basin flood 2-1, 1/11/12, @ 6.5', passing. The regional zone is determined by soil log 1 @ 120".

This motion was seconded by Ms. Muir. On roll call vote the following was recorded:

Ms. Butula Aye Ms. Muir Aye Ms. Rohrbach Aye Chair Nugent Aye

Mr. Hoffman thanked the board.

F. ADJOURNMENT

A **MOTION** was made by Ms. Muir to adjourn at 9:30 pm, seconded by Ms. Rohrbach with a vote of Ayes all, Nays none recorded.

Respectfully submitted:

Lorraine Petzinger
Board of Health Secretary