

READINGTON TOWNSHIP BOARD OF HEALTH MEETING

April 21, 2010

Chair William C. Nugent called the meeting to order at 7:18pm 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	absent	William C. Nugent	present	Wendy Sheay	absent
Jane Butula	present	Tanya Rohrbach	present	Donna Simon	absent
Beatrice Muir	present				

Also Present: Board of Health Attorney, Stanley T. Perlowski, Esq.
Board of Health Engineer, Ferriero Engineering, Inc. representative, John Hansen
Hunterdon County Dept. of Health representative, Debra Vaccarella

A. APPROVAL OF THE MINUTES

1. **Minutes of February 17, 2010** . (-Albrecht, Rohrbach, Sheay vote).

The approval of the minutes of the February 17, 2010 Board of Health meeting is deferred.

2. **Minutes of March 17, 2010**. (-Butula, Rohrbach, vote).

The approval of the minutes of the March 17, 2010 Board of Health meeting is deferred.

B. CORRESPONDENCE

1. **Suspected Hazardous Discharge Notification** letter dated 3/11/10 regarding oil heating #2.

2. **Suspected Hazardous Discharge Notification** letter dated 3/12/10 regarding soil contaminated.

Chair Nugent questioned whether or not the resident understood what the complaint was. Ms. Vaccarella stated that this may have been handled as a hazmat complaint, this is still open.

3. **HCDH LINC**S – dated 3/19/10 – Public Health UPDATE –MMWR Week 10.

4. **Letter dated 3/18/10** from AECOM Tech. Svcs. Regarding Rt.22EB over So.Branch Rockaway Creek.
(on file in Clerk's office).

5. **Suspected Hazardous Discharge Notification** letter dated 3/16/10 regarding oil heating #2.

6. **Suspected Hazardous Discharge Notification** letter dated 3/16/10 re: oil transformer non-pcb.

7. **Block 66/Lot 49.02** - HCHD Complaint report dated 3/23/10.

Chair Nugent stated that this ties into item B.16.

8. **Block 18/Lot 22** - HCHD Complaint report dated 3/23/10.

9. **HCDH LINC**S – dated 3/25/10 – Public Health UPDATE –Reduced vaccine schedule for post-exposure prophylaxis to prevent human rabies. www.cdc.gov/mmwr/preview/mmwrhtml/rr5902a1.htm

Chair Nugent stated this should be forwarded to the receptionist and also the Police Dept.

10. **HCDH LINC**S – dated 3/26/10 – Public Health ALERT - American Recovery and Reinvestment Act (ARRA) Vaccine Program Announcement.

Ms. Butula stated that this is going to be the Hunterdon Healthcare System. Ms. Vaccarella stated that the LINCS messages come out to the County first, so they are aware of this.

11. **Block 21/Lot 19** – NJDEP No further action letter.

12. **Block 64/Lot 37.03** – NJDEP No further action letter.

13. **HCDH LINC**S – dated 4/1/10 – Public Health MESSAGE – Guidance for Rescue Groups Importing Dogs and Cats from Haiti.

14. **Block 39/Lot 53** – NJDEP – General Permits No. 6 & 10.

Ms. Butula noted that this should be included in the BOH file.

15. **Block 35/Lot 25** – Letter from CTM Environmental Svcs. Inc. dated 4/5/10 re: Notice of indoor air analytical results. NJDEP case# 04-05-11-1019-50.

Ms. Butula stated that issues have come up since 1984, where there is dry cleaning on the premises. Ms. Vaccarella stated that the standards for dry cleaning have substantially changed within the past 4 months in that volatile organics cannot be exceeded within the premises itself. Ms. Butula stated that the BOH is interested in the follow up on this.

16. **Block 66/Lot 49.02** – Notice of violation dated 4/19/10 from RT Code Enforcement.

Chair Nugent thanked the HCHD for forwarding this and RT Code for their prompt follow up.

C. SEPTIC REPAIRS (HCHD status in italics).

1. Septic System Repair Approval from HCHD, B 62/L 6.02. *Final field 3/23/10*
2. Septic System Repair Approval from HCHD, B 94/L 16. *Final field 4/8/10*
3. Septic System Repair Approval from HCHD, B 64/L 23. *Final field 3/17/10*
4. Septic System Repair Approval from HCHD, B 46/L 10.12. *Final field 4/6/10*

D. OLD BUSINESS

1. Annexes –

- o Radiological Protection annex
- o Public Health annex

Chair Nugent noted that these were distributed to each board member to be kept on file.

E. NEW BUSINESS

1. **Pet Waste Pollution flier** - request from Environmental Commission - provide handout at rabies clinics.

Chair Nugent asked if there were an ordinance to cover this. Ms. Petzinger stated that she did not believe that there was an ordinance to cover this specifically.

2. **Partnership** - *Ms. Butula stated that she has been invited to join the Coalition for Safe Communities and has been attending the meetings for the past 4 months. This is a continuation of Issue 4, which new funding has become available for.*

F. APPROVALS

Category A. – Single Lots

Heard @ 7:40 p.m.:

1. **Block 36/Lot 22 – Kurt Hoffman Engr., Hergenrother, Pulaski Rd.**

Escrow fees paid 3/26/10, ck#226, \$400.; ck#2261, \$350.

Mr. Kurt Hoffman, Kurt Hoffman Engineering appeared before the board. Mr. Hoffman is a licensed engineer in NJ. This application is for 37 Pulaski Rd., Block 36/Lot 22, Readington Township. This is an existing 4 bedroom dwelling that has a malfunctioning system. They are doing an alteration septic design. Two soil logs were done, soil log 1 and 2 and pit bail in soil log 1 were done. This system is designed with a pump that was explained to the purchasers and the seller of the property, they are all aware of the need for the pump, and the deed restriction. The HCHD review letter dated 3/22/10 confirms that this application requires the approval of the soil logs and testing and the use of a pump in the system. Also, a letter from Jeff Tariela, wetland consultant confirms that there are no wetland or wetland transition areas on the site. The survey was done by Frank Bohren, the topographical map was done by George Sniffin. There are no septic or wells within 150' of the proposed septic area, there are 100' well and 150' septic circles shown on the design. A dye test was done to determine that the system was failing.

Ms. Butula asked about the seepage at 90 in soil log 2, and why 84 was the regional zone ?

Mr. Hoffman stated that both holes were left open, that should have been the 24 hour static water, at 84.

Ms. Butula asked what the reading was on the pit bail test data form?

Mr. Hoffman stated it was 24.5"/hour.

Chair Nugent asked if there were any further questions ?

There was no response.

A **MOTION** was made by Ms. Butula for **approval** for Block 36/Lot 22, map named 'Septic Design for Gloria Hergenrother, for Block 36/Lot 22, Readington Township, Hunterdon County, New Jersey'. The Map pgs. Are numbered 1 – 7, dated 3/4/10, revision on pg. 2 of 3/15/10, prepared by Kurt Hoffman, PE. The survey is by Frank Bohren, topographical survey done by George A. Sniffin, P.L.S., dated 3/2/10. HCHD report is dated 3/22/10, this is for an alteration with no expansion, mounded soil replacement system with a pump. Primary on 3/2/10, soil log 1, @ 128", no mottling, seepage @ 84", pit flooded to 73" in 24 hours, soil log 2, @ 134", no mottling, seepage @ 90", pit flooded to 96", there was a possible flooding to 84". The permeability was pit bail 1, it is done to 9' on 3/3/10, 24.5"/hour, K=4. Regional water was determined by the logs at 73" in soil log 1. A wetland investigation submitted by Jeff Tariela dated 3/1/10 stated "it is our determination that no freshwater wetlands, wetland transition areas or state open waters were present on or within 50' of the proposed replacement septic system. There will be a

pump used in this new system, the engineer has testified that the present and new owners know about the deed restriction, the engineer should forward the information to the new owners and a copy of the deed restriction be provided to the BOH secretary within 90 days. There is also testimony that there are no neighboring wells involved with this new primary location.

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

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

Heard @ 8:55 p.m.:

2. Block 38/Lot 38.02 –Land Associates Engr., DiDonato, Coddington Road

Escrow fees paid 2/14/08, Ck# 1781, \$750.; 1/7/09, Ck# 2055, \$750; 11/25/09, Ck# 2310.

Previously heard 7/15/09, 9/16/09.

Mr. Rich Wostbrock, NJ licensed engineer with LAN Associates appeared before the board. Mr. Wostbrock stated that this is a continuation, the project involves knock down construction, new construction of a new 5 bedroom house, and a new septic system. The engineering firm suggested variances from the regulations with regard to the well separation to the secondary, or reserve, field area. At the September 2009 meeting they determined to identify the condition of the existing wells. The well in use is not cased to 50', they are proposing a new well be constructed with a casing of 50' and a maximum depth of 130', which was established through correspondence with NJDEP. The new well eliminates the variance condition.

Chair Nugent asked if the State well requirement of 50' is a minimum, so if bedrock was not encountered at 50' the well would need to be deeper ?

Ms. Vaccarella stated that is correct, but their definition of bedrock is much looser than in the code.

Ms. Butula stated the well circle is more than 100' of everyone's septic, and that the reserve and primary do not encroach beyond the neighbors.

Mr. Wostbrock stated that's true, the radius of 100' is conforming with other wells and septic in the area; that is true about the reserve and primary areas.

Chair Nugent clarified that the material submitted between September 2009 and now is that the proposed well is beyond the 100' from the primary and reserve, therefore, no variances are being requested.

Chair Nugent asked if the engineer had received the letter from M2 Associates dated 3/23/10, and if there were any comments or questions?

Mr. Wostbrock stated he did receive the letter and they agreed with Mr. Mulhall's findings and State's recommendations.

Ms. Butula asked if the property owners were aware that they are in the CKE zone?

Mr. Wostbrock stated that he was not sure of how much they were aware of, but the requirement of a deed restriction for the POET system would come up in a title search.

Chair Nugent asked if there was a copy of the well abandonment certification?

Mr. Wostbrock stated there is no record of abandoned wells, or of the drilling of the wells.

Chair Nugent stated so the existing well to be abandoned is currently to be abandoned?

Mr. Wostbrock stated it is to be abandoned, that is the one that was in use for the former house. The one marked existing abandoned well with 4" casing has been cemented over.

Ms. Butula asked Ms. Vaccarella if she felt they needed anything more on that well?

Ms. Vaccarella stated the well driller could also fill out a well abandonment permit for that. If there are also piezometers on the property, they will also have to be abandoned. The well driller can certify that both have been abandoned.

Chair Nugent asked Mr. Perlowski if there were any questions on this application?

Mr. Perlowski asked Mr. Wostbrock, if in the report submitted by M2 Associates, there is a reference to the other documentation submitted by Readington Twp., is that reference to the Board of Health ?

Mr. Wostbrock stated that was material provided by the Board of Health office to Mr. Mulhall.

Mr. Perlowski asked Mr. Wostbrock to address this in a general fashion, where is the plume that is referred to, which way is it running, and which properties would it adversely affect ?

Mr. Wostbrock stated that the report gives reference to it, and it is partially shown on the i-Map, but it also states that the source of the contamination is not known, so it would be difficult to determine where the plume is, however,

it is his understanding that the plume, generally, covers this area of the town, it certainly isn't limited to this site. Ms. Butula stated that this is a study that Ms. Vaccarella, with the Hunterdon County Dept. of Health and the State was involved with. There is a complete report at the State DEP, and is much larger than this applicant's engineer is expected to know.

Chair Nugent stated that the analysis suggested that the flow was in a northeasterly direction, but the board hydrogeologist suggested the possibility that it ran in a south easterly direction.

Mr. Perlowski asked if the Board felt that those documents that indicate the direction of the flow should be a part of this hearing ?

Ms. Muir stated that those documents are on file with the NJDEP, and the Boardmembers are not experts in the field for plume flow and determination, it would be impossible for the Board to be succinct about it, they can generally refer to it in the application, so that the property owner can know about it in the deed restriction and through the minutes, but definite references shouldn't be made, because those things change, and the Board can only ask that the property owners refer to the literature available, and to the experts available at the NJDEP.

Ms. Butula stated that Ms. Vaccarella is our liason and water expert, also the NJDEP has identified these as CKE (Currently Known Extent) zones, and the POET (Point Of Entry Treatment) systems are supposed to have deed restrictions on them.

Mr. Perlowski asked if it was known whether or not this property is in the CKE zone ?

Chair Nugent stated that earlier communication from NJDEP seemed to indicate that the property is fully within the CKE zone.

Mr. Perlowski stated that raises a question as to whether or not the situation is worse at the present time ?

Ms. Muir stated the POET system is what the DEP recommends and the Board takes direction from them, they are tested/sampled twice a year.

Ms. Vaccarella stated it depends on the level of contamination as to how many times/year they are sampled.

Ms. Butula stated that a baseline sample is taken on the new wells in these areas, which this applicant will be asked to do, and this all assists in the process.

Ms. Vaccarella stated that the DEP has test wells in other areas, it is an ongoing situation.

Chair Nugent asked Ms. Vaccarella, if part of the installation of a new well will include potability testing?

Ms. Butula stated that Mr. Mulhall had addressed this in his letter and asked if Ms. Vaccarella had any additional input?

Ms. Vaccarella stated if the board is intending to do what they've done in the past, requesting the applicant to put a treatment on the well, then that is what the board's policy has been. All new wells are certified by the department, and the water tests encompassed are the water tests required under the private well testing act, volatile organics initially has to be passing, so it will be tested both before and after.

There was some discussion of the State spill fund.

Chair Nugent asked if there were any other questions, or discussion.

A **MOTION** was made by Ms. Butula for **approval** of Block 38/Lot 38.02, the DiDonato residence, it is a proposed 2 story dwelling, 29 Coddington Road, to be relocated to Tunis Cox Road, Readington Twp., Hunterdon County, NJ. The existing home will be demolished, and a new 5 bedroom home constructed. The map is named Septic Plan Daniel DiDonato, Block 38/Lot 38.02, 29 Coddington Road, Readington Township, Hunterdon County, NJ; prepared by Richard A. Wostbrock, licensed professional engineer, dated 12/12/07, revisions 7/30/08, 4/20/09, and 11/20/09. Correspondence includes: LanTek Consulting, 4/7/08, 4/28/08, and 8/5/08; Mark LaFrank, licensed professional engineer dated 12/7/07; Lan Associates, 8/1/08, 11/7/08, 4/24/09, 7/21/09, 11/23/09; Gregg Bakeman, 7/31/09; Ferriero Engineering, 5/5/08, 9/18/08, 11/14/08, 5/18/09; Garden State Labs, 1/10/07, a report on the drinking water, volatile organics negative; Sam Stothoff, 9/30/09; 2 pgs. of email correspondence between Chris Guddemi and Yang Lin Juang, NJDEP, dated 10/9/09 – 11/16/09; report from M2 Associates, Matt Mulhall, 3/23/10. For the primary, soil log 4, @142", mottling 80 – 86", no seepage, hydraulically restricted horizon 12 – 86", Soil log 5, 144", mottling 80 – 88", no seepage, hydraulically restricted horizon 12 – 88", permeability test is basin flood 2, @126", 9/18/07 – 9/19/07, passing. In season ground water monitoring was done between 2/13/09 – 4/3/09, no ground water noted, regional water for the primary is determined at 80" per soil log 4 and 5. For the reserve, 9/18/07, @ 140", mottling 76 - 108", no seepage, hydraulically restricted horizon 30 - 84", soil log 3, @ 142", mottling 78 – 90", no seepage, hydraulically restricted horizon 30 - 90", permeability test is basin

flood 2, @124", 9/18/07 – 9/19/07, passing. In season ground water monitoring was done between 2/13/09 – 4/3/09, no ground water noted, regional water for the reserve is determined at 76" per soil log 2. Testimony by Christopher S. Guddemi, Environmental Specialist for the firm testified that there was no evidence of wetlands or transitional areas within 150' of the area of disturbance of the primary or reserve system. This will be a deed restricted pump system, the deed to be filed at the Hunterdon County Clerk's office by the applicants attorney, a copied will be Filed with the Board of Health secretary within 90 days. The report from the Board of Health hydrogeologist certified that this present and future residence are located in a CKE (Currently Known Extent) zone. This board is requiring that a POET (Point Of Entry Treatment) system is installed on the well to protect the future health of the residents of this home. From the 3/23/10 letter from M2 Associates, when the new well is installed at the location, a sample will be collected from the well prior to any treatment and this sample shall be analyzed for volatile organic compounds to determine existing conditions. A copy of this report is to be given to the Hunterdon County Dept. of Health and to the Readington Township Board of Health Secretary. The POET system that will be installed is comprised of two GAC canisters located in series shall be used to treat the water in this new residence even if no volatile organics are detected in the sample collected from the well. This POET system shall be installed, operated and properly maintained until such time as the NJDEP determines that groundwater beneath the Tunis Cox Road groundwater contamination area contains no chlorinated solvents of concern. The NJDEP and the United States Environmental Protection Agency established a very low MCLs for TCE, PCE and 1,1-DCE because of the carcinogenic potential. Even with the POET system, groundwater samples should be collected and analyzed for volatile organic compounds at least once every six months to ensure that the system continues to provide the necessary treatment, and those reports must be submitted promptly to the HCDH and this board of health. A deed must also be attached to this because of the fact that a POET system is required, and that groundwater samples be collected and analyzed for volatile organic compounds at least once every 6 months to ensure that the system continues to provide the necessary treatment and these reports must be submitted to the Hunterdon County Health Department and the Readington Township Board of Health. After the reports are submitted to the Hunterdon County Health Department, whatever recommendations they make is mandated, and also the maintenance of this system is the responsibility of the current owner.

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

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

Heard @ 10:00 p.m.:

3. Block 18/Lot 10 – Bayer-Risse Engr., Olsen, Route 22 West

Escrow fees paid 4/7/10, ck#198, \$750.

Mr. Bill Jupinka, Bayer-Risse Engineering, and licensed engineer in the State of New Jersey appeared before the board. This application is for an existing two bedroom dwelling, proposing an increase to 4 bedrooms.

Ms. Butula stated that a discrepancy exists in that the Board's soil witness indicated 3 bedrooms on the witness forms, the engineering firm has indicated 2 bedrooms, and the Tax Assessor's office has this property on file as 3 bedrooms, as of 2008. If the applicant is proposing 2 more bedrooms, that totals 5.

Mr. Jupinka stated the owners are proposing a total of 4 bedrooms.

Ms. Vaccarella asked how they were planning on expanding the house?

Mr. Jupinka stated that there are currently no architectural plans, however, the homeowner had stated that it is a two bedroom and they would like it to be 4 bedrooms. Whenever plans are submitted for the architectural, they would have to reflect 4 bedrooms Ms. Vaccarella stated the County looks at the floor plan of what is there now and what they're planning and definitely in a 2 story house, any 2nd floor room is considered a bedroom.

Mr. Jupinka stated that the proposed application would be for one additional bedroom, for a total of 4. The existing system is a 500 gallon steel septic tank and the seepage pit that will be abandoned. There are no wetlands on or within 150' of the property, and no wells within 100', or neighboring disposal fields within 50' of the proposed location. The site is surrounded by a thick treeline, there are no neighboring structures. The soils are classified as Norton Loam, which have a severe constraints to septic because of slow permeability. The soils tests went to 11 – 12' before getting to a sand based material. There was no ground water, no mottling within the soil logs of either location. The 8 weeks of groundwater monitoring from 1/23 – 3/13/10, highest reading was 160" in soil log 121-1 and 150" in 121-2. This will be a soil replacement gravity system. The lot size is .6 acres, which falls under the

less than 1.5 acres for a reserve.

Ms. Butula stated that there had been a question on a reserve area, and thanked Mr. Hansen for his prompt response on that lot size restriction.

Chair Nugent confirmed that Mr. Jupinka had actually walked the property.

Mr. Jupinka stated that he had.

Chair Nugent asked Mr. Jupinka to confirm the use of a 2 compartment tank with an effluent filter.

Mr. Jupinka stated that is correct, with an effluent outlet filter. The recommended maintenance is with every pumping and not to exceed a 3 year period.

Chair Nugent asked the board if there were any other questions/concerns ?

There were no comments.

A **MOTION** was made by Ms. Butula for **approval** of Block 18/Lot 10, from a map titled Septic System Alteration Design for Nelson Olsen, Block 18/Lot 10, Readington Twp., Hunterdon County, NJ, pages 1 – 10 dated 3/21/10, no revisions, prepared by Stephen Risse, licensed P.E. The licensed land surveyor is Charles E. Saladin Jr., survey done 3/26/10. A report from Ferriero Engineering is dated 4/15/10. This is an alteration with expansion. The final result is for 4 bedrooms, to be noted by Hunterdon County Health Dept., and Readington Code Enforcement. This is a soil replacement, bottom lined, gravity system. There is only a primary and no reserve area because it is less than 1.5 acres. The testing was done 1/21/10, soil log 0121-1 @ 212", no mottling, no seepage; soil log 0121-2 @ 202" no mottling, no seepage. The permeability testing is textural analysis 0121- 1 done at 192" with K-4 rating, all necessary replicates were done. A textural analysis 0121-2 was done at 192" with a K4 rating. In season groundwater monitoring was done from 1/23/10 – 3/13/10, in 0121-1, on 2/6/10 the Highest was 160", in 0121-2, 1/23/10 – 3/13/10 @ 196", on 3/6/10 the highest was 150", determining the regional groundwater.

This motion was seconded by Ms. Rohrbach, on roll call vote the following was recorded:

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

Ms. Butula amended this motion to include the testimony that was given by the engineer, and is also in notes 1 and 2, regarding no wetlands, or transitional wetlands, and no neighboring wells within 100' or disposal systems within 50'.

This amended motion was seconded by Ms. Rohrbach, on roll call vote the following was recorded:

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

Heard @ 10:15 p.m.:

4. Block 42/Lot 35 – Bayer-Risse Engr., Nettleship, Scrabbletown Rd.

Escrow fees paid 4/7/10, ck#124, \$750.

Mr. Bill Jupinka, Bayer-Risse Engineering, and licensed engineer in the State of New Jersey appeared before the board. This application is for an alteration for expansion. This is a 4 bedroom house with a 2 bedroom septic system. All records indicate that this is a 2 bedroom house built in the 1970's. Mr. Nettleship is not the original owner, he is proposing correcting this system. The property is 1.95 acres, primary and reserve areas proposed are in the Annandale and Edneyville gravelly loam area, moderately restrictive. Eight weeks of monitoring was done, which were all dry. In the location for the primary, there are no wetlands within 150' of the subject or on the property.

Chair Nugent confirmed that Mr. Jupinka had actually walked the property.

Mr. Jupinka stated that he had, and there are no neighboring wells or disposal areas within 150' of the proposed septic area. On Lot 42, the key map on top, is the closest well location and is greater than 150'. The soil encountered is a clay loam, followed by a sandy loam. Textural analysis was done, and some perc tests were done, results of K3 types, did not encounter any groundwater or monitoring in any of the test holes.

The proposed system is a soil replacement, bottom lined gravity system for a 4 bedroom dwelling, with a new 2 compartment tank with an effluent outlet filter.

Chair Nugent asked what the reason was for such deep testing.

Mr. Jupinka stated that they wanted to ensure that they had 4' of sandy loam for the zone disposal.

Chair Nugent asked the board if there were any other questions/concerns ?

There were no comments.

A **MOTION** was made by Ms. Butula for **approval** of Block 42/Lot 35, from a map titled Septic System Alteration Design for R. Nettleship, Block 42/Lot 35, Readington Twp., Hunterdon County, NJ, dated 3/23/10, no revisions, prepared by Stephen Risse, licensed P.E. The licensed land surveyor is Charles E. Saladin Jr., survey done 3/16/10. A report from Ferriero Engineering is dated 4/15/10. This is an existing 4 bedroom home with a 2 bedroom septic, which they are making a 4 bedroom septic. This is an alteration with no building expansion, but an updating to the proper septic design. For the primary, soil log done 1/5/10, 0105-2, @ 168", no mottling, no seepage; soil log done 1/5/10, 0105-4, @ 168", no mottling, no seepage. Permeability was 2 percolation and 1 textural analysis, PT1 @ 95" on 1/5/10, results 27.3 min/inch; PT1 @ 101" on 1/5/10, results 31.8 min/inch ; TA2 in soil log 0105-2, @95", K3. For the reserve, soil log done 1/5/10, 0105-1, @ 174", no mottling, no seepage; soil log done 1/5/10, 0105-3, @ 168", no mottling, no seepage. Permeability on 1/5/10, 1 textural analysis, @140"; K3 in 0105-1. In season groundwater monitoring was done on both the primary and the reserve from 1/9/10 – 2/27/10, no water resulting in either. The regional zones are determined by the depth of the excavations. This is a soil replacement, bottom lined, gravity distribution disposal system. Notes 1 and 2 stated on pg. 3 of 10, based on field observations and NJDEP iMap, the septic system does not encroach upon any wetlands or transition areas and there are no neighboring disposal systems within 50' and no wells within 100'.

This motion was seconded by Ms. Rohrbach, on roll call vote the following was recorded:

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

G. ADJOURNMENT

A **MOTION** was made by Ms. Muir to adjourn at 10:30 pm, seconded by Ms. Butula with a vote of Ayes all, Nays, none recorded.

Respectfully submitted:

Lorraine Petzinger
Board of Health Secretary