

## READINGTON TOWNSHIP BOARD OF HEALTH MEETING

June 17, 2009 7:00 pm

Chair William C. Nugent called the meeting to order at 7:08 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	absent	William C. Nugent	present	Wendy Sheay	present @ 7:10
Jane Butula	present	Tanya Rohrbach	present	Donna Simon	absent
Beatrice Muir	present				

**Also Present:** Hunterdon County Health Dept.: Debra Vaccarella @ 7:10 pm

**Not in Attendance:** Board of Health Attorney, Stanley T. Perlowski, Esq.  
Board of Health Engineer, Ferriero Engineering, Inc., Joe Kosinski

### A. APPROVAL OF THE MINUTES

1. **Minutes** of April 15, 2009. (-Albrecht, Muir, Rohrbach vote).

*Deferred to 7/15/09.*

2. **Minutes** of May 20, 2009. (-Albrecht, Butula vote).

A **MOTION** was made by Ms. Muir, seconded by Ms. Sheay to approve the minutes of 5/20/09.

On roll call vote, the following was recorded:

Ms. Muir	Aye	Ms. Sheay	Aye
Ms. Rohrbach	Aye	Chair Nugent	Aye

### B. CORRESPONDENCE

1. **NALBOH** – Newsbrief, issue 2, 2009.

*The board members discussed an article on promoting healthy lifestyles.*

*Ms. Butula noted the referenced website [www.ready.gov](http://www.ready.gov)*

2. **Block 31/Lot 37** - NJDEP – LOI application (#10 from 5/20/09 agenda).

3. **Suspected Hazardous Discharge Notification** letter dated 5/19/09 regarding oil heating #2.

4. **Suspected Hazardous Discharge Notification** letter dated 5/13/09 regarding oil heating #2.

5. **Suspected Hazardous Discharge Notification** letter dated 5/7/09 regarding oil heating #2.

6. **Block 50/Lot 3** – letter dated 5/18/09 regarding unregulated heating oil program

7. **Block 80/Lot 1** – HCDH – abandoning wells.

8. **Block 64/Lot 28** – NJDEP - no further action letter.

9. **PSE & G** – General Permit Auth. – cutting/clearing trees.

10. **Block 21.13./Lot 7** – Hatch Mott MacDonald – LOI verification application.

11. **Block 61/Lot 6** - Hatch Mott MacDonald – LOI verification application.

12. **Hatch Mott MacDonald** – Freshwater Wetland Gen. Permit No. 1.

*Chair Nugent noted this correspondence. Ms. Muir stated that there have been meetings regarding this, however there is a safety issue that must be considered, some progress has been made, there is an ongoing correspondence.*

13. **Hatch Mott MacDonald** – NJDEP Flood Hazard and Wetland Permit Appl.

14. **Block 31/Lot 37** - Hatch Mott MacDonald – LOI verification approval.

15. **Block 36/Lot 7** - Hatch Mott MacDonald – modification of Gen. Permits 10 & 11. approval.

16. **Block 2.01/Lot 9** – NJDEP – LOI verification reissuance.

17. **Block 98/Lot 2.24** – NJDEP - no further action letter.

18. **HCDH LINCS** - dated 5/16/09 Update – ILI week 19.

*Chair Nugent read into the record “as of 5/19/09, NJ has identified 18 confirmed and 4 probable cases of novel Influenza A H1N1 virus.”*

19. **HCDH LINCS** - dated 5/17 – 23/09 Update – ILI week 20.

*Chair Nugent stated as of May 27<sup>th</sup>, NJ identified 58 cases and 4 probable cases.*

20. **HCDH LINCS** - dated 6/3/09 Alert – Confirmed case of H1N1 in Hunterdon County.

*Ms. Butula stated that the H1N1 information was not released by the county or the paper, it was revealed by the person that was ill.*

*Ms. Muir stated that the CDC stated that for every case confirmed, there are probably 100 that haven't been recognized in the vicinity of the confirmed case.*

*Chair Nugent read “the best way to reduce your risk of getting or spreading the flu is to cover*

*your nose and mouth with a tissue when you cough or sneeze and be sure to discard the tissue in the trash after you use it. Also very important, be sure to wash your hands often with soap and water or alcohol based cleaners especially after you cough or sneeze. Avoid touching your eyes, nose or mouth. Stay home for a full 7 days if you get sick.”*

21. National Environmental Health Assoc. – 2009 Annual Conference [www.NEHA.ORG](http://www.NEHA.ORG)

22. Block 14/Lot 29 – Barn demolition.

23. Highlands Health Van – 7/1/09 – Flemington Women’s Club.

*Ms. Butula stated 7/1/09 is the unveiling, the 2 weeks following that will be an in-service, they will be setting up home ports in Lambertville, Flemington and Clinton, and expect to expand.*

24. 2009 New Jersey Pandemic Influenza Preparedness Summit. [www.njlmn.org](http://www.njlmn.org)

*Ms. Sheay stated this summit is a series to discuss the potential mass vaccination of NJ residents.*

*Ms. Butula stated that Secretary Sebelius has indicated that school children should have first priority.*

*Ms. Sheay stated it may be helpful to find out what is being done in the County, and then determine what the board members can do for this township.*

25. Dept. of Health and Senior Services- H1N1 NJ resident.

*Ms. Sheay stated that a second NJ death was attributed to the H1N1 virus.*

#### **C. Septic Repairs (HCHD status in italics).**

1. Septic System Repair Approval from HCHD, B 72/L 22. *Final Field 5/18/09*

2. Septic System Repair Approval from HCHD, B 70/L 17.26. *Final Field 6/2/09*

3. Septic System Repair Approval from HCHD, B 65/L 23.01. *Final Field 6/8/09*

4. Septic System Repair Approval from HCHD, B 65/L 13.10. *Final Field 6/8/09*

5. Septic System Repair Approval from HCHD, B 68.01/L 10.28. *Final Field 6/4/09*

6. Septic System Repair Approval from HCHD, B 93/L 17. *Final Field 6/8/09*

7. Septic System Repair Approval from HCHD, B 66/L 59. *No work done as of 6/15/09*

*From the 5/20/09 agenda:*

8. Septic System Repair Approval from HCHD, B 50/L 41. *No work done as of 6/15/09*

9. Septic System Repair Approval from HCHD, B 39/L 49.05. *No work done as of 6/15/09*

#### **D. OLD BUSINESS**

1. Board of Chosen Freeholders – request for response.

*Chair Nugent asked Ms. Petzinger to draft a letter.*

#### **E. NEW BUSINESS**

*There was no new business.*

*Chair Nugent stated that the order of the applications would be rearranged as follows:*

1) A. 1. Block 47/Lot 1

2) A. 2. Block 39/Lot 49.10

3) A. 3. Block 36/Lot 39.01

4) B. 1. Block 97/Lot 4

5) A. 4. Block 75/Lot 33

#### **F. APPROVALS**

##### **Category A. – Single Lots**

1. Block 47/Lot 1 – Bayer-Risse Engr., Campbell/Orlando, Pulaski Road

Escrow fees paid 5/21/09, Ck# 4873, \$750.00

Mr. Bill Jupinka, NJ licensed engineer, Bayer-Risse Engineering, represented the Campbell/Orlando application before the board. This application is for an existing 4 bedroom dwelling, no expansion.

The system is over 60 years old, and a complete new septic system, gravity soil replacement system is proposed. Basin floods were done, no mottling, there are no wetlands on or near the property whatsoever.

The tank is a 2 compartment, with an outgoing effluent filter, the recommended maintenance is every 2 years. This will be part of a real estate transaction.

Chair Nugent recommend to the applicant to have the well tested.

Chair Nugent asked if there were any plans for an upgrade of Shade Lane.

Ms. Muir stated that there were no such plans.

Ms. Butula confirmed that Ms. Orlando has POA for Ms. Campbell.

Mr. Jupinka stated yes.

A **MOTION** was made by Ms. Butula for **approval** for Block 47/Lot 1, Rachel Campbell is the owner of 32 Pulaski Road, Readington Twp., Hunterdon County, NJ. This is for the alteration with no expansion for a 4 bedroom home, from a map named Septic System Alteration Design Disposal System, pgs. 1- 9., prepared by Stephen Risse, NJ licensed engineer. The surveyor is Charles Saladin Jr., licensed land surveyor. The survey was done 4/24/09, the map was dated 5/4/09, no revisions. HCDH report is dated 5/29/09. This is a soil replacement bottom lined installation gravity distribution. Primary soil logs done 4/21/09, soil log 421-1, @ 132", no mottling, no seepage, soil log 421- 2, @ 132", no mottling, no seepage. Permeability was Basin flood 421-1 on 4/21/09 @ 108" passing. This is going to be using 1,000 gal. 2 compartment tank with effluent filter.

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

Ms. Butula Aye Ms. Rohrbach Aye Chair Nugent Aye

Ms. Muir Aye Ms. Sheay Aye

## **2. Block 39/Lot 49.10 – Bayer-Risse Engr., McKenna, Birch Lane**

Escrow fees paid 5/21/09, Ck# 794, \$750.00

Mr. Bill Jupinka, NJ licensed engineer, Bayer-Risse Engineering, represented the McKenna application before the board. This application is for an alteration for an existing 4 bedroom dwelling, no expansion. The existing system is about 30 years old, failing due to the water table being saturated. Soil testing was done in the front corner of the property, which is the highest part of the property. Basin floods were done at 6', positive drainage over 2 fillings. Mottling was encountered at 25", so a mounded system is proposed. The existing tank will be replaced with a 1,000 gallon 2 compartment tank with effluent filter, and will also need a 1300 gallon pump tank for dosing. The proposed location does not encroach upon any wetlands or wetlands transition areas, and is greater than 120' from the storm sewer in Smiths Branch Road.

Chair Nugent asked what the reason was for the new tank, and there were two different names for the applicant and the map survey.

Mr. Jupinka stated because of age, and with the pump system the two compartment tank is preferable.

This is involved in a real estate transaction, that is why there are two different names.

Chair Nugent asked if the connecting line between the proposed two compartment tank and the proposed 1300 gallon pump tank was presented correctly, and if it would cause any problems.

Mr. Jupinka stated it was preference, and seeing the topo how it runs, they did not want a straight line out.

The approximate height of the mound is 4.5'.

Chair Nugent asked if the applicant is aware of and understands the deed restriction requirements of the pump system.

Mr. Jupinka stated yes the current owners and new owners are both aware, and they are in agreement.

A **MOTION** was made by Ms. Butula for **approval** for Block 39/Lot 49.10, property owned by Andy McKenna, 2 Birch Lane, Readington Township, Hunterdon County, NJ. This is a 4 bedroom house, from a map named Septic System Alteration Design, pgs. 1 -10 dated 5/12/09, no revisions, prepared by Stephen Risse, NJ licensed engineer. The surveyors are Richard B. Linn, , licensed land surveyor, material dated 5/1/09, and the topo is signed by Charles Saladin Jr., 5/12/09. There is a letter from HCDH dated 5/28/09. This is an alteration with no expansion, it will be a mounded pressure distribution system, soil replacement. The primary, soil logs done 5/5/09, soil log 505-1, @ 121", mottling 25 – 40", moderate seepage @ 90" and below, soil log 505-2, @ 120", mottling 26 – 45", seepage @ 92" and below. Permeability test is basin flood 505-1, @ 72" done 5/5 to 5/6/09, passing. Regional water is 25" in soil log 505-1, mottling. Note 1 on the material – this does not encroach on any wetlands or wetlands transition areas. Note 2 – there are no wells within 100' of

the septic system, or within 50' of the neighboring system. This includes a 1000 gal. 2 compartment tank with an effluent filter. The use of a pump is granted with the accompanying deed restrictions, filing and maintenance.

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

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

**3. Block 36/Lot 39.01 – Bayer-Risse Engr., Fletcher, Coddington Road**

Escrow fees paid 5/27/09, Ck# 1242, \$750.00

Mr. Bill Jupinka, NJ licensed engineer, Bayer-Risse Engineering, represented the Fletcher application before the board. This application is for an alteration for an existing 3 bedroom dwelling, no expansion. The existing system is approximately 50 years old, a series of laterals fairly deep that are saturated due to ground water, there is effluent breakout toward the lower end. This is a small property, the well is in the front, soils testing was done in the rear of the property, mottling and seepage were encountered at 42" below the ground surface, pitbail at about 100" below the ground surface. It is a mounded soil replacement system, complete replacement including a 1000 gallon 2 compartment and a 1000 gallon pump tank. The proposed design does not encroach upon any wetlands or wetland transition areas, and they are outside of the 100' well setback.

Ms. Butula asked if the proximity of the above ground pool was ok.

Mr. Jupinka stated the setback to a pool is for in-ground pools.

Chair Nugent confirmed that this was a 3 bedroom home, and would remain so.

Mr. Jupinka stated yes, it is, and will remain.

Chair Nugent stated the pit bail test K rating seemed a little slow.

Mr. Jupinka stated that its slower, the final water level sets the pit bail rate, that was higher, but accounting for mottling at 42", it doesn't really affect the height. It appears slower, but visually it is running through. The size of the bed was not increased.

Ms. Muir asked what the distance was to adjacent property wells.

Mr. Jupinka stated that Lot 39 is L shaped and the well is to the south, the well circle is 132'. Lot 40's well is 200' or better away.

Chair Nugent confirmed that the homeowners are aware of the pump system and deed restriction and are in concurrence with it.

Mr. Jupinka stated yes.

A **MOTION** was made by Ms. Butula for **approval** for Block 36/Lot 39.01, Brad and Thora Fletcher, 28 Coddington Road, Readington Twp., Hunterdon County, NJ, this is a 3 bedroom home, map dated 5/20/09, entitled Septic System Alteration Design, pgs. 1 -10, no revisions, prepared by Stephen Risse, NJ licensed engineer, surveyor Thomas L. Yager, material dated 5/20/09. HCDH report dated 6/1/09, this is an alteration with no expansion, mounded soil replacement pressure distribution system. Note 1 states there are no wetland or wetland transition areas that will be encroached. Note 2 states there are no neighboring wells within 100' and no neighboring septic systems within 50'. For the primary, soil logs were done on 5/7/09, soil log 507-1, @ 104", mottling 42 – 56", slight seepage at 42" and below; soil log 507-2, @ 115", mottling 48 – 67", slight seepage @ 60" and below; permeability test is pit bail 507-1, on 5/7/09 to 100", results K=0.6"/hour, regional ground water is determined by 507-1 with 42" mottling. This will be a 1,000 gal. 2 compartment tank with effluent filter. There is a pump involved with this system, with deed filing and maintenance requirements.

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

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

Chair Nugent stated that as mentioned before the agenda order would be rearranged to hear Block 97/Lot 4 next, followed by Block 75/Lot 33.

## Category B. – Subdivisions

### 1. **Block 97/Lot 4 – ACT Engr., Stires Assoc.; Ciarletta,**

Escrow fees paid 12/19/06, Ck#110950, \$1250.00;  
10/20/08, Ck# 16248, \$750.00; 5/12/09, Ck# 16385, \$750.00.  
Data sent with 5/20/09 approval pkt.

Mr. Doug Fine, licensed engineer in the state of NJ, representing ACT Engineers who were subcontracted through Stires Associates for the subdivision of Block 97/Lot 4 appeared before the board. The soil logs and permeability testing was performed by Melick Tully Associates in 2006. They are seeking approval of the soil logs for the perfection of the subdivision as well as move forward with the septic system design for 2 proposed lots, lot #'s 4.04 and 4.05.

There was some discussion of the proposed lot numbers.

Mr. Fine stated that he was hired to design a system for Lot 4.04, which did not yet exist because the subdivision had not yet been perfected. The lot numbers were changed back to Lot 4 on the proposed septic design because 4.04 and 4.05 did not yet exist. There was some discussion at that time with Ferriero Engineering. It was determined that because 4.04 did not exist, all the soil logs for the two proposed lots should be brought before the board and approved so that they could be used for future septic designs.

Chair Nugent confirmed that at the moment, Block 97/Lot 4 is existing on the tax map, there is a subdivision before the Planning Board that has preliminary approval, that is awaiting the conditions one of which is this Board of Health's approval, and that subdivision is for 2 lots only, 4.04 and 4.05.

Mr. Perlowski asked if the subdivision map had been filed with the board.

There was some discussion about which subdivision plat had been submitted to the Board of Health.

Chair stated in answer to Mr. Perlowski's question, yes, we have a copy of the subdivision map, however, it is not the most current one that Ferriero Engineering received from Stires Associates.

Mr. Fine stated that the change to the most recent revision was the annotation of the permeability to accompanying soil logs.

Chair Nugent stated there is material for proposed Lot 4.04, however, the material for 4.05 doesn't seem to be included.

Mr. Fine stated that material should have been submitted 2 years ago, as reflected in Ferriero Engineering 1/26/07 review letter.

There was some discussion of the dates and materials submitted.

Chair Nugent referred to Ferriero Engr. letter dated 5/4/09, regarding proposed Lot 4.04, soil log 12, fractured rock substratum @ 9", mottling @ 48" – 101". That mottling is being determined within fractured rock, which may or may not show mottling.

Mr. Fine stated actually it would be the soil between.

Chair Nugent stated if you have fractured rock where water may or may not sit constantly, it may or may not represent it in soils that are within the fissures, correct? Regardless of whether there is soil in between the cracks of the fractured rock ?

Mr. Fine stated if water is there, it will be mottled. The more soil you have the more likely to show the mottling.

Chair Nugent stated the observation is that it is determined there is mottling at 48" within a fractured rock substratum, what assurance do they have that the mottling would have occurred had there been sufficient amount of soils in the fractured rock between the 48" and the 9" where the fractured rock started?

Mr. Fine stated at 48", you are actually looking at the description of fractured shale that only has 5% loam soil, you are looking at 95% fractured shale and they are pointing out mottling. The horizon above that from 9" to 48" is called a fractured shale with 30% soil, so you are only looking at 70% shale, you have a media of soil in the 9 – 48" which would present itself easier to find mottles. It would be less likely to find mottling in something with 5% soil than 30% soil. The mottling is correct.

Chair Nugent suggested that it would be helpful to have the rainfall data for the spring of 2006.

Chair Nugent stated that in an early Ferriero letter there was a reference to the depth of the basin flood,

on soil log 19, proposed Lot 4.04, the basin flood was 48", was that the correct depth, which would typically be 6 – 8' below the level of infiltration?

Mr. Fine stated on design the level of infiltration would have to be 6' above that level. The level of the basin flood was done at 48" which corresponds to elevation 184.00. Because you need to be 6' above that you'll see the level of infiltration at 6', it had to be shifted 1". That applies also to soil log 7, the reserve disposal area, which has already been taken care of.

Chair Nugent confirmed that the application for the initial house referred to in Ferriero's 5/4/09 letter to construct a 4 bedroom dwelling, well and septic along adjacent lot 2.03 in 2006 was not pursued. Mr. Fine stated that the initial application was for that lot, then the secondary choice was to build on proposed 4.05, but the timing of the subdivision pushed the applicant to come forward because of subdivision purposes.

Ms. Butula confirmed that this application has never been heard by the Board of Health.

Mr. Fine stated he did not believe it had.

Ms. Sheay confirmed that the disposal bed design for Lot 4.05 has not changed.

Mr. Fine stated that design was not pursued, it was submitted as part of 2006/2007 submission, and now is in limbo.

Chair Nugent confirmed that Mr. Fine had no participation in the soil logs or anything with proposed 4.05, the engineer that did and is familiar is from Melick-Tully, and are they present?

Mr. Fine stated he had no participation in the soil logs, or proposed 4.05, he believed Melick-Tully did, and they were not present.

Chair Nugent stated that there are paperwork issues that need resolution, regarding the correct maps, etc., specifically for 4.04, the climate data, and some of the larger maps need clarification.

For Lot 4.05, is the maps, the climate data, and the opportunity for this board to ask questions of the engineer that is familiar with that property.

Ms. Butula stated that the material submitted for this application would be reviewed upon receipt, and every effort would be made to respond with concerns, in the event that there were questions that the original engineer would be required to answer.

Chair Nugent confirmed that Mr. Fine knew what was needed.

Mr. Fine stated he would be providing the revision date of the subdivision plat of 4/24/09, climate rainfall data for 2006 and surrounding years for comparison.

Chair Nugent asked Mr. Kosinski to check if Ferriero Engr. had any previous hearing reference or discussion on file and asked Ms. Petzinger to do the same for the Board of Health office.

#### **4. Block 75/Lot 33 – Yannaccone Engr., Saqa, Pleasant Run Road**

Escrow fees paid 5/28/09, Ck# 1981, \$750.00

Mr. Greg Yannaccone, NJ licensed engineer represented the applicant Mr. Hanna Saqa before the board. There was some discussion of the material submitted for review.

Mr. Yannaccone paraphrased Ferriero Engineering's 6/4/09 letter "the property is located in the AR zone there is a single-family residential dwelling and associated outbuildings. It is on Pleasant Run Road (County Route 629) and consists of approximately 118 acres. Pleasant Run flows through the northern portion of the property. A transcontinental gas line also transects the property parallel to Pleasant Run Road. The existing dwelling is approximately 1000 SF in footprint and is served by a private well and septic system. Access to the dwelling is via a gravel driveway that is approximately 550 feet in length. The property is proposed to be deed restricted for farmland preservation. Development is permitted in the non-severable exception area on the property in accordance with the Resolution of Approval from the Board of Adjustment.

Revisions have been submitted in accordance with this letter.

The general comments include:

1. The applicant is proposing to construct a two family dwelling in the non-severable exception on the property. Each dwelling unit will consist of 5 bedrooms and each will be served by a separate wells and septic systems.

2. The Board of Adjustment resolution provided a flexible approval consisting of two development alternatives. The applicant could either:
  - i. Construct a new two-family residence toward the rear of the premises in question and abandon the single family utilization of the existing structure with the two family structure limited to 7,500 SF, or;
  - ii. Construct a new single family residence toward the rear of the non-severable exception area, not to exceed 5,000 SF, and add an addition of 1,500 SF to the single family residence presently existing on the property in question with D.E.P. approval.

Mr. Yannaccone stated the applicant has opted for the first choice, to construct a new two-family residence. They are proposing two septic systems and two reserve areas. General Comments #3. results of the soil logs are summarized on the plan, sheet 2 of 4, focuses on where the tests are, all the soil test results and ground water readings are on the plan. Comment #4. has been addressed by providing the survey and topo to Ferriero Engineering.

Mr. Kosinski turned the signed and sealed survey over to Ms. Petzinger for the Board of Health office file. Another signed and sealed survey would be provided to Ferriero Engineering by Mr. Yannaccone for their files.

Mr. Yannaccone stated the final comment was regarding an LOI. It is his opinion that they are outside of any wetlands and/or wetlands transition areas.

Mr. Perlowski confirmed that that was indicated by a note on the drawings.

Mr. Yannaccone stated yes, it is on sheet 2, General Notes #12. and 13. in the lower left hand corner.

Chair Nugent asked Mr. Yannaccone to explain why there is an indication of proposed dwellings 1 and 2 if the application is for a 2 family house.

Ms. Butula asked if this is in keeping with the intent of the language from the Board of Adjustment?

Mr. Yannaccone stated that he couldn't answer what the board members intent was.

There was some discussion of the two dwellings adjoined by a breezeway being referred to a single two-family home.

Mr. Yannaccone stated that reason he looked at the proposed design of two separate wells and septic systems was because if there were only one system, the amount of lateral they'd have, they would have to use a pump. He preferred a gravity system, so they pursued the two systems.

Chair Nugent stated that he was concerned as to whether or not this board could approve a dual septic system for a dual family home.

Ms. Vaccarella stated as long as it is less than 2,000 gallons/day per property, it can be approved.

There was some discussion of the restrictions on non-severable exception areas.

Mr. Perlowski stated the question would be 'what specific provisions of the state code or board ordinance are being violated by using two systems?' There is a prohibition in the state code that says a system for more than one property is prohibited unless a Treatment Works Approval or NJDPES permit has been issued by the department.

Ms. Butula asked if there were any time constraints on decommissioning the existing system.

Mr. Yannaccone stated at the time of CO.

Ms. Vaccarella stated the existing well should be either abandoned, or recommissioned as an irrigation well.

Chair Nugent stated they would move on to the soil logs.

Mr. Yannaccone stated as referred to in Ferriero's 6/4/09 letter:

**Soil Log SL 10**

1. Soil log SL 10 was recorded on 1/6/09.
2. A fractured rock substratum was recorded at 14".
3. The soil log was excavated to 116".
4. No Mottling was recorded in the log.
5. No seepage was recorded in the log.
6. Machine refusal was encountered at 116".
7. Passing Basin Flood test 10A was recorded at 56".

**Soil Log SL 12**

1. Soil log SL 12 was recorded on 1/6/09.
2. A fractured rock substratum was recorded at 18".
3. The soil log was excavated to 86".
4. No Mottling was recorded in the log.
5. No seepage was recorded in the log.
6. Machine refusal was encountered at 86".
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. The highest groundwater recorded during the monitoring period was 71" from existing grade.

**Soil Log SL 13**

1. Soil log SL 13 was recorded on 1/6/09.
2. A fractured rock substratum was recorded at 14".
3. The soil log was excavated to 80".
4. No Mottling was recorded in the log.
5. Seepage was recorded at 70".
6. Machine refusal was encountered at 80".
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. The highest groundwater recorded during the monitoring period was 69" from existing grade.

**Reserve Disposal Area-Proposed Dwelling #1:**

**Soil Log SL 3**

1. Soil log SL 3 was recorded on 1/5/09.
2. A fractured rock substratum was recorded at 20".
3. The soil log was excavated to 98".
4. No Mottling was recorded in the log.
5. No seepage was recorded in the log.
6. Machine refusal was encountered at 98".
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. No groundwater was recorded during the monitoring period.
8. Passing Basin Flood test 3A was recorded at 52".

**Soil Log SL 5**

1. Soil log SL 5 was recorded on 1/5/09.
2. A fractured rock substratum was recorded at 26" (18" per witness sheet).
3. The soil log was excavated to 88" (92" per witness sheet).
4. No Mottling was recorded in the log.
5. No seepage was recorded in the log.
6. Machine refusal was encountered at 88" (92" per witness sheet).
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. The highest groundwater recorded during the monitoring period was 73" from existing grade.

**Primary Disposal Area- Proposed Dwelling #2:**

**Soil Log SL 1**

1. Soil log SL 1 was recorded on 1/5/09.
2. A fractured rock substratum was recorded at 18".
3. The soil log was excavated to 90".
4. No Mottling was recorded in the log.
5. No seepage was recorded in the log.
6. Machine refusal was encountered at 90".
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. No groundwater was recorded during the monitoring period.
8. Passing Basin Flood test 1A was recorded at 58".

**Soil Log SL 15**

1. Soil log SL 15 was recorded on 1/7/09.
2. A fractured rock substratum was recorded at 14" (18" per witness sheet).
3. The soil log was excavated to 95" (98" per witness sheet).
4. No Mottling was recorded in the log.
5. Seepage was recorded at 95" in the log (98" per witness sheet).
6. Machine refusal was encountered at 95" (98" per witness sheet).
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. No groundwater was recorded during the monitoring period.
8. Passing Basin Flood test 15A was recorded at 52".

**Reserve Disposal Area-Proposed Dwelling #2:**

**Soil Log SL 4**

1. Soil log SL 4 was recorded on 1/5/09.
2. A fractured rock substratum was recorded at 26".
3. The soil log was excavated to 88".
4. Mottling was recorded in the log from 58"-88".
5. No seepage was recorded in the log.
6. Machine refusal was encountered at 88".
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. No groundwater was recorded during the monitoring period.
8. Passing Basin Flood test 4A was recorded at 54".

**Soil Log SL 14**

1. Soil log SL 14 was recorded on 1/7/09.
2. A fractured rock substratum was recorded at 14".
3. The soil log was excavated to 95".
4. No Mottling was recorded in the log.
5. No seepage was recorded in the log.
6. Machine refusal was encountered at 95".
7. Groundwater monitoring was recorded in a standpipe from 1/9/09 through 2/27/09 in this soil log. No groundwater was recorded during the monitoring period.

Mr. Yannaccone stated he would be happy to answer any questions that the board may have.

Mr. Perlowski stated that Mr. Yannaccone's testimony indicated a notation on the drawing stating 'no known wetlands'. This should be clarified to indicate 'no wetlands'.

Mr. Yannaccone stated he would be comfortable saying 'no wetlands'.

Mr. Perlowski stated that it would be acceptable to make that correction on the drawing, date and endorse it.

Ms. Butula stated if the board chooses to go ahead with a motion, that fact that 3 qualifying courses completed by Mr. Yannaccone at Rutgers University would be included in the motion.

Chair Nugent asked if anyone were entertaining a motion.

A **MOTION** was made by Ms. Butula for Block 75/Lot 33 for **approval**, this is built on a non-severable exception area on a piece of property that will be farmland preserved. This is for two connected 5 bedroom buildings, from a map called Saqa Property, Block 75/Lot 33, Readington Twp., Hunterdon County, NJ, dated on sheets 1 – 4, sheets 1,3,4 5/11/09, revision 6/9/09, sheet 2 is dated 3/11/09, revision 6/9/09, prepared by Gregory E. Yannaccone, licensed professional engineer in the state of NJ. Two surveys are involved, 1) Ryan G. Warford, professional licensed land surveyor, dated 9/8/08 and 11/25/09, 2) topographic map by Chris J. Aldridge, professional licensed land surveyor, dated 6/9/09.

There are no known wells with 100' of these proposed disposal fields, no adjoining septic systems within 50' of these proposed disposal fields. There are no wetlands within 150' of the septic disposal areas, there are no riparian stream buffers within the areas of proposed soil disposal disturbance. Both systems will be mounded gravity systems.

For proposed dwelling #1:

For the primary, on 1/6/09, soil log 10, depth 116", no mottling, no seepage; soil log 12, depth 86", no mottling, no seepage; soil log 13, depth 80", no mottling, seepage @ 70". Permeability is basin flood 10A, depth 56", done 1/5 - 1/6/09, passing results. In season ground water monitoring 1/9/09 – 2/27/09, regional ground water is determined by monitoring in soil log 13 on 1/9/09 @ 69". For the reserve area, on 1/5/09, soil log 3, depth 98", no mottling, no seepage; soil log 5, depth 92", no mottling, no seepage., Permeability is basin flood 3A, depth 52", done 1/5 - 1/7/09, passing results. In season ground water monitoring 1/9/09 – 2/27/09, no ground water in soil log 3, soil log 5 was 73" on 1/9/09. The regional ground water determined in the reserve is 73" in soil log 5 on 1/9/09.

For proposed dwelling #2:

For the primary, on 1/5/09, soil log 1, depth 90", no mottling, no seepage; soil log 15, done on 1/7/09 depth 98", no mottling, seepage @98". Permeability is basin flood 1A, depth 58", done 1/5 - 1/6/09, passing results; basin flood 15A, depth 52", done 1/6 - 1/7/09, passing results. In season ground water monitoring 1/9/09 – 2/27/09, soil log 1 and soil log 15 had no ground water, regional ground water determined by the standpipe put in to a depth of 92". For the reserve area, on 1/5/09, soil log 4, depth 88", mottling 58 – 88", no seepage; soil log 14, 1/7/09, depth 95", no mottling, no seepage. Permeability is basin flood 4A, depth 54", done 1/6 - 1/7/09, passing results. In season ground water monitoring in soil log 4 from 1/9/09 – 2/27/09, no ground water in soil log 14, 1/9/09 – 2/27/09. The regional ground water determined in the reserve by the mottling in soil log 4 @ 58".

The following statement is inclusive for both proposed systems.

There was no LOI submitted for this application. Mr. Yannaccone stated the property was examined and none of the examples indicating such were present, there was no vegetation identifying the land as wetlands, and was characterized as 'high and dry'. Mr. Yannaccone has completed 3 courses involving wetlands identification. The drawings will be revised to indicate there are 'no wetlands present with 150' of the proposed disposal areas. The existing cinder block house must be decommissioned, the existing septic must be decommissioned and the existing well must be abandoned, or recommissioned as an irrigation well.

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

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

Mr. Yannaccone thanked the board.

Mr. Perlowski advised the board that regarding subdivision approvals in the future you want a definite tie from the motion to exactly what you are approving in terms of the subdivision because if at a later date the subdivision parameters are changed then that application has to come back to you, if you don't have a definite as to what you have approved, then you don't have a basis for going back. There is no requirement in the law that the location of the proposed house and system have to be on the subdivision, you can have the test results approved by themselves. If there are cases where the board has difficulty making a decision in the case they can call for the insertion of the designs into the plot plan. The plot plans should be harmonious with the subdivision plans, they should fit together as far as the metes and bounds go. There should be consistency in what you are approving and what comes through in the supporting paperwork.

**G. ADJOURNMENT**

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

Respectfully submitted:

Lorraine Petzinger  
Board of Health Secretary