

READINGTON TOWNSHIP BOARD OF HEALTH MEETING

July 16, 2008 7:00 pm

Chair William C. Nugent called the meeting to order at 7:07 pm and announced that all laws governing the Open Public Meetings Act have been met and that this meeting has been duly advertised.

Christina Albrecht	absent	Raymond Facinelli	present (8:40- 9:55)	Tanya Rohrbach	absent
Daniel Allen	present	Beatrice Muir	present	Wendy Sheay	absent
Jane Butula	present	William C. Nugent	present		

Also Present: Board of Health Engineer, Ferriero Engr. representative: John Hansen
Board of Health Attorney, Marisa A. Taormina, Esq.
Hunterdon County Health Dept.: Debra Vaccarella

A. APPROVAL OF THE MINUTES

1. Minutes of June 18, 2008.

A **MOTION** was made by Ms. Butula, seconded by Ms. Muir to approve the minutes of 6/18/08.

On roll call vote, the following was recorded:

Dr. Allen Aye Ms. Butula Aye Ms. Muir Aye Chair Nugent Aye

B. CORRESPONDENCE

1. Suspected Hazardous Discharge Notification letter dated 6/6/08 regarding motor oil at County Line Rd/Rte 22.

Ms. Butula asked Ms. Vaccarella what type of follow up was going on with this ongoing problem of several months. Ms. Vaccarella stated she would follow up on it.

2. Suspected Hazardous Discharge Notification letter dated 6/7/08 regarding heating oil at 45 Ridge Road.

3. Suspected Hazardous Discharge Notification letter dated 6/18/08 regarding heating oil at 64 Lazy Brook Road.

4. HCHD LINCS - dated 6/20/08. CDC Health Advisory-Potential Exposure to lead in artificial turf.

Ms. Butula asked that Ms. Kenney and a contact from the schools be copied on memo, and questioned as to whether or not there is any artificial turf in Readington Twp.

5. HCHD LINCS - dated 6/20/08. Public Health Advisory-Rabies Vaccine Request.

Ms. Butula stated this is a shot administered by a doctor to people once they have been attacked by a rabid animal. Chair Nugent stated that it may be helpful if this were communicated to the participants at the rabies clinics.

6. HCHD LINCS - dated 6/22/08. Public Health Advisory –Investigation of Outbreak of infections caused by salmonella saintpaul.

Chair Nugent stated this continues to be a problem, for the record, “the specific type and source of tomatoes is under investigation, however the data suggest the data suggests that illnesses are linked to consumption of raw red plum red roma, or round red tomatoes, or any combination of these types of tomatoes and to products containing these raw tomatoes”.

7. HCHD LINCS - dated 6/25/08. Public Health Advisory-Rabid dog imported.

Chair Nugent noted that this dog had been quarantined for some time and it still happened.

8. HCHD LINCS - dated 7/2/08. Public Health Advisory-Hand, foot and mouth disease reported in Hunterdon County day care centers.

Ms. Butula stated this is quite common, it happens every year.

9. HCHD LINCS - dated 7/3/08. Public Health Information-Ingestion of lamp oil mistaken for apple juice. Ms. Butula suggested that this be posted on the bulletin board.

10. Block 30/Lot 3 – NJDEP - FWWTAW & RED authorization.

11. Block 30/Lot 3 – NJDEP - LOI application.

12. Block 36/Lot 47 & 48 – memo dated 6/19/08 from H. Clay McEldowney regarding LOI.

Ms. Butula stated this is an important and sensitive area in the town.

13. Block 70/Lot 31.01 – NJDEP - Freshwater Wetlands Application.

Ms. Butula stated this should be included with the application file, it is a pre-cancellation letter.

14. Block 21.13/Lots 9 – 14 – Readington Twp. engineer letter dated 7/2/08 regarding LOI.

Chair Nugent stated the wording of this letter is somewhat unclear.

C. Septic Repairs (HCHD status in italics).

carried from 6/18/08 BOH meeting:

1. Septic System Repair Approval from HCHD, B 70/L 27.12. *Final field 5/20/08.*
2. Septic System Repair Approval from HCHD, B 36/L 7.01. *Final field 5/29/08.*
3. Septic System Repair Approval from HCHD, B 1.01/L 14.29. *Final field 5/23/08.*
4. Septic System Repair Approval from HCHD, B 66/L 19.07. *Final field 6/10/08.*
5. Septic System Repair Approval from HCHD, B 36/L 96. *Final field 6/4/08.*
6. Septic System Repair Approval from HCHD, B 70.01/L 17.13. *Final field 6/10/08.*
7. Septic System Repair Approval from HCHD, B 60/L 4.01. *Final field 6/16/08.*

submitted for 7/16/08 BOH meeting:

8. Septic System Repair Approval from HCHD, B 51/L 2.14. *No work as of 7/7/08.*

D. OLD BUSINESS

E. NEW BUSINESS

1. Arsenic levels in playground.

Chair Nugent stated there was an article in the Star Ledger on 7/12/08 regarding arsenic levels in the soils found at the Merck Day-Care Center. Ms. Vaccarella stated it is naturally occurring in the geology, depending on where the fill came from. Day care facilities are now required to have 'no further action' letters if they are served by on-site wells, which that one is not, they need to have more extensive testing being done. That came into effect last year, it is every 3 years. They have to prove that they were not constructed on a hazardous waste site.

Ms. Butula asked who they would have had to report this to.

Ms. Vaccarella stated the DEP signs off on all DYFUS relicensures, so all day care centers are required to get no-further-action letters, that system has changed in the last year, it used to be any day-care-center that had a release from the property and the DEP and the Dept. of Health changed that so that regardless, this is essentially a brand new facility, needs a no-further-action letter. The DEP is actually the ones that would give them a certificate, and until that time, they are not a relicensed day care center.

There was some discussion of who would be informed of this.

Chair Nugent stated that the extent of the boards' involvement would be knowing who this would go to.

2. Partnership update.

Ms. Butula stated there is a meeting of Issue 4 part of the Partnership on 7/17/08.

Funding is an issue, they are looking for a creative means to this.

F. APPROVALS

1. Block 25/Lot 12.01 – Beardslee Engineering; Henriksen, Mountain Rd.

Escrow fees paid 8/3/06. Check #1118 \$500.00.

Initial data mailed with 9/20/06 approval packet.

Agenda history: 9/20/06 - was not in attendance.

10/18/08 – withdrawn from agenda by engineer.

8/15/07 – on agenda, but carried.

9/19/07 – carried to 10/17/07 by applicant's request.

10/17/07 – was not listed on agenda, per engineer's request.

Mr. Bill Beardslee, Beardslee Engineering, Sparta, NJ, NJ licensed engineer appeared before the board. This application started approximately 2 years ago, is an older 3 bedroom home with a sluggish septic system. Testing was done, and about the time that the application was ready to come before the board, obligations required the applicant to delay those proceedings. The proposed system creates a new disposal bed, septic and pump tanks. The house is a small older home, the property rises from the road, up gradient, requiring a pump. In the upper left hand corner of the drawing is a profile of the pipe coming out of the house to the tanks, then is pumped up to the elevation which was set based on the soil tests taken. There is little change to the existing grade, requiring a portion of the driveway to be relocated. The Henriksen's

are aware of the requirements for the pump system. Mr. Beardslee stated that he favors pump systems because of the distribution of the effluent, and better use of the whole disposal bed.

Ms. Butula asked where the basin floods were done, and if there was a wetlands statement.

Mr. Beardslee stated they are not on this map, in both instances they were done between the two test holes. There are no wetlands on the property, or within 150' of the proposed system. This can be added to the map.

Ms. Butula referred to HCHD letter dated 7/11/06, and confirmed that that letter still stands as the final review by the county.

Ms. Vaccarella stated yes, that was from the final review that was drawn up on 7/7/06.

Ms. Butula confirmed that soil logs 3 and 4 are being presented for approval.

Mr. Beardslee stated that is correct.

Ms. Butula noted that for corrections so far, there is the designation of absence of wetlands, indicating the basin flood, and removing the reserve designation, although the test holes may be left.

Chair Nugent asked the boardmembers if there were any other concerns. As there were not, Chair Nugent indicated to Mr. Beardslee that if the revisions were made, and submitted, there was a good chance this applicant could be heard at the next meeting.

Mr. Beardslee thanked the board.

2. Block 65/Lot 23.01– Mantz Engr; Otto, Pleasant Run Rd.

Escrow fees paid 4/4/08, Ck#1257, \$750.

Mr. James Mantz, NJ licensed engineer and land surveyor appeared before the board. This is a septic system replacement plan, it is a 1.89 acre property located on the west side of Pleasant Run Road. Mr. Otto intends to sell the property, a home inspection failed due to the distribution box being full of water and the system not functioning. The property is flat and marshy, Pleasant Run water course is located west of this property. Two soil logs were done in March, there was a lot of ground water, mottling up to the 24" level in this area, there was a lot of water seeping into the soil logs. A pitbail test passed all regulations, the proposed system location was chosen because there is an existing well in front of the house and he wanted to stay away from the flood plain of the Pleasant Run. The tests were acceptable, the highest groundwater level based on mottling is 24" the design height is based on that.

It will be a pump system, the requirements have been discussed with the client. A HCHD letter dated 5/27/08 contained 13 items and the plans were revised to comply with those items. A 6/25/08 letter stated 3 items to be discussed with the board, 2 items concerning wetlands, and the flood hazard area. As far as locating the floodplain, the DEP website indicated the Pleasant Run as a delineated watercourse. The contact at the state indicated there were no state studies in this particular area. Mr. Mantz stated that he used the flood insurance map, overlaid an aerial photo of the site and determined and showed on the plan the approximate location of the flood hazard area.

There was some discussion of the flood hazard limit line.

Chair Nugent stated the flood hazard limit line extends roughly from the middle of the property on the right hand side near the #3 reference and it is represented by a solid line with two dashes, continues directly across the property in a northwesterly direction exiting the property on the left side of the property from the maps perspective, slightly above reference #18 and #19.

Mr. Mantz stated that is correct and continues on approximately 20' west of the house on 23.02.

Ms. Muir stated the toe of the bed looks as if it is on the right of way, by the county road, Pleasant Run Rd.

Mr. Mantz stated the bed is set 15' behind the future right of way, the requirements are 10' from the property or side line, so he set it at 15'. The hashed semi dark line is the limit of disturbance, 15' away from that, which is 33' away from the center line, and an additional 15' to the bed itself.

Ms. Butula confirmed that there was a setback, or buffer from the flood plain.

Ms. Taormina asked where the neighbors' mounded system was in relation to the line, and the distance?

Mr. Mantz stated it is north of the house, or looking at the plan to the left and says existing septic system. It is approximately 15 – 20'.

There was some discussion of removing the existing trees. It was determined that the trees should be removed.

Ms. Vaccarella stated the Soil Conservation District is involved in this, that is why there is a limit of disturbance

on the plan, which will also be looked at in addition to the overall water across the property is not changing, affecting other neighbors properties as well as the fact that they're not getting the toe of the slope on the neighbors property. A final grade inspection of all alterations from now on may be changing the HCHD policy. Ms. Taormina asked what the height of the mound would be, and is there any type of visual buffer?. There is no variance because the toe of the mound is not *inaudible* an ordinance of ours.

Mr. Mantz stated approximately 4' high, and there is probably 1 or 2 deciduous trees between the dwelling on 23.02 and this lot. It is not really a visual buffer. Mr. Mantz stated he did speak to the neighbor to inquire where his well was and to point out where the proposed system would be on 23.01. The lot line will be staked, as mentioned in HCHD 5/27/08 letter.

Chair Nugent asked regarding the jurisdictional wetlands evaluation, what does the 'jurisdictional' reference mean?

Mr. Mantz stated this wasn't approved by the DEP and is not submitted to the DEP, Mr. Kuc uses the footprint of disturbance and determines if there are wetlands or transition areas within 150' of the proposed disturbance, even if there is wetlands on a particular property.

Ms. Butula questioned that Mr. Kuc used a term 'long term wetland hydrology' that has not been used before.

Mr. Mantz stated he hadn't questioned it, otherwise he would have called Mr. Kuc about it.

Ms. Taormina questioned how the flood insurance map was used.

Mr. Mantz stated the flood insurance map was scanned, overlaid on the DEP's downloaded map so that the roads match, and the line was drawn from there.

Ms. Taormina confirmed that Ms. Vaccarella has a signed application on file.

Ms. Vaccarella stated yes, dated 4/16/08.

Chair Nugent stated that Mr. Mantz would be required to revise the drawings, absent of the requirement against the waiver to the 10' to the property line. The trees are to be taken down. If the revisions could be submitted to the BOH office and HCHD at the same time, the toe of the mound to the property line can be removed from their review letter.

Mr. Mantz thanked the board for their time.

3. Block 48/Lot 30 – Bohren & Bohren; Paolino, Demott Dr.

Escrow fees paid 6/5/08, Ck# 544, \$750.

Mr. Robert Templin, NJ licensed engineer and surveyor appeared before the board. This design was prepared for the septic system on Block 48/Lot 30, located on Demott Dr., involved in a property transfer in the near future. This is an existing 4 bedroom dwelling, with a failing system, due to the laterals being silted in. There are two septic tanks on site, one was not cleaned properly and the solids went into the system.

Ms. Butula asked if this was a Readington Tank, with the two sides.

Mr. Templin stated there were two separate tanks. The proposed system will be placed at the rear of the house on the northerly side. The soil tests performed there are shown on the map as soil log 1, a basin flood was done in that log. Soil log 2 was located closer to the property line. Both logs went to 120", had shale, from 48" – 120", it was less permeable as it went deeper. A basin flood at 5' (60") was passing, the first flood draining at 5 hrs., the second was overnight and was empty in the morning. The location was good for permeability, but did require mounding at 4' on the low side, and 3.5' on the high side. A pump system will be utilized to get the water into the system.

Ms. Butula asked for an explanation of why they would end up with a mounded system.

Mr. Templin stated the basin flood was done at 60", and the code requires that the level of infiltration be 6' above the basin flood elevation. The level of infiltration is at elevation 106.5, the existing ground on the high side of the system is at 105.5.

Ms. Taormina questioned the term "assumed wetlands buffer".

Mr. Templin stated that they do not have an LOI from the state defining the buffer delineation, experience would dictate whether or not they had ordinary or extraordinary value wetlands.

Ms. Butula stated the field investigation report from Mr. Warford, does not clarify that there are no wetlands within the footprint of disturbance. That point is never stated in his letter.

Mr. Templin stated as indicated on the map by A1, through A5, those are flaggings placed in the field at the limit of the wetland, soil borings were done on either side of where the wetland line is to determine what the

soil morphology is, and that is placed on the map. Perhaps in the report, it would be more definitive for the board to have the statement that it does not impact the system.

Chair Nugent stated there is no reference on the map to the points made in Mr. Warford's letter.

Mr. Templin stated he agreed, there should be a definitive conclusion and a reference made to the plan before the board.

Chair Nugent stated he would like to see where the old system is on the map. Also, the distance marker between SL2 and the bed should be included since that is being used as the design.

Mr. Templin agreed, and asked if there were any other issues.

Chair Nugent confirmed that the applicants were aware of the requirements for a pump system.

Mr. Templin stated they had been advised, the current homeowner and the new homeowner are present.

Mr. Facinelli arrived at 8:40 p.m.

4. Block 75/Lot 37 – Tiedeman; Harder, Locust Rd.

Escrow fees paid 6/2/08, Ck# 3450, \$750.

Mr. Charles Tiedeman, NJ licensed engineer appeared before the board. Mr. Tiedeman stated they are asking for a waiver on this application. This is a septic alteration for Block 75/Lot 37, 523 Locust Road. This is a 5 bedroom dwelling, there is a deep gorge indicated on the plan that crosses the front of the property, it is served by a private well. About a year ago the septic tank on the property was replaced with a 1250 gal. plastic tank which was in good condition when inspected by video. The lateral was found to be saturated and beyond continued use. 5-6 soil logs, one a basin flood were excavated across the rear yard of the property, excavated to about 5 – 6', machine refusal was encountered at those depths. A basin flood test was conducted to a depth of about 60" between soil logs 4 and 5, they were excavated to a depth of roughly 6', it drained but not in a 24 hour time period, both tests trained to about 3". The area is very dense clay and shale, with limited fractures. An oversized mounded disposal bed is proposed, with 20% added to the area. A waiver is needed from the state code, the property owners within 200', and utilities were notified. The homeowner is aware of the requirements for this deed restricted pump system. The septic tank is in place already, a dosing chamber is 100' from the well with a connecting pipe 2" diameter force main to a distribution box for gravity dosing.

Chair Nugent stated regarding the basin flood, the information presented doesn't seem clear.

Mr. Tiedeman stated there may have been lateral flow, the 375 gallon dose, which was measured going in, brought it to approximately 12" of the floor of the basin.

Chair Nugent stated the witness material indicates slightly different measurements. The first drain was a 10" drop with 2" left in the hole, and 3" was reported, the second drop was only 9" with 3" remaining, which is consistent.

Ms. Butula stated the depth of the pit is stated at 60" or 5', and the witness record shows 72".

Mr. Tiedeman stated that is incorrect, originally they were going to do a basin flood in soil log 4, but decided to dig a separate basin flood test, between 4 and 5, which only went to 60".

Chair Nugent stated the discrepancy needs to be cleared up, in any case, there is the basin flood that failed.

Why was 20% increase calculated? What was the purpose of the soil samples at certain depths?

Mr. Tiedeman stated the 20% overdesign was suggested by Hunterdon County Health Dept.. The soil samples were clay, samples of the strata are taken in case they are needed for reevaluation, they were bag samples for texture, color, consistency.

Chair Nugent asked Mr. Hansen for his opinion of the proposal.

Mr. Hansen stated this is a tough site, if Mr. Tiedeman is testifying that he has exhausted the possibilities on this site this is the best that he can do, and it is his discretion on the bed size, it is not Mr. Hansens' opinion that the 20% is needed, but if Mr. Tiedeman feels it should be added, and adds some level or factor of safety, he is a professional engineer, and it is his design, and if the board wants to make a design, it is up to their discretion.

Ms. Butula asked if Mr. Hansen felt that the 20% overdesign is a good idea.

Mr. Hansen stated it certainly can't hurt, he would try to go as deep as possible with the select fill to get as much volume down deep.

Ms. Butula asked Mr. Tiedeman if he had gone as deep as possible with the select fill.

Mr. Tiedeman stated the zone of disposal is at 5', the elevation of the test thereabout, and would be another foot, counting on water traveling another foot above the intact rock that could not be dug through, and also lateral flow the disposal bed is keyed in to have the zone of disposal take care of the effluent.

Mr. Hansen stated you have 8' of fill material in there down to bedrock, that is basically what he would do.

Ms. Butula stated that she wanted to make sure every possibility was considered because the health of the community is at stake.

Chair Nugent confirmed with Mr. Hansen that the 20% seemed reasonably scientific.

Mr. Hansen stated that he would defer to Mr. Tiedeman for that, but Mr. Tiedeman is probably considering that they didn't have the permeability they'd like to have, so they added a factor of safety, it is perfectly within his right as an engineer.

Chair Nugent asked how many bedrooms are in the house.

Mr. Tiedeman stated it is a 5 bedroom house as reported by the owner.

Chair Nugent stated the witness' report indicates 4; regarding the tank that was installed about a year ago, what was the size of the tank ?

Mr. Tiedeman stated he thought it was a 1,000 gal. tank, and had a crack in it, as reported by the septic system repair contractor that did the work.

Chair Nugent stated there are some discrepancies that need to be cleared up with this application, the number of bedrooms according to the tax records, the testimony that the 1,000 tank was replaced with a 1250 gallon tank. The HCHD septic repair form dated 6/19/98 confirmed that the tank had been repaired at that time with a 1250 gallon plastic tank.

Chair Nugent stated the basin flood eluded to having been in a soil log at a different depth than is between 2 soil logs, the difference in inch designations.

Ms. Muir asked if this system is failing at this point in time, and is it backing up into the house.

Mr. Tiedeman stated it does not meet the definition of failing in the state code where there is break out, however, video inspection of that lateral that is submerged revealed that it is soon to be a failing septic system, he was not advised that there was any backup into the house.

Ms. Butula stated the wetlands investigator did not give his credentials, so that should be provided.

Chair Nugent stated that the noticing requirements had been fulfilled, and asked if there were any members of the audience wishing to address the board regarding this application.

Mr. Wayne Richie, 530 Locust Road, Block 75/Lot 38 addressed the board. Mr. Richie stated his concern that his property goes behind and on the side of where the system is going in and how is this going to effect his property, will there be any fluids/runoff onto his property 10 years down the road.

Mr. Tiedeman stated the design of the septic is meant to conduct and treat effluent down below grade and treat it passing through a blended sand material called suitable fill before it returns to ground water, nothing comes out on the surface. The height of the mound will be approximately 6' high, overall 22' W X 91' L.

Mr. Richie stated that would cover most of the backyard, and be right up against the side of our property.

There is a large hedgerow of trees along his property line and asked if they would be affected.

Mr. Tiedeman stated the toe of this mound is 15' from the property line. The hedgerow along the Harder property line would not be affected, therefore, the trees on the Richie's property shouldn't be.

Chair Nugent stated by design, the mounded system is meant to take the rectangle of the septic system and extend out substantially, and grade it down so it is less prone to soil erosion and is more maintainable, and the chance of breakout is minimized.

Mr. Facinelli recommended that Mr. Tiedeman show Mr. Richie the map and layout of the system.

Mr. Richie asked if the select fill would slow down the flow.

Mr. Tiedeman stated the fill is a replacement for poor soil.

Ms. Vaccarella stated that select fill was used to slow down fast permeability rates in the past, that is rarely the case in Readington Twp.

Chair Nugent asked if all his concerns were addressed, and thanked Mr. Richie for attending the meeting.

Mr. Richie thanked the board for their time.

Chair Nugent stated if Mr. Tiedeman would clear up the discrepancies as stated, the 2 or 3 inch differences, the location of the basin flood in or not in soil log 4, and the number of bedrooms, and the age of the plastic tank, lastly, the credentials for the wetlands review.

Mr. Tiedeman stated he would defer to whatever date is on the repair form, upon inspection, it looked okay.

Chair Nugent stated this hearing is carried to the next meeting.

Chair Nugent stated the next application is Block 15/Lot 3.

The time was 9:25 p.m.

Ms. Muir stated that she would step down for this application.

5. Block 15/Lot 3 – Tiedeman; Schley, Island Rd.

Escrow fees paid 5/30/08, Ck#5385, \$750.

Previously heard 6/18/08.

Mr. Charles Tiedeman, NJ licensed engineer appeared before the board. This is an existing system which is not functioning properly, the tank size is undetermined, single lateral that is no longer suitable. The existing dwelling is 5 bedrooms, the subsurface conditions around the building were not suitable, the topography is not suitable to locate a disposal bed near the dwelling. An area south of the dwelling along the driveway was selected, two soil logs were dug to a depth of 10', a pitbail test was conducted in soil log 1 with suitable permeability rates. A gravity dosed pressure fed system was designed. A slight mound will be about 1 – 2' above grade. Additional soil logs that were reported excavated on this property were not on Lot 3, the logs numbered 21 - 24 in question were on Block 15/Lot 1, and on Block 15/Lot 1.02 two pitbails were conducted. This is reflected in the letter dated 7/1/08.

Ms. Butula questioned the statement from Mr. Chalupa's reports that the pitbail was done 5/1/07 5/2/07 on Block 15/Lot 3, the depth is 123" in soil log 1 and on Form 3a, pitbail test 1 is at 107", the data correlates to his data.

There was some discussion of the pitbail depth on Form 3a dated 4/10/08. The depth of 123" was confirmed.

A **MOTION** was made by Ms. Butula for approval for Block 15/Lot 3, Schley, 16 Island Rd. this is a 5 bedroom house, an alteration with no expansion from a map entitled Septic System Alteration Block 15/Lot 3, addressing sheet 2 of 4, dated 8/1/07, revision 2/1/08 prepared by C. F. Tiedeman, licensed engineer in NJ, survey done 5/29 – 5/30, dated 6/4/07 by Thos. L. Yager, licensed surveyor, HCHD report dated 6/4/08, mounded soil replacement gravity dosed new pump tank, 460' of force main to a disposal bed near the entrance of the property which is elevated. The dosing will be gravity pumped to a distribution box done to minimized the power needed. The primary was done 5/1/07, soil log 1 @ 123", mottling 36 – 48", hydraulically restrictive horizon 6 – 64", seepage @ 72". Soil log 2 @ 123", mottling 120 – 123", hydraulically restrictive horizon 6 – 64", seepage @ 112". Permeability was pitbail 1 @ 123" done 5/1/07, results of 27.45"/hour. Regional water level is determined at 36" in soil log 1. A wetlands document search and evaluation for Block 15/Lot 3 dated 6/15/08 states that "based on my inspection of the site during the field portion of the testing 5/1/08, none of these conditions are present within 300' of the proposed construction." This system will necessitate the use of a pump as stated, including the required deed restriction and maintenance requirements. A tax map showing the location of soil logs 21,22,23,24 and pitbail 1,2 and soil logs 1 and 2 was provided by Mr. Tiedeman.

This motion was seconded by Mr. Facinelli. On roll call vote, the following was recorded:
Dr. Allen Aye Ms. Butula Aye Mr. Facinelli Aye Chair Nugent Aye

Chair Nugent asked that Mr. Tiedeman provide the board with 14 copies of the revised Form 3a. Mr. Tiedeman thanked the board, and stated the copies would be provided on 7/21/08.

Mr. Facinelli excused himself at 9:55 p.m.

6. Block 62/Lot 12 – Symonds, Biggs Engr.; Ruse/Dennis, Route 523.

Escrow fees paid 4/22/08, Ck# 1516; 6/27/08, Ck# 1550

Mr. Jess Symonds, Biggs Engineering, NJ licensed engineer appeared before the board. This project is for Block 62/Lot 12, 909 Route 523, there is an existing dwelling on the property with a functioning, non-conforming disposal system. The proposed system will be a gravity flow system.

There was some discussion, confirmed by Ms. Ruse, of the house number being changed from 911 to 909. It was determined that the property would be referred to by Block 62/Lot 12 for accuracy.

Mr. Symonds continued there is an existing well. The dwelling will be razed, abandon the disposal system and construct a new dwelling next to the existing. Five soil logs and two basin flood were done on the property, a primary and reserve disposal system are shown on the map referred to the Septic Design, 3 sheets dated 2/15/08, revised 6/9/08. Sheets 2 of 3 and 3 of 3 had no revision dates. A letter from Jeff Tareila confirms that there are no wetlands or transition areas within 150' of the site. The survey was performed by James Deady dated 2/6/08, revisions 2/19/08, 3/5/08. The primary area consists of soil log 3, soil log 4 and basin flood 1. The reserve soil logs are 5, 1, and basin flood 2. The distance between the envelope of the reserve area and soil log 5 is 12', and soil log 1 is 2'. Soil log 2 is 20' from the reserve area and 25' from the corner of the proposed disposal bed.

Chair Nugent confirmed with Mr. Symonds that the distances to all the neighboring wells is more than the 100' requirement, and distances to all neighboring disposal system components are within the required distances.

Ms. Butula stated that the letter from Mr. Tareila was not signed, and requested that Mr. Symonds obtain a signed copy and provide it to the Board of Health.

Chair Nugent stated for the record, there were water tests submitted.

Ms. Butula asked if Ms. Vaccarella had reviewed the results.

Ms. Vaccarella stated the test from 2005 from when the house was purchased, and follow up test for bacteria, etc., were all passing.

Ms. Butula asked Mr. Hansen with regard to soil log 2, stated as 20' and 25', is that okay?

Mr. Hansen stated it was included in the report because it scales to within 15' from the edge of the reserve bed.

Ms. Butula asked if Mr. Symonds was giving testimony that the figures given were absolute.

Mr. Symonds stated not absolutely. It may have been scaled prior to the reserve bed being moved, originally it was too close to the disposal field. Mr. Symonds scaled the plan, and confirmed that it scaled to 15'. The soil log failed because of field conditions, water monitoring done for 8 weeks on 3 soil logs was started on soil log 2, which was in a slight depression, and was collecting surface water, and ruts from the equipment contributed to the situation, so another soil log was dug and monitored further up hill.

Chair Nugent confirmed with Mr. Hansen that Mr. Symonds' explanation regarding the reason for the failed soil log 2 was valid.

Mr. Hansen stated yes it is valid, that it is Mr. Symonds' testimony, there is nothing to refute that, it certainly can happen.

There was some discussion of the comparison between failed soil log 2 and soil log 4 in the primary.

Ms. Butula stated she is taking Mr. Symonds' testimony as a professional licensed engineer, that to the best of his professional knowledge, the conditions were caused as stated.

Mr. Symonds stated that is correct.

A **MOTION** was made by Ms. Butula for approval for Block 62/Lot 12 with a map named Septic Design for Gabriela Ruse, Block 62/Lot 12, Readington Township, Hunterdon County, NJ, dated 2/15/08, revision 6/9/08, on sheet 1 of 3, prepared by Jess Symonds, licensed professional engineer in NJ. The survey was done by James Deady, licensed professional surveyor in NJ, dated 2/6/08, revisions 2/19/08, 3/5/08. Reports from Ferriero Engineering are dated 5/28/08, 6/11/08, 6/12/08, 6/17/08 and 7/3/08. A letter dated 6/4/08 from Ms. Ruse and Mr. Dennis, and a letter dated 6/20/08 from Mr. Nugent to Ms. Ruse and Mr. Dennis is included. This is for new construction of a proposed 4 bedroom home, a gravity fed mounded system. For the primary, soil

log 3, @ 116", mottling 41 – 116", no seepage; soil log 4 @ 116", mottling 48 – 116", flooding @ 113"; soil log basin flood 1 done to a depth of 72" mottling 48 – 72", no seepage. Permeability was basin flood 1 done 1/15/08 – 1/16/08, passing. In season groundwater monitoring was done in soil log 4 from 1/15/08 – 3/5/08, highest level 88" on 2/13/08. Regional water for the primary is determined by the logs, soil log 3 @ 41". For the reserve, soil log 1, done 1/15/08, @ 120", mottling 26 – 120"; soil log 2 failed as supported by testimony and is within 15' of reserve area; soil log 5 done 2/27/08, @ 113", mottling 28 – 113", seepage @ 102 – 113"; and BF2 done 1/15/08, @ 69", mottling 26 – 69"; permeability is basin flood 2 done to a depth of 5.75' or 69" done 1/15/ - 1/16/08, passing; in season groundwater monitoring was done in soil log 5 from 3/15/08 – 4/23/08, highest level 92" @ 3/5/08. Regional groundwater for the reserve is determined by soil log 1 and soil log BF2, groundwater at 26". A letter from Jeff Tareila entitled Wetlands Site Investigation, dated 4/21/08 is included stating "it is our determination that no freshwater wetlands, freshwater wetlands transition areas, state open waters or flood hazard area control are present on or adjacent to the property known Block 62/Lot 12." There are two water tests dated 2/15/05 and 6/17/08 which were both found to be passing. A four page SCS report was also provided.

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

Dr. Allen Aye Ms. Butula Aye Ms. Muir Aye Chair Nugent Aye

Mr. Symonds thanked the board.

Ms. Ruse thanked the board.

G. ADJOURNMENT

A *MOTION* was made by Ms. Muir to adjourn at 10:40 pm, seconded by Ms. Butula with a vote of Ayes all, Nays, none recorded.

Respectfully submitted:

Lorraine Petzinger
Board of Health Secretary