

READINGTON TOWNSHIP BOARD OF HEALTH MEETING

June 20, 2007 7:00 pm

Chair William C. Nugent called the meeting to order at 7:17pm and announced that all laws governing the Open Public Meetings Act have been met and that this meeting has been duly advertised.

Attendance Roll Call:

Christina Albrecht	present	Raymond Facinelli	absent	William C. Nugent	present
Daniel Allen	present	Beatrice Muir	present	Wendy Sheay	present
Jane Butula	present				

Also Present: Board of Health Engr: Ferriero Engr., representative Mr. Joe Kosinski
Board of Health Attorney: Marisa A. Taormina, Esq.
Hunterdon County Health Dept. representative Mr. Wayne Neville

A. APPROVAL OF THE MINUTES

1. **Minutes** of May 16, 2007. (-Muir vote).

A **MOTION** was made by Ms. Albrecht to **approve** the minutes of 5/16/07.

This motion was seconded by Ms. Sheay.

The minutes would be revised to state that the meeting start time was delayed one hour to 8:00 p.m.

The revised minutes for May 16, 2007 were approved with a vote of ayes all; nays, none recorded.

Ms. Muir abstained.

B. CORRESPONDENCE

1. **American Public Health Assoc.** - annual meeting.

2. **HCHD** – Upcoming Educational Opportunities. (*emailed 5/21/07*)

3. **ANRF** – American Nonsmokers Rights Fnd. – local legislation.

Ms. Butula suggested certain responses to this correspondence.

4. **NJLBHA** – Local BOH Assoc. newsletter.

5. **NJLBHA** – Local BOH Assoc. renewal.

Ms. Butula stated for #4 and #5, some small health depts. may not serve their communities well, so in those instances, the large county model has her support. Ms. Sheay stated that public health has already been consolidated.

A motion was made by Ms. Butula to renew the BOH membership in NJLBHA. This motion was seconded by Ms. Muir. On roll call vote, the following was recorded:

Ms. Albrecht Aye Ms. Butula Aye Ms. Sheay Aye

Dr. Allen Aye Ms. Muir Aye Chair Nugent Aye

6. **Block 75/Lot 14 - HCHD memo regarding Notice of Violation.**

7. **Memo dated 5/18/07 from Hatch Mott MacDonald** re:NJDEP Flood Haz. and Wetland Permit.

8. **Memo dated 5/17/07 from NJLM** regarding Influenza Pandemic Update.

9. **Memo dated 5/17/07 from NJLM** regarding Pandemic Flu Guidelines.

Ms. Butula asked that Mr. Kerwin be copied on both 8. and 9.

10. **Memo dated 5/25/07 from NJLM** regarding Gypsy Moth Suppression.

11. **Letter dated 5/24/07 from G.C. Environ.** regarding identification of Historical resources.

12. **Suspected Hazardous Discharge Notification** letter dated 5/25/07
regarding heating oil at 3 Pasture Road.

13. **Suspected Hazardous Discharge Notification** letter dated 5/31/07
regarding heating oil at 23 North Honeyman.

14. **Suspected Hazardous Discharge Notification** letter dated 5/31/07
regarding heating oil at 9 Judge Thompson Road.

15. **Suspected Hazardous Discharge Notification** letter dated 5/31/07
regarding heating oil at 1 Blacksmith Road.

16. **NJDEP** – Notice of Deficiency dated 6/4/07.

17. **Block 55/Lot 21 - Memo dated 5/18/07 from Hatch Mott MacDonald** regarding
LOI Presence/Absence.

Ms. Butula noted that the application for this property is upcoming.

18. NJDEP – No Further Action Letter regarding 204 Minebrook Rd., Far Hills.
19. **Block 83/Lot 4** NJDEP LOI .
20. **Block 39/Lot 57** NJDEP LOI .
21. **HCHD** – Guidance Documents for retail food vendors.
22. **HCHD** – 2006 Annual report.
Ms. Butula noted that all board members should read this.
23. NJLM – June 19, 2007 memo regarding NJDEP new water quality mgmt. planning rules.
Ms. Butula asked for HCHD input on this after it has been reviewed.

C. SEPTIC REPAIRS (*HCHD status in italics*).

1. Septic System Repair Approval from HCHD, B 51/L 57. *No work done as of 6/7/07*
2. Septic System Repair Approval from HCHD, B 70.01/L 44. *Final field 5/14/07*
3. Septic System Repair Approval from HCHD, B 74/L 26.11. *Final field 5/18/07*
4. Septic System Repair Approval from HCHD, B 77/L 16. *Final field 5/24/07*
5. Septic System Repair Approval from HCHD, B 46/L 24.14. *Final field 5/23/07*
6. Septic System Repair Approval from HCHD, B 96/L 1. *Final field as of 5/21/07*
Ms. Butula asked Mr. Neville to clarify the age of the system, and questioned what terra lift meant. Mr. Neville stated it is pressurized air that is put on the bed in certain spots. It is a temporary solution. This system will be aerated. Mr. Neville will keep the board advised.
7. Septic System Repair Approval from HCHD, B 68/L 10.17. *Final field 5/17/07*
8. Septic System Repair Approval from HCHD, B 70/L 27.32. *No work done as of 6/7/07*
9. Septic System Repair Approval from HCHD, B 45/L 48. *No work done as of 6/7/07*
10. Septic System Repair Approval from HCHD, B 69/L 13.29. *No work done as of 6/7/07*
11. Septic System Repair Approval from HCHD, B 68/L 10.13. *Final field 6/1/07*
12. Septic System Repair Approval from HCHD, B 70/L 31.20. *No work done as of 6/7/07*

D. OLD BUSINESS

The following will be reviewed when the board's hydrogeologist attends the next meeting.

1. **Readington Township Schools**– well water test results.
 - A. Readington RMS New 2.
 - B. Readington RMS Old 1.
 - C. Readington Holland Brook School.
 - D. Readington Three Bridges School.
2. **Readington Township Board of Health** application form – follow up.
Chair Nugent stated the new application form will be reviewed prior to distribution.
3. **Newsletter** – *Ms. Butula noted that an article on LYME Disease was published in the Readington Township Newsletter. Information is also on the township's webpage www.readingtontwp.org*
4. **HCHD application form.**
Chair Nugent stated HCHD and RTBOH are conferring on this matter.

E. New Business

1. **St. Hubert's Animal Control Services Reports** – 9/2006 – 4/2007.
Noted.
2. **Hunterdon County Partnership for Health meeting.**
Ms. Butula stated the team leaders reported on the 5 initiatives in the community. A copy of the report will be sent to each board member and township committee member.
3. **Education.**
Chair Nugent noted the courses that are available through HCHD and Emergency Mgmt. Ms. Sheay will be providing guidance to the board members.

F. APPROVALS

Category A. – Single Lots

Dr. Allen and Ms. Muir recused themselves from hearing the following application:

1. Block 25/Lot 43 – Heritage, Wilmark, Route 523.

Escrow fees paid 4/9/07. Check #12283 \$750.00.

Mr. Leo Santowasso, NJ licensed engineer at Heritage Consulting represented this application for Wilmark Building.

Ms. Taormina swore in Mr. Santowasso.

Mr. Santowasso stated they had prepared a septic system design based on soil testing conducted in May 2006 and February 2007 to correct a malfunctioning system located on the subject property. There were some issues with the initial review from HCHD with regard to perhaps artesian conditions. They retested in the wet season, the artesian condition seems to not be an issue at this point. A pump will be required to force the effluent to the new location of the new system. The board should have a letter from HCHD dated 6/5/07 regarding this application.

Chair Nugent asked for an explanation as to why the artesian condition was no longer an issue.

Mr. Santowasso stated there is more than 4' of separation, and it is his belief that there was never an issue. To support that, the testimony offered before this board 11 months ago by Dr. John Trela for Stanton IV.

Chair Nugent stated that a HCHD June 5, 2007 letter continues to identify soil logs 1, 2, and 3 as artesian by definition. What is being presented to counter that?

Mr. Santowasso stated soil log 4 was conducted on 2/8/07 and was not found to be artesian, that is what the system is based on along with a pit bail test, that is detailed on form 2b, soil log 4.

Chair Nugent confirmed that soil log 4 is in the middle of the proposed bed and in between soil logs 1 and 2. Chair stated that Mr. Santowasso's contention was that because soil log 4 was performed in the wet season and exceeded the 1 foot separation, by contrast the other soil logs performed out of the wet season that did not exceed the 4' separation is why there is no artesian.

Mr. Santowasso stated yes.

Chair Nugent asked for reference to the section of the state code that allows that.

Mr. Santowasso stated he did not have that reference available.

Ms. Sheay stated what Chair is referring to is on page 34, talking about the artesian zone of saturation.

Mr. Santowasso stated he would have to review the field notes and other data. Mr. Santowasso asked what exactly was the concern.

Chair Nugent stated soil log 4, albeit not artesian, does not cause soil logs 1, 2, and 3 to no longer be artesian, is that correct?

Mr. Santowasso stated with respect to what is referred to in the code, by definition of the artesian condition, it does not. Mr. Santowasso stated it is his opinion that there is not an artesian condition in the soil, artesian to his thinking as an engineer, is water under pressure exiting at ground level. This is not a condition that he has experienced anywhere in Hunterdon County, or Warren County. Dr. Trela went through the discussion of this 11 months ago before this board, with very similar soil conditions in Stanton Place IV, approximately 3 properties from where we are talking about.

Chair Nugent confirmed that Mr. Santowasso's opinion is that the code is incorrect in its assumption that soil logs 1, 2, and 3 are artesian by definition.

Chair Nugent stated there were some other questions, and they would possibly come back to this. Basin flood 1 is in the primary bed area, and failed.

Mr. Santowasso stated that is correct.

Chair Nugent stated basin flood 1 was performed next to soil log 2, and soil log 2 encountered seepage and a static water level of 92", correct?

Mr. Santowasso stated that is correct.

Chair Nugent asked why a basin flood was performed next to a soil log that had such depth of water, what was to be accomplished? Does the code allow for a basin flood to be performed in a pit that would have had water in it if it was dug to the depth of the adjoining soil log?

Mr. Santowasso stated he did not know what the relationship was as to when the water came in, and when

the actual basin flood was attempted at 9:22 a.m. Mr. Santowasso stated he could not directly answer that. Chair Nugent stated by contrast, the pit bail test passed.

Mr. Santowasso stated that is correct, it passed, resulting in a K3 rate.

Chair Nugent stated he had some difficulty calculating the same K rate, and asked Mr. Kosinski for input.

Chair Nugent asked Mr. Santowasso what calculation was used to obtain that rate.

Mr. Santowasso stated he would have to calculate that.

Ms. Butula stated that the board asks for a signed and sealed surveyors map. Also, to the east, if there are no neighboring wells within 100', Mr. Santowasso should testify to that.

Mr. Santowasso stated he did not believe there were, they would check that to be sure and make a note on the drawing.

Ms. Albrecht stated on page 2 under General Notes, it says adjoining wells if found within 150' of the proposed disposal system, have been located on the plan, so it seems it has already been addressed.

Mr. Santowasso stated he would double check that.

Chair Nugent asked if all buildings that exist on the property identified on this plan.

Mr. Santowasso stated he would confirm that, since this was done in May 2006.

Chair Nugent asked if the number of bedrooms was known.

Mr. Santowasso stated the design is based on 4 bedrooms, he believes the house has 4 bedrooms.

Ms. Butula asked Mr. Neville to confirm with Mr. Vaccarella that the HCHD form would be stamped indicating that this is a request for a pump.

Ms. Taormina confirmed with Mr. Santowasso that he had discussed the pump system requirements, including the deed restriction, and follow up with his client.

Mr. Santowasso stated yes.

Chair Nugent confirmed that the notice information had been received by the board.

Ms. Petzinger provided the documents to Ms. Taormina for review.

Chair Nugent reviewed, there are 3 soil logs that are artesian, 1 that is not, a failing basin flood, and a passing pit bail. Has there been any other testing done, other than presenting an additional soil log to disprove soil logs 1, 2 and 3 being artesian, and does the code provide suggestions for disproving artesian? Normally, the board likes to see the hydraulic head test done to disprove artesian.

Mr. Santowasso confirmed that no other testing was done, he felt that the additional soil log was sufficient.

Ms. Sheay asked if Mr. Santowasso knew why the system failed in the first place.

Mr. Santowasso stated no.

Ms. Butula asked if Mr. Santowasso had any testimony as to the presence or absence of wetlands.

Mr. Santowasso stated in his opinion there are no wetlands within the 50' area/location proposed for the new system.

Any wetlands that might be in the area would probably be classified as intermediate value requiring a 50' buffer, and there are none in the area.

Ms. Butula asked for testimony that there are no streams present on the property.

Mr. Santowasso asked if that should be noted on the drawing.

Ms. Butula stated yes.

Chair Nugent referred to 7:9A, sub. 6, Permeability Testing, section 6.1.e.4., and confirmed with Mr. Santowasso that it was his opinion that this system would work.

Mr. Santowasso stated yes, it was his opinion that this would work, Lot 38.10 in Stanton IV is very similar, was approved previously by the board.

Chair Nugent asked if the dwelling was occupied at this time.

Mr. Santowasso stated yes, he believed it is.

Chair Nugent stated there were still a number of unanswered question.

Ms. Butula stated Mr. Santowasso has work to do to be resubmitted. Ms. Butula would review Dr. Trela's testimony.

There is work to be done on both sides.

Mr. Santowasso asked about the next hearing.

Chair Nugent indicated that this application will be heard at the July 18, 2007 meeting, if all subsequent revisions meet the agenda deadlines.

2. Block 75/Lot 3 – RBZ Enterprises, Inc., Klementovich, Lazy Brook Rd.

Escrow fees paid 4/25/07. Check #1483 \$750.00.

Previously heard 5/16/07.

Mr. John Haley, soil technician on the project and Mr. Kurt Hoffman, NJ licensed engineer appeared before the board. Mr. and Mrs. Klementovich were also in attendance. Mr. Zederbaum was unable to attend this evening.

Mr. Haley stated several revisions had been submitted since last month. The date on the mapping reflects the signature date of 2/22/07, revision 3/29/07 per HCHD letter.

Ms. Butula stated according to the minutes from the previous meeting, the issues were the date, the neighboring properties should have received notification, the size of the mound, and location to the boundary line were the issues. Also, this board would want an engineer to supervise the installation of the system.

Chair Nugent confirmed that notice had been given.

Ms. Taormina reviewed the documents, read the notice into the record, and asked if there were any property owners present who wished to address the board.

There was some discussion of the content and clarity of the notification to the adjoining property owners.

Ms. Taormina swore in Mr. Klementovich.

Mr. Klementovich stated that he had had a conversation with his neighbor Mr. Demarco and had explained the proposed system. Mr. Demarco's property is to the north of Block 75/Lot 3 which is next to where this septic field will be. Mr. Klementovich indicated on the map that is before the board the open field which is to the north of the proposed disposal bed.

Ms. Taormina stated that she was very comfortable with this sworn testimony, confirming that the neighbor was aware of the proposed disposal system.

Mr. John Haley stated the applicants have had the well tested and provided the results to the board, the test was performed 5/21/07, for total coliform, results were conforming to state and federal drinking water samples.

Ms. Butula referred to the HCHD letter of 3/13/07, and confirmed that the outstanding issues had been resolved.

Ms. Taormina confirmed with Mr. Hoffman that he had reviewed this application with Mr. Zederbaum and Mr. Haley, and this proposed system is more in conformity with state code than the prior system, and absent of use, will the system provide more long term and satisfactory performance.

Mr. Hoffman agreed with the above statements.

A **MOTION** was made by Ms. Butula to approve Block 75/Lot 3, an alteration with no expansion for a property on map named Septic System Plan for Robert Klementovich, Block 75/Lot 3. The map was prepared by Robert Zederbaum, licensed professional engineer, testimony has been given here by Kurt Hoffman, a licensed engineer in the state of NJ. The map was dated 2/27/07, revision on 3/29/07. A second map was submitted to correct the date of 2/27/07. The surveyor is Nicholas Lebo, licensed professional land surveyor in the state of NJ, dated 3/29/07. HCHD reports dated 3/13/07, and 4/11/07. This is a gravity pump mounded soil replacement system. Primary soil log performed 11/20/06, soil log 7 @ 33", mottling 8 – 10", seepage @ 8"; soil log 3, depth 50", seepage @ 18", flooding @ 19.75". Soil log 8, depth 27", seepage @ 8". Soil log 9 on 11/21/06, depth of 50", mottling 18 – 20", seepage @ 18"; soil log 10, depth of 26", seepage @ 12". Permeability test is pit bail 1 @ 48", done 11/20/06, K of 2.23"/hour. In season ground water monitoring done 1/2/07 – 2/20/07 with 3" on 1/2/07. The regional water is determined by monitoring @ 3". The HCHD stated 8" and 3", it is the regional zone as determined by logs was 8", but the ruling is the monitoring 3" on 1/2/07 and 1/9/07. There is also testimony that they are designing to a K1. There is a pump going to be used, a deed restriction has to be recorded in the Hunterdon County Clerk's office, a copy sent to the Board of Health secretary within 90 days. The owners voluntarily had the well tested on 5/21/07, it is a potable well. The toe of the mound will be within 2' of the property line, this is a variance from the code, also as recommended by the county and stated by this board, a surveyor shall stake out the rear of the property to ensure the system and grading is within the property lines. Also, an engineer shall inspect the final grading on the

property and provide certification that all grading has been done within the property lines and has not lead to any off site surface water problems.

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

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

The following applicant was not in attendance.

3. Block 42/Lot 25– Raes, Engr. and Land Planning, Boccafogli, Pulaski Rd.

Escrow fees paid 6/6/07. Check #6837 \$750.00.

Chair Nugent stated there were concerns regarding the pump tank size.

Ms. Butula stated she had three concerns that she wished this engineer to address, the pump tank, neighboring wells, and the stone driveway.

4. Block 47/Lot 13– Mantz Engr.,Kramer , 42nd Street.

Escrow fees paid 5/8/07. Check #16539 \$750.00.

Mr. James Mantz, licensed engineer and land surveyor in NJ, appeared before the board. Also in attendance was builder Mr. Robert Peck, who will be building the house.

Ms. Taormina swore in Mr. Mantz.

Chair Nugent noted that the witness sheets for this application were part of the application for 47/14 which was approved in May 2006.

Mr. Mantz stated he was approached by the owners of this property, Chris and Ken Kramer, Block 47/Lot 13, on the northwest side of 42nd Street. They bought the lot with the soils testing already done in April of 2004. They asked Mr. Mantz to prepare a design. They used the existing standpipes. There is an existing well on the property located approximately 75' off 42nd Street. The house will be raised to achieve gravity flow back toward the system. If the reserve system is used, it would require a pump, based on current grading. The tests are based on the soil logs, the basin floods were fairly good, evacuating in less than 1 hour. A wetlands LOI was not done, however, Mr. Mantz stated he has walked the property, and would testify to the absence of wetlands or wetlands vegetation on the property. There is an existing capped well on the property, which is the well they intend to use.

Mr. Peck stated that the well was drilled prior to a subdivision approval to ensure that there was potable water on the property. The well does not have a pump in it.

Ms. Butula confirmed that this was recent, so there is a record at the county. At some point we will jointly address the issue of the wells and the plume that exist in this area. There is a consistent approach to new building in this area of town.

Mr. Mantz stated he was sure the owners would want to comply with whatever requirements or suggestions the board may have.

Chair Nugent confirmed that soil logs # 1 – 5 were on lot 14, this lots soil logs began with #6.

Chair Nugent asked what the distance was to the well and septic on lot #11.

Mr. Mantz stated he did not locate them, he drew a 100' radius line, and that line did not encroach on the well and septic on that lot. There was no visual evidence on the property.

Chair Nugent asked if there was any well water test information available.

Mr. Mantz stated he did not know.

Mr. Peck stated he did not know, however, he believed it may have been a part of the subdivision approval.

Chair Nugent asked Mr. Mantz if he knew when this Lot 13 was officially subdivided.

Mr. Mantz stated in General Note 1. It states that this was filed on 1/21/63. Two non conforming lots may have been created because of the common ownership. The subdivision map dated October 1962 was file map # 200, Martha Clark, Readington Township, 5 subdivided lots with 1 remaining.

Chair Nugent read the motion for the approval of Block 47/Lot 14 from the 5/17/06 BOH meeting into the record:

A **MOTION** was made by Dr. Allen for Block 47/Lot 14, on 42nd St., applicant Barbara Podpora, engineer is Biggs Engineer Assoc., map dated 12/14/04, entitled Septic Design for Barbra Podpora, no revisions. The surveyor is George Sniffin, map dated 11/6/04. For the primary, soil log 3, saturation of 132", soil log 4, saturation at 156". Basin flood #1 passing at 96". For the reserve, soil log #1, saturation at 132", soil log #5, saturation at 132", basin flood #1 passing at 100". Ground water monitoring for 8 weeks at 125" or dry, dates 1/7/06 through 2/25/06. This is new construction, a gravity fed system. Letter dated 5/10/05 established the absence of wetlands. This motion was seconded by Mr. Facinelli.

Dr. Allen amended this motion to state that should well testing be positive for VOC's exceeding the drinking water standards, installation of a POET system and annual testing would be required with test results reported to Hunterdon County Health Department and this Board of Health.

This amended motion was seconded by Mr. Facinelli

On roll call vote the following was recorded:

Dr. Allen	Aye	Ms. Muir	Aye	Chair Nugent	Aye
Mr. Facinelli	Aye	Ms. Sheay	Aye		

Chair Nugent stated that subsequent to this motion, there has been evidence suggesting that the plume has affected other wells in the area, and being within proximity to this property may cause concern. Since that original motion was made, the board has taken a firmer approach, and in some instances required POET system installation monitoring and results to be reported back to this board and the HCHD, especially for new construction. To that end, Mr. Mantz may want to speak to his clients to find out if they are amenable to this.

Ms. Butula stated the BOH hydrogeologist and Ms. Vaccarella from HCHD have provided input, and the board has come up with a plan, for at least 7 homes, new construction, and 1 existing, that this has been required of, beginning with a basic level testing, a baseline. The board has asked that POET systems be installed, and there is a testing program quarterly, and is submitted to NJDEP, the HCHD and the board for continuous monitoring. These would be the kind of things to discuss with the client. If they need further information, Ms. Vaccarella at the HCHD is very knowledgeable. Mr. Mantz should pass on this information to his clients, and they may also confer with the board chairman.

Chair Nugent stated they did not know if there were a problem with the water or would ever be, but Mr. Mantz' clients have to be aware of this.

Mr. Mantz thanked the board, and asked that he have a moment to confer with Mr. Peck.

Ms. Butula stated that the POET system would be required for this application, it would not be optional. There are known contaminants in this area, and other newly constructed homes have installed POET systems.

Chair Nugent explained the details of how this filtration system works, stating that with the POET systems, the water has been potable.

Mr. Mantz stated after conferring with Mr. Peck, that they would agree to go ahead and put in the POET system, and would discuss all details with their client.

Chair Nugent asked the board if there were any other concerns.

Ms. Taormina asked Mr. Neville to confirm that the HCHD application form was signed by the applicant, as the copies that this board had were not.

Mr. Neville stated it was not, the applicant would have to provide a signature.

There was some discussion about having the well tested.

Mr. Mantz stated they would look into it.

Chair Nugent stated its sounds as if they may not be able to test it right now, but if possible, it is important to have that baseline well test. There may be well results available from the original installation of the well. The engineer should confirm to the board that this has been discussed with the applicants and they clearly understand why the board is doing this.

Mr. Mantz stated they would be more than willing to comply. He would first speak to Ms. Vaccarella, then contact his clients.

Chair Nugent stated if those issues are addressed, there is no reason this applicant would not be on the next months' agenda.

Mr. Mantz thanked the board for their time.

Ms. Taormina suggested that if it were not difficult for the clients to come, she would recommend that they attend the next meeting.

5. Block 97/Lot 2.21– Doug Fine, PE, Bowater, Robin Way.

Escrow fees paid 5/2/07. Check #10618 \$750.00.

Mr. Doug Fine, NJ licensed engineer, appeared before the board. Mr. Fine represented the homeowner, Mr. Bowater, from 105 Robin Way. A septic system alteration design was prepared to mitigate a malfunctioning system. The house is currently under contract for sale. The soil testing has been provided to the board for a new system for the property. The testing consisted of 3 soil logs, 1, 2, and 3, all 3 indicate mottling as a sign of the regional water table. Soil log 1 @ 35", soil log 2 @ 35", and soil log 3 @ 35". A mounded soil replacement system has been designed with a pump, pressure dosing, based on a 35" water table, which necessitates 13" of select fill above grade to provide 48" above the noted water table. The permeability test was performed in soil log 3 via pitbailing, measurements were taken with a final result of 1.82"/hour which is indicative of adequate permeability for design of a disposal field.

In addition to the approval of the soil testing, the applicant is also seeking approval for the use of a pump, they are aware of the deed restriction necessary with the pump system.

Ms. Taormina confirmed that the new homeowner was aware of this.

Mr. Fine stated he mentioned it to the prospective new homeowner when the home inspection was being done.

Chair Nugent noted that the design proposed a larger 2 compartment septic tank.

Mr. Fine stated from experience over the last 10 years, they have seen that a larger 2 compartment tank does a much better job of separating out solids from liquids, generally, the usage over the years has shown this.

Ms. Butula asked if the outflow filter would be used.

Mr. Fine stated it is a recommendation, not a requirement.

Ms. Butula stated if it is used, there has to be some maintenance for the homeowner to follow.

Mr. Fine stated if it is not maintained, the homeowner will know right away. This is a 6 inch filter, it can easily go for a year before it is cleaned.

Mr. Neville stated it looks like eventually it will be a requirement to have these filters installed.

Chair Nugent noted that this filter is slightly larger than the standard 4", and plugs in the same way.

Mr. Fine stated yes, it is suitable for up to 1500 gallons/day, which is more than double what the system would see on a peak flow.

Ms. Butula asked that Mr. Bowater pass it on to the next owner.

Mr. Bowater agreed that he would.

Chair Nugent asked if the boardmembers had any other questions.

A **MOTION** was made by Ms. Sheay to approve this application for Block 97/Lot 2.21, 105 Robin Way, applicant Robert Bowater. The engineer is Douglas Fine, PE, licensed in NJ. The map title is Septic System Design for Bob Bowater, dated 4/30/07, revision 5/10/07, for sheets 2 and 5 of 8, note revised per HCHD letter 5/7/07. The professional land surveyor is David Newton. Correspondence includes two letters from the HCHD dated 5/7/07 and 5/31/07. Three soil logs 1,2 and 3 were done on 4/25/07. Soil log 1 @ 100", seepage @ 45" mottling @ 35", soil log 2 @ 84", seepage @ 80", mottling @ 35", soil log 3, @ 94", seepage @ 72", mottling @ 35". The design is based on all three soil logs with a regional zone of saturation set at 35". The permeability test was a pit bail test, PB3 done in soil log 3 date 4/25/07, depth 89", result 1.82"/hour. Ground water monitoring readings in all 3 soil logs 1 – 86", 2 – 78", 3 – 75 3/4". This is an alteration with no expansion to correct a malfunctioning system, the design will be a mounded soil replacement fill enclosed disposal bed with effluent distribution by pressure dosing using a pump. The applicant is aware that the pump system requires a deed

restriction, filing, maintenance, and reporting. This is a 1300 gallon pump tank, there is also a 2 compartment septic tank, 1250 gallons.

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

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

Chair Nugent noted the requirements of the deed restriction, considering this is a real estate transaction.

The following applicant has deferred to the July 18, 2007 meeting:

6. Block 55/Lot 21– Yager, Spillane, Hillcrest Rd.

Escrow fees paid 4/23/07. Check #6016 \$750.00.

Category B. – Subdivisions

G. ADJOURNMENT

A *MOTION* was made by Ms. Muir to adjourn at 10:13 pm, seconded by Ms. Albrecht with a vote of Ayes all, Nays, none recorded.

Respectfully submitted:

Lorraine Petzinger
Board of Health Secretary