

## READINGTON TOWNSHIP BOARD OF HEALTH MEETING

October 19, 2011

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

### Attendance Roll Call:

Christina Albrecht	present	7 - 9:20pm	William C. Nugent	present	Wendy Sheay	absent
Jane Butula	present		Tanya Rohrbach	absent	Donna Simon	present
Beatrice Muir	present					

**Also Present:** Board of Health Engineer, Ferriero Engineering, Inc. representative Joe Kosinski  
Hunterdon County Dept. of Health – Debra Vaccarella

### A. APPROVAL OF THE MINUTES

1. **Minutes** of March 16, 2011. (- Albrecht, Butula, Rohrbach vote).

*Deferred.*

2. **Minutes** of September 21, 2011. (- Sheay, Simon vote).

A **MOTION** was made by Ms. Muir to approve the minutes. The motion was seconded by Ms. Albrecht. On roll call vote, the following was recorded for approval of the 8/17/11 minutes:

Ms. Albrecht	Aye	Ms. Butula	Aye	Ms. Muir	Aye	Chair Nugent	Aye
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### B. CORRESPONDENCE

1. **HCDH LINCS** - 10/3/11 Advisory: Increase in streptococcal Illness in Hunterdon County School.

*Chair Nugent noted the increase in the streptococcal illness in the schools. The symptoms are sore throat, Fever, tender swollen glands in the neck, white or yellow patches in throat, difficulty swallowing, vomiting, an inflamed red sandpaper like rash on the throat or other parts of the body. Generally after 24 hours on an antibiotic, the illness is no longer contagious.*

2. **HCDH LINCS** - 10/12/11 Information: Influenza vaccine requirement reminder.

*Children attending organized day care are required to be immunized. There is an accommodation for parents and guardians to submit a letter requesting a medical or religious exemption.*

3. **NALBOH** – BOH Brief – October 2011.

4. **Block 63/Lot 40** - NJDEP –dated 9/26/11 – No further action letter.

5. **Suspected Hazardous Discharge Notification** letter dated 7/27/11 regarding oil heating #2.

6. **Suspected Hazardous Discharge Notification** letter dated 7/27/11 regarding oil heating #2.

7. **Suspected Hazardous Discharge Notification** letter dated 7/27/11 regarding oil heating #2.

8. **Block 64/Lot 1** - letter dated 9/28/11 regarding response action outcome.

*Chair Nugent noted that this is worthy of reading.*

9. **Letter from Williams Gas Pipeline-Transco** dated 9/26/11.

10. **NJDEP letter regarding potable well water** analyses in vicinity of the EXXON, Rt. 22 W.

*Ms. Butula asked if the County had reviewed this. Ms. Vaccarella stated yes, they are copied on the same correspondence as the BOH. Chair Nugent stated that throughout the tests performed, was noted*

*‘acceptable’ for drinking water purposes, however the results are qualified due to quality assurance/quality control issues related to the analytical method. There was specific reference to the temperature of the sample when received.*

*Ms. Vaccarella stated that residents in that area should be contacting County with concerns.*

### C. OLD BUSINESS

1. **Rabies Clinic.** – Free rabies clinic was held Sat., October 1, 2011.

*45 dogs, 36 cats, 1 ferret.*

*Ms. Petzinger stated that the clinic was successful with 82 animals being inoculated.*

2. **Readington Twp Board of Health** – letter dated 10/3/11 to The Board of Chosen Freeholders Hunterdon County.

*Chair Nugent stated that this letter was in regard to budgetary and administrative changes.*

**3. Maintenance agreement to Readington News.**

*Chair Nugent stated that it is the intention of the BOH to publish the septic maintenance information.*

**4. Letter from BOH offering assistance/advise with feral cats at residence on Lamington Road.**

*Ms. Petzinger stated that a letter went out to the current resident, and also to the property owner. There has been no feedback to date.*

**D. NEW BUSINESS**

**1. Increase in Legionnaires disease.**

*Chair Nugent noted a recent article on the increase of Legionnaires disease.*

*Ms. Vaccarella stated that legionella is endemic in the area, some people with suppressed immune systems may have a problem. Statistically it could be on the increase.*

**2. South Branch Watershed - water testing program.**

*Ms. Albrecht stated that approximately 130 kits were sold. The response for selling kits was better during the day. Residents generally had questions regarding the most important things to test for. It was suggested that they consider the area they lived in and perhaps select accordingly.*

**3. OEM/CERT exercise.**

*Chair Nugent stated that there is an exercise in the planning.*

**4. BOH member terms.**

*Chair Nugent noted that there are a couple of members coming to the end of their terms at year end.*

**5. Thank you to Readington Township for the volunteers dinner.**

*Chair Nugent extended a thank you on behalf of the board for the dinner and thoughtful gift.*

**E. APPROVALS**

**Category A. – Single Lots**

*Heard @ 7:45 p.m.*

**1. Block 74/Lot 37.03 – E. Busch, Nashed, Barley Sheaf Road.**

Escrow fees paid 5/10/11, ck#613, \$750.00.

Data mailed 7/25/11.

Previously heard 8/17/11.

Ms. Erica Busch represented Ms. Nashed before the board. This application was heard at the August 17, 2011 Board of Health meeting. Ms. Busch stated that notes 1. and 27. had been corrected and also 3. under Peat Moss Notes was added to state that the system would be inspected every 6 months. Also included was the effluent filter, the spec sheet was included in documentation to the board. The filter can be installed in any 4" PVC. Also submitted was the well water test results and documentation that the concrete unit has been approved for installation in the state of NJ, the document from Eco-Pur stating that she is an approved designer and what was submitted to get approved, and the last document was the deed restriction stating that it will be filed within 90 days of installation of the system.

Chair Nugent asked what the tank was made of ?

Ms. Butula stated that the previous tanks were plastic.

Ms. Busch stated it is concrete. There have been some problems with the plastic ones getting damaged, such as encountering large rocks during installation.

Chair Nugent confirmed that the proposed tank model number is PBF3C.

There was some discussion regarding administrative revisions.

Chair Nugent asked if Ms. Busch would be able to make the revisions to the map and submit it to the board within 5 days?

Ms. Busch stated yes, that would not be a problem.

Ms. Simon asked if it were a mandate by the board as stated in the TufTite Installation and Maintenance that the filters be cleaned every 3 years or a suggestion for maintenance?

Chair Nugent stated that that part of the mandate is covered in the deed restriction which is every 3 years.

There was some discussion of the pump system deed restriction and maintenance.

A **MOTION** was made by Ms. Butula for approval for Block 74/Lot 37.03, 1101 Barley Sheaf Road, Readington Township, 3 bedroom residence. The map is named Septic System Alteration for Block 74/Lot 37.03, Readington Township, Hunterdon County, NJ, dated 5/11/11, revisions 5/30/11, 8/18/11, prepared by Erica L. Busch, NJPE, a topographical survey by Daniel E. Parker, NJLS, and a boundary survey by Richard S. Zinn, NJLS were provided.

A report from HCDH is dated 6/8/11, from Ferriero Engineering dated 7/14/11, 9/8/11. This is an alteration with no expansion for an alternative peat moss system incorporating dual pumps, gravity dosed disposal bed. Soil testing for the primary only was done 4/14/11, soil log 1, @ 90", no mottling, no hydraulically restricted horizon, seepage 49 - 90", 24 hour seepage @ 25". Soil log 2, @ 110", mottling 57 - 67", no hydraulically restricted horizon, seepage 74 - 110", 24 hour seepage @ 12". Permeability test is pit bail 1 @ 90" on 4/14/11, 10.3"/hour; pit bail 2 @ 110", result of 2.0"/hour. Regional water is determined by soil log 2 with seepage pooling @ 12" after 24 hours.

Additional correspondence is from Eco Pure Planet Care Inc., dated 6/13/11 authorized Erica Busch as an authorized designer of Eco Pure peat moss biofilter system in NJ. Attached is a list of the approved peat biofilter systems. Engineer background check, general application and business agreement letters were included, as were a brochure from Tuf-Tite effluent filters, pamphlet from Eco-Pur, and a booklet from Planet Care with information on the biofilter wastewater treatment systems. A letter from Ms. Busch dated 6/12/11, and also testimony at the 8/17/11 BOH meeting testified that there are no wetlands within 192' of the proposed system which agrees with the iMap used by NJDEP to come to that conclusion. The dual pump is incorporated in the peat system. Two waivers applied for are for the alternative peat system and for the use of a septic system with the regional zone of saturation at 12" in soil log 2. A variance is required to allow the disposal field to be within 86' of the well. Proof has been submitted that there is 50' of casing. The deed restriction process was explained to and understood by Mrs. Nashed at the 8/17/11 meeting. A waiver is granted for the field to be within 86' of the well with the considerations that this 50' of casing and is an improved system for the property provides a far greater level of safety for the homeowner's health. The board is granting approval for the installation of the Eco-Pur peat biofilter system because they acknowledge that in light of the constraints of the property, the new system is a significant improvement over the existing one and that the new system will increase the protection of the communities health and safety and that the installation of this peat biofilter system to further treat the effluent is an additional safeguard. This and the goal of the engineer as stated at the 8/17/11 meeting will allow the reduction of the size of the mound will allow the zone of treatment to be reduced by 30". Approval is granted to install the Eco-Pur peat biofilter septic system with the following requirements. Only an authorized Eco-Pur installer may install this peat biofilter septic system, the peat biofilter septic system must be installed according to the directions provided in the manufacturers installation manual and the approved peat biofilter treatment system design. The authorized installer must notify the NJDEP 1 week prior to the installation of any component of this system and shall coordinate inspections with the DEP in addition to and all inspections required by the Hunterdon County Health Department. An authorized installer must be present at all times during the installation. The Readington Township Board of Health requires that Mrs. Nashed will record this deed restriction to the property, a notice that identifies the technology being utilized, the owners responsibility to operate and maintain the system through an appropriate service provider and grants access to the property for the purpose of system monitoring and inspection. A form notice can be obtained from the Readington Township Board of Health secretary said notice shall be recorded with the Hunterdon County Clerk within 7 days of installation. File copies of the notice shall be provided to the Readington Township Board of Health secretary and the Hunterdon County Health Department within 15 days of the filing date. There will be a modified form from the Readington Township Board of Health so that one deed restriction which will encompass the pump as part of the new technology. The Readington Township Board of Health requires Mrs. Nashed to provide to the next owner in the event of the sale of the property a copy of the deed restriction prior to entering into a contract for sale of the subject property. The Eco-Pure peat biofilter treatment system shall be covered by a minimum of 5 years fully transferrable warranty for all components

of the peat biofilter system. As part of or in addition to the initial minimum 5 year warranty the subject peat biofilter treatment system shall be covered by a renewable and fully transferrable contract which can never be canceled. The Readington Township Board of Health shall have the authority to verify the validity of same and to request and receive all relevant information from the service provider. Mrs. Nashed must provide a valid copy of the original warranty and service contract for the peat biofilter system to the Board of Health secretary at the time of issue and no later than 2 weeks after installation. Annually, Mrs. Nashed and all future property owners shall submit written verification to the Readington Township Board of Health following the initial minimum 5 year warranty service contract period that a new annual service contract is currently valid and in effect for the subject system. Annual service contracts are not cancelable. The engineer shall inspect this system at the conclusion of the installation before the backfilling is begun. The design engineer shall inspect the site 30 days after installation and ascertain proper functioning of the system. The engineer shall provide certification to the Hunterdon County Health Department and the Readington Township Board of Health that such is true, that it is functioning well after the 30 days. The service contract shall include provisions for the manufacturer or its agents to inspect the system once a year or more as recommended by the manufacturer to ensure the system was installed and is operating properly and is functioning in accordance with their specifications. The service contract shall also include a reasonable estimate of costs to repair any problems associated with inadequate function of the system. Prior to the execution of the service contract the manufacturer or his agent shall provide the property owner with a copy of the current version of guidelines for approving alterations to existing and malfunctioning systems using peat biofilter treatment systems prepared by NJDEP, this document is available on their website. It is the responsibility of the manufacturer or its agents to supply the Readington Township Board of Health with an acknowledgment signed by property owner that a copy of the current guidelines have been received and reviewed prior to the installation of the peat system. The manufacturer or its agent shall not deliver any system components until this documentation has been provided to the Readington Township Board of Health and the Hunterdon County Health Department. The service contract shall authorize the undertaking of any maintenance or repairs determined to be necessary during any inspections or as a result of observations made at any other time, however it shall be the responsibility of the property owner to assure proper maintenance and service of the disposal system and that all necessary permits are obtained prior to any repairs of the system. The service contract shall include but is not limited to the inspection of motors, air flow, effluent and measurement of sludge. An employee trained by the manufacturer shall conduct an inspection of the internal components and peat material and maintain the peat filter to insure the system is functioning properly and optimize performance. Service providers shall maintain documentation from the manufacturer that the individual performing the inspection service or other routine maintenance is currently authorized by the manufacturer to do so. Proof of authorization and training of said service provider and all training materials utilized shall be made available to the Readington Township Board of Health and the Hunterdon County Health Department upon request.

Notice for failure to renew the service contract will be directed to the Readington Township Board of Health by the service provider within 7 days from the date that that information is received by the service provider. The manufacturer or its agent shall provide on January 1, each year to the Readington Township Board of Health identifying each system within its jurisdiction the status of the service contract, the current service provider, identification of any service problems associated with that system and the manner in which they were corrected. The peat biofilter treatment must be equipped with a telemetry control panel which is attached to an internet based interface that provides continuous remote monitoring or an active phone line equipped with an autodialer to notify the authorized service provider of alarm conditions including if power to any of the system equipment is disconnected. The system shall also include a control panel that tracks at a minimum pump time elapsed, cycle counts and high level alarm counts and other means to determine flow to the system and other system information for troubleshooting. The authorized service provider or the engineer shall complete the system start up checklist from the manufacturer. This start up checklist shall be provided to the Readington Township Board of Health within 15 days of installation. This approval does not exempt the current or future property owners or their agents from the responsibility

to comply with all other applicable federal, state, County of Hunterdon and Readington Township Board of Health ordinances. Readington Township Board of Health reserves the right to take any and all necessary action to compel the property owner to cease use of the system if the property owner fails to comply with the conditions contained herein. The installation of the system will be in full compliance with the guidance document from NJDEP titled Peat Biofilter Wastewater Treatment System Guidance Document dated January 2008. Mrs. Nashed in consideration of the acceptance of the Readington Township Board of Health and other good and valuable considerations agrees to defend and indemnify and save harmless this said Board of Health in the Township of Readington and its elected officials, its appointed officials and employees from and against any and all claims and liabilities arising out of or relating to the septic system to be supplied for this project. This indemnification agreement shall be given to the Board, signed, within 10 business days. The indemnification agreement shall apply notwithstanding the actual and alleged negligence of the indemnities but shall not apply to claims or liabilities arising solely from this negligence or their negligence. The foregoing indemnification is in addition to and not in lieu of the requirement of the ordinances of the Township of Readington pertaining to the indemnification for the pump system. In addition, an acceptable potable well water analysis dated 2/25/11 was provided. The Eco-Pur company will use an effluent filter on this peat system, which requires maintenance and is part of the contract that is being signed. Ms. Butula confirmed with Ms. Busch that the aforementioned revisions should be made and 3 copies provided to the Board of Health office, and asked if she was in agreement with the motion. Ms. Busch stated yes except for in soil log 2, the water table was due to being pooled at 12", that was the static water level after 24 hours.

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

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

*Heard @ 8:45 p.m.*

## **2. Block 43/Lot 36 – Bayer-Risse, DeVries, Ten Eyck Road.**

Escrow fees paid 9/16/11, ck#2791, \$750.00.

Mr. Bill Jupinka, Bayer-Risse Engineering, licensed engineer in NJ appeared before the board. The application for Block 43/Lot 36 is an alteration for an existing 4 bedroom dwelling with no expansion or change in use. The system is 40+ years old, single tank and 25 – 30' run lateral which is not sized properly for the home. This was a real estate transaction, the applicant is the current owner. A complete renovation of the system is proposed with soil testing performed in the rear of the property, a soil log and a pit bail. Soil conditions are silt loam underlain by very permeable shale at about 4.5 – 5' below ground surface. Seepage was encountered at 70" highest, and mottling was at 62" which is the regional water table. Due to the grades and height of the system it will be a slightly raised system proposing a 1500 pump tank and a 1500 gallon 2 compartment septic tank with an effluent filter. There are no wetlands or wetland transition areas within 150' of the proposed system. There are no neighboring wells within 100' and no neighboring disposal systems within 50' of that area. The current owner is aware of the deed restriction and maintenance requirements for the pump and the effluent filter not to exceed the 3 year period.

There was some discussion of the oversized tank which was requested by the homeowner.

Mr. Jupinka stated it is a 2 compartment tank seamed in the middle.

Ms. Butula asked if the homeowner had the results of the water quality test ?

Ms. Vaccarella stated that the results would have been forwarded to the County for the property transfer, and she did not have any positives. In general, there were not any concerns in Readington Twp. in at least the past year.

Ms. Butula stated that the reason she asked is because there had been a volatile organic plume identified previously in the Willocks Ct. area which is somewhat near this street, and that the homeowner would have been made aware of any concern if indicated in the well water testing done at property transfer. The board would recommend that well testing be done periodically.

Chair Nugent noted that the Environmental Commission and South Branch Watershed does offer well water testing annually through the Township at a reduced rate, which may be a consideration.

Chair Nugent asked if there were any other questions or comments from the board.

There was no response.

A **MOTION** was made by Ms. Butula for approval for Block 43/Lot 36, 3 Ten Eyck Road, Whitehouse Station, Township of Readington, Hunterdon County, NJ. The map is entitled Septic System Alteration Design for Steve DeVries, Block 43/Lot 36, Readington Township, Hunterdon County, NJ, dated 9/13/11, pages 1 – 11 no revisions, Stephen M Risse, PE. Topographical survey by Charles Saladin Jr., 9/13/11. Boundary map by Theodore A. Hallard, 8/26/11. Report from Hunterdon County Department of Health dated 9/28/11. This is an alteration with no expansion, pressure distribution soil replacement fill enclosed system. Soil testing for the primary only was soil log 901-1, 9/1/11, @120", no hydraulically restricted horizon, no mottling, seepage 69' and below after 24 hours. Soil log 901-2, 9/1/11, @111", mottling @ 62 – 64", seepage 79' and below. The permeability test is pit bail 901-1, 9/1/11, @ 99" in soil log 901-1, results 19.8"/hour. Regional water is determined by soil log 901-2 @ 62" by the mottling. A deed restricted pump will be used in this system requiring filing with the Hunterdon County Clerk's office, and a copy returned to the Board of Health secretary within 90 days. Testimony that the applicant is aware of the deed restriction and the maintenance for the effluent filter and pump.

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

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

Heard @ 8:55 p.m.

### **3. Block 60/Lot 10 – Bayer-Risse, Bridegum, Foothill Road.**

Escrow fees paid 8/31/11, ck#846, \$750.00.

Previously heard 9/21/11.

Mr. Bill Jupinka, Bayer-Risse Engineering, licensed engineer in NJ appeared before the board. This application was previously heard last month. This is a failing system for an existing 3 bedroom home, no expansion or change of use. The property is cut through with a water course that has to be crossed to get to the rear of the property where there was positive results in the testing. A new 1,000 gallon 2 compartment septic tank with effluent filter and pump tank required to dose the field is proposed. There was a question on the location of the well because the required distance cannot be met between the septic tank and well, although the state requirements can be met. The proposed distance is 59' from the well. The well test results have been provided to the board, it meets the primary contaminant requirements. The board had requested the well casing depth, however, Stothoff was hired to look at it, but due to the construction and age of the well, it couldn't be measured because there is concrete over the well head so it was recommended that the concrete not be removed. Also because of the age and construction the well probably does not have 50' of casing. The state regulations do not require casing depth with regard to the distance to the septic tank, but it may have been requested due to the fact that the townships requirement of 100' was reduced. The homeowner has offered to put a UV filter on the well if there is a problem, but is hesitant because the well at this point is potable.

Ms. Vaccarella stated that she would agree with the well drillers assessment, the board would have an answer, but the well would have been impacted. At some point in time a UV light may have to be put on the well.

Chair Nugent asked how often the homeowner has the water tested?

Mr. Jupinka stated that the homeowner had indicated that they had taken advantage of the Townships well testing program fairly frequently. The well had been installed in the late 1960's.

Chair Nugent stated that the water tested recently was potable, and the homeowners had the water tested frequently, considering the points Ms. Vaccarella made that the septic tanks being further away would provide less of an opportunity for contamination, a recommendation might be that they test the well on a regular basis.

Ms. Butula stated that because this is less than ideal of a situation but it is a historical residence, and the home owners have been responsible regarding regular testing.

There was some discussion of having the well casing extended.

Ms. Vaccarella stated that in previous instances they may have put in packers, PVC pipe. Considering the age of the well, it may not be deep enough to do that.

Ms. Vaccarella asked what type of well pump was there?

Mr. Jupinka stated that he thought the well pump was a submersible.

Ms. Vaccarella stated that it is easier for the well driller to drill a new well, rather than extend the well casing.

Ms. Butula stated that perhaps they could include a well testing notation in the minutes.

Ms. Butula asked if there had been a statement regarding wetlands?

Mr. Jupinka stated that there are no wetlands or wetland transition areas within 150', and no neighboring disposal systems within 50', and no neighboring wells within 100' of the proposed disposal system.

There was some discussion of noticing adjoining property owners.

Chair Nugent stated that the reason for noticing adjoining property owners is to make them aware of our granting something that is different than our ordinances require. In general the reason for the ordinance is to protect the health of our residents. If we do in fact grant something that waives our ordinance and in fact granting of that could impact the adjoining property owner, then they deserve to know.

Ms. Vaccarella stated that other boards of health do not concern themselves with this. Considering that there has been a machine there for the soil testing, it would be obvious that something was going on. The agenda's are a matter of public record, the neighbors could be here or not.

Chair Nugent stated that the board's responsibility is to determine whether there is a potential impact to the property owner. Because of the design of the system and improvement over what exists today, it reduces the chance of an impact to the stream which cascades into the adjoining property.

Mr. Jupinka stated if there had been an issue or questions from one of the adjoining neighbors, it likely would have been addressed already. Since the homes in that area are so far away from each other, it probably isn't an issue and this is the best solution to the current problem.

Ms. Muir suggested the possibly of notifying neighbors after an approval, and suggesting they respond to the Board of Health office within 10 days with any concerns.

Chair Nugent stated that it seems to undermine the concept of noticing and giving neighbors the opportunity to discuss concerns in a public forum.

Ms. Muir stated that the fact is that the agenda is published on the Township website, and people have a responsibility for their own due diligence, that exonerates the board from lengthy approval and construction procedures which can actually be detrimental to the homeowners and adjacent homeowners. If there is already a public venue for discussion, it doesn't make sense to delay the decision when it could actually make the situation deteriorate.

Ms. Simon stated that it would be obvious to the neighbors that they are doing something because of the digging and testing.

Ms. Vaccarella stated that going under the stream, which was discussed at the last meeting, is a permit by rule, which indicates that the DEP has approved of this.

Chair Nugent stated the decision to be made is that failure to approve the application tonight because it is necessary to notify adjoining property owners has to be weighed against the fact that there is a known malfunctioning system in close proximity to one of the properties they are most concerned about regarding the noticing and that the risk of not giving them the opportunity to comment, against the more probable risk of the malfunctioning system contaminating their property with the effluent breaking out on the surface. Noticing is important, and a malfunctioning system with break out is important, the timely resolution may outweigh the noticing.

There was some discussion of the weather becoming a factor.

Ms. Butula confirmed that the homeowner was aware of the deed restriction and maintenance requirements.

Mr. Jupinka stated yes, they are aware of it.

Chair Nugent asked if there were any other comments from the board.

There were no further questions or comments.

A **MOTION** was made by Ms. Butula for approval for Block 60/Lot 10, 111 Foothill Road, Stanton, NJ. This is a 3 bedroom home owned by Tom and Gerri Bridegum. Testimony from the engineer regarding pg. 3 notes 1 and 2 regarding neighboring wells and septics. The map is entitled Septic System Alteration Design for Tom and Gerri Bridegum, Block 60/Lot 10, Readington Township, Hunterdon County, NJ, dated 8/24/11, no revisions, pages 1 – 12, prepared by Theodore H. Bayer, PE. Boundary survey by George Riehman, 5/26/90. Topographic survey by Charles Saladin Jr., 8/10/11. Report from Hunterdon County Department of Health dated 9/6/11. This is an alteration with no expansion for a soil replacement, fill enclosed pressure distribution system. Soil testing on the primary site 8/10/11, soil log 810-1, @ 120", mottling 54 – 66", no hydraulically restricted horizon, no seepage. Soil log 810-2, @ 120", mottling 60 – 69", no seepage, no hydraulically restricted horizon, the permeability is basin flood 810-1, 8/10/11 – 8/11/11, @ 90", passing, regional water is determined by soil log 810-1 with motting @ 54". Water testing for potability from QC Labs, dated 9/14/11 was passing. There is a deed restricted pump system with maintenance requirements and filing with the Hunterdon County clerks office and returned to the Board secretary within 90 days. There is also an effluent filter which the applicant is aware of including maintenance. There is no knowledge of the exact casing on the well but it is believed to be less than 50'. The board is proposing yearly testing for potability in light of the fact that it is unusual well construction and is relatively old. This is the best consensus for the health of the applicant. The applicant is required to perform annual well water testing and to provide a copy of the results to the Board of Health office. Three variances are requested for the distances, 1) septic tank 59' to well; 2) septic tank 74' to one watercourse or stream; 3) septic tank 85' to the other watercourse or stream; 4) septic tank to all the areas to the existing watercourse; 5) septic tank to watercourse that is less than the ordinances allow for the septic tank and pump tank in varying degrees of under 100'.

This approval is proposed on the basis that there is no other decision in light of everything presented that this is a much safer health and safety condition for the owner, applicant and neighbors. There is no other decision because this is such an improved state when finished.

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

Ms. Albrecht Aye Ms. Butula Aye Ms. Muir Aye Ms. Simon Aye

Chair Nugent Aye – clarified by the fact that in this instance the alteration to correct a grossly malfunctioning system as soon as possible is more important than the noticing.

*Heard @ 9:50 p.m.*

#### **4. Block 73/Lot 3.39 – Heritage, Hook, Clark Court.**

Escrow fees paid 10/3/11, ck# 3119, \$750.00.

Mr. Leo Santowasso, Heritage Consulting Engr., licensed engineer in NJ appeared before the board. This is an application for an alteration to an existing 2 story 4 bedroom house located on 23 Clark Court. The home is about 35 – 40 years old. They propose to use the existing tank, new baffles and gas detectors with risers to grade with cast iron lockable lid.

The property was walked by the engineer and there are no wetlands, or wetland transition areas within 150' or any wells or septic systems within 150' from the proposed system. Soil tests 1 was done to a depth of 90", there was no mottling, seepage was at 70", regional zone of saturation was 72", soil log 2 to a depth of 96", there was no mottling, seepage was at 94", regional zone of saturation was 90". Pit bail was conducted in the vicinity of soil log 1 with a result of 5.34"/hour. A letter from the County dated 9/26/11 indicates that the revision dated 9/22/11 is approved except for coming before this board for soil testing approval. It is a slight mound, soil replacement fill enclosed system with no expansion.

Chair Nugent asked if an effluent filter had been considered?

Mr. Santowasso stated that he would recommend it.

Ms. Muir stated that the homeowner should be made aware that it is not a requirement of the state as of yet. Chair Nugent asked if there were any other comments from the board.

There were no further questions or comments.

A **MOTION** was made by Ms. Butula for approval for Block 73/Lot 3.39, 23 Clark Court, 4 bedroom residence Readington Township, Hunterdon County, NJ. The map is entitled Septic System Design for David Hook, Block 73/Lot 3.39, Readington Township, Hunterdon County, NJ, dated 9/8/11, revision 9/22/11, pages 1 – 3, prepared by Leo Santowasso, P.E. Topographical was done by Patrick H Faton, Heritage Consulting. Report from Hunterdon County Department of Health dated 9/16/11, 9/26/11. This is an alteration with no expansion, gravity flow mounded soil replacement fill enclosed system. Testimony from the engineer confirms an absence of wetlands or wetland transition areas, attested to by walking the property, and all adjoining wells or septic systems are within more than 150' from the proposed disposal area. For the primary and only testing done on 8/24/11, soil log 1 @ 90", no mottling, seepage @ 70". Soil log 2 @ 96", no mottling, seepage @ 90". Permeability is pit bail 1, in soil log 1 @ 7.58' on 8/25/11, results of 5.34'/hour. Regional water is determined by soil log 1, seepage @ 70". All papers should be corrected to reflect the correct house number as 23 Clark Court. The form 2b was corrected from 70" to 72". The revised map and Form 2b will be corrected and submitted to the Board office within 3 business days.

The motion was seconded by Ms. Muir.

Chair Nugent asked if there were any further discussion or questions.

There was no comment.

On roll call vote, the following was recorded:

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

*Heard @ 10:05 p.m.*

**5. Block 70/Lot 17.27– Douglas E. Fine, Gallagher, Sunset View.**

Escrow fees paid 10/5/11, ck#6313, \$750.00.

Mr. Doug Fine, licensed engineer in NJ appeared before the board. This application is for 5 Sunset View Road, Readington Township. This is an alteration to correct a malfunctioning septic system for a 4 bedroom home with no expansion or change in use. There are no there are no wetlands, or wetland transition areas within 150' or any wells or septic systems within 100' from the proposed system. The well on neighboring lot 17.28 is 238' from the proposed septic system. Four soil logs were performed, the first two were very tight shale, soil logs 3 and 4 were performed which were used for design. Soil log 3, pit bail 3 was performed at 101", the 24 hour static water level was 78" from the ground surface when the test was completed, the excavation was extended down to machine refusal at a final depth of 118". Soil log 4 had machine refusal at 116". Some minor seepage was present from the existing septic trench within soil log 4 that was noted in the upper horizon at 24" – 36", which corresponds with the depth of the existing trenches which are roughly 30 – 36" saturated, they were getting bleed, rapidly permeable shale, a very fast pit bail with a final rate of 21.44"/hour.

Ms. Butula confirmed that the original laterals were 36", and were now tested to 116" – 118".

Mr. Fine stated yes, the pit bails were done at 101", rapid seepage.

Ms. Butula asked for a description of the very wet ponding area.

Mr. Fine stated that in the lower right corner there is a lot of surface drainage between the two properties, it is a low point with surface water from Sunset View Drive towards the rear of the property. It corresponds with the end of the one lateral, they ran a camera out and didn't believe it to be break out, the homeowners said it is a wet area. The distance from the proposed bed to that area is a little over 100'. The proposed system is a gravity with effluent filter including maintenance which the client is aware of . Chair Nugent asked if there were any other comments from the board.

There were no further questions or comments.

A **MOTION** was made by Ms. Butula for approval for Block 70/Lot 17.27, 4 bedroom residence at 5 Sunset View Dr., Flemington. The map is titled Septic System Alteration Design Block 70/Lot 17.27, Readington Township, Hunterdon County, NJ for Wayne and Janice Gallagher, 10/3/11, no revisions, sheets 1 – 11 by Douglas E. Fine, P.E. Topography survey was done by David Newton, 10/3/11, boundary survey by Terrell Essig, 3/4/87. Report from Hunterdon County Department of Health dated 10/4/11. This is an alteration with no expansion for a gravity fed soil replacement fill enclosed system. The engineer noted on page 2 of 11 was noted that there are no wetlands or wetland buffers that impact the system or wells or septic systems within 100' from the proposed system. The closest well on Lot 17.28 is 238' away. This will incorporate an effluent filter and the homeowners are aware of the Maintenance requirements. Testing in the primary area only was dated 9/26/11, soil log 3, @118", seepage 72" and below, no mottling, no hydraulically restricted horizon. Soil log 4 done to a depth of 116", seepage 24" – 36" was explained by the engineer to be caused by the already existing malfunctioning system that was at the 36" depth. There was mottling from 64 – 66", seepage 100" and below. The permeability test is pit bail 3 at 101" depth, done 9/26/11, results 21.44"/hour, regional zone of saturation determined by soil log 4 with mottling at 64".

The motion was seconded by Ms. Simon.

On roll call vote, the following was recorded:

Ms. Butula	Aye	Ms. Simon	Aye
Ms. Muir	Aye	Chair Nugent	Aye

Chair Nugent stated that Block 75/Lot 19 requested a postponement from this agenda in recognition of the length of this agenda. The discussions regarding that application have directed towards a resolution by this board authorizing their submission to the NJDEP for a TWA.

*The following application has withdrawn from the agenda:*

**6. Block 75/Lot 19 – VanCleaf Engineering, Profeta, Route 202/Summer Road.**

Escrow fees paid 5/19/11, 7/19/11, 8/10/11 Cks. # 13610, 13657, 13923 \$750.00.

Data mailed 7/25/11.

Previously heard 8/17/11.

**F. ADJOURNMENT**

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

Respectfully submitted:

Lorraine Petzinger  
Board of Health Secretary