

READINGTON TOWNSHIP BOARD OF HEALTH MEETING

April 15, 2009 7:00 pm

Chair William C. Nugent calls the meeting to order at 7:10 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:

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|--------------------|---------|-------------------|---------|-------------|---------|
| Christina Albrecht | absent | William C. Nugent | present | Wendy Sheay | present |
| Jane Butula | present | Tanya Rohrbach | absent | Donna Simon | present |
| Beatrice Muir | absent | | | | |

Also Present: Hunterdon County Health Dept.: Debra Vaccarella
Board of Health Attorney, Marisa A. Taormina, Esq. @ 7:30pm
Board of Health Engineer Ferriero Engineering, Inc. representative John Hansen

Video Presentation: “Local Responsibilities Related to National Environmental Health Priorities” (part 2)

Chair Nugent stated that this presentation is available on CD for any board member that may wish to view it. Ms. Butula commended the Hunterdon County Health Partnership for addressing the public health Issue Action IV, smoking cessation and healthy lifestyles, and various programs within the county. Readington has also been working on this, the interconnected trails, and monthly walks with the Environmental Commission to get people out. Also, cluster down zoning provides large clusters of open land for use. There was some discussion of children walking to school, and the possibility within certain areas of the township. The board also discussed the benefits of bicycling.

A. APPROVAL OF THE MINUTES

1. Minutes of February 18, 2009. (-Muir, Sheay vote). *Deferred to 5/20/09.*
2. Minutes of March 18, 2009. (-Albrecht, Butula vote). *Deferred to 5/20/09.*

B. CORRESPONDENCE

1. NALBOH – 17th annual conference July 1 – 3, 2009.

Chair Nugent asked if anyone was considering attending. Ms. Butula and Ms. Simon may be interested.

2. Suspected Hazardous Discharge Notification letter dated 3/18/09 regarding heating oil.
3. Suspected Hazardous Discharge Notification letter dated 3/19/09 regarding heating oil #2.
4. Suspected Hazardous Discharge Notification letter dated 3/24/09 regarding heating oil #2.
5. Suspected Hazardous Discharge Notification letter dated 3/29/09 regarding heating oil #2.
6. Suspected Hazardous Discharge Notification letter dated 3/27/09 regarding diesel fuel.
7. Block 31/Lot 12 - NJDEP – emergency discharge of treated ground water.
Ms. Vaccarella stated this is for the gas station on Main St.
8. HCDH – Mosquito and Vector Control Program.
9. Block 45/Lot 68 - NJDEP - no further action letter.
10. HCDH LINCS - dated 4/3/09 Information – Varicella Disease Cases Reportable in NJ.
11. HCDH LINCS - dated 4/3/09 Update –Restriction on Avail.of Human Rabies Vaccine.
12. Block 2.01/Lot 9 – letter from EcolSciences, Inc. dated 3/23/09 regarding application for and extension of LOI Line Verification.

13. HCDH LINCS - dated 3/17/09 Update – ILI week 9.
14. HCDH LINCS - dated 3/20/09 Update – ILI week 10.
15. HCDH LINCS - dated 4/2/09 Update – ILI week 12.
16. HCDH LINCS - dated 4/2/09 Advisory – Influenzae Type B in young children.

Chair Nugent stated this is to remind people of the recommendations. Ms. Butula stated that the program was disrupted because of a lack of vaccine, now they are back on track and encouraging people to comply.

17. Block 21.13/Lot 7 – letter from Amy S. Greene dated 4/6/09. (complete letter on file @ BOH ofc.)
18. Block 13/Lot 65.01 – letter from HCDH, D. Vaccarella to M. Kovonuk dated 4/2/09 regarding complaint report.

Chair Nugent complimented Ms. Vaccarella on the checkout form, and asked for an update.

Ms. Vaccarella stated she is part of the process of housing and general nuisance complaints. As part of it,

a lot of calls come in on a daily basis from people with general complaints. Previously a referral was done by a phone call, but it became apparent that a formal referral was necessary.

Ms. Butula stated that this particular situation may be a health and safety issue, and she would recommend finding out if this was followed up on.

Ms. Vaccarella stated the State Housing Code is adopted, and is in Readington Twp. Code Book, this is in the jurisdiction of Code Enforcement, not the Health Dept.

19. Hunterdon County Planning Board - letter dated 3/13/09 regarding Model Septic Management Ordinance.

Ms. Butula stated that recommendations should be made to the committee before the model ordinance is drafted.

Mr. Hansen stated that he was aware of it, this is in the beginning stages, and they would put some recommendations together if the board wished.

Chair Nugent stated that he had put forth some ideas with HCDH. The board would contact Mr. Bogen | regarding the upcoming meeting.

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

1. Septic System Repair Approval from HCHD, B 73/L 43. *No work done as of 4/9/09.*

Noted.

D. OLD BUSINESS

1. Block 72/Lot 23.01 – revised septic system design per 3/18/09 BOH meeting.

Noted.

2. New Jersey Local Boards of Health Assoc. workshop on 3/14/09 – handouts.

a) *Legal responsibilities and relations with other Governmental Agencies.*

b) *Local Boards of Health – Public Health Advocates, Policy Makers, Community Representatives And Leaders.*

c) *Public Health Practice Standards of Performance for Local Boards of Health. (avail. Online)*

d) *South Brunswick Twp. Health Dept. Guide to Local Public Health Services.*

e) *Real Causes of Death.*

Chair Nugent stated this information was distributed to the board members for reference material.

E. NEW BUSINESS

1. Hunterdon County Department of Health Orientation meeting, March 31, 2009.

Chair Nugent, Ms. Butula, and Ms. Simon attended this meeting.

Ms. Simon recapped that Mr. Beckley had hoped that the new board members would take away that it was a comprehensive county board. They play a vital role in assessment, monitoring health and diagnosing and investigating, informing, educating and empowering the county, community, and the boards of health. There are different divisions, the environmental health division – programs such as safe drinking water, retail food inspections, hazmat, facility inspections, rabies control, septic design and installation, solid waste. Something to focus on is the Public Health Nursing and Education, this is a vital and invaluable service that hopefully will continue, and that the County and Freeholders understand how incredible this service is to the people of our county. They have maternal and child health services going out to pregnant women, teens, parents, infants, nutrition and alcohol counseling, parenting, tobacco cessation education, lead and hemoglobin testing to children under the age of 6, dental programs to ineligible children. They are presently trying to work with a clinic in Morris County, hopefully some type of summit with the dentists in our county will work towards a goal of providing a dental clinic. Some other services include TB and communicable disease testing and control, public health preparedness – there is the medical reserve corps, an emergency management plan for disaster preparedness, annual flu and pneumonia clinics, HIV counseling, cancer education and coalition. The partnership for public health expands over 40 community services. The vast capabilities offered by our County are very impressive.

Ms. Butula stated the meeting was very similar to what Mr. Beckley had presented to our board in November of 2007. It may be helpful in the future if something about septic systems and soils could be compiled and presented.

- 2. Delaware Twp.** - Letter dated 3/26/09 regarding 40% reduction in the budget for Public Health Nursing services.

Ms. Butula stated that there are mandates from the state that certain services have to be provided by Public Health Nursing, it cannot be allowed that this is weakened or diluted.

A MOTION was made by Ms. Butula to go ahead and adapt this letter for our board, and send it to Hunterdon County Board of Chosen Freeholders.

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

Ms. Butula Aye Ms. Sheay Aye Ms. Simon Aye Chair Nugent Aye

Chair Nugent stated that a memo and this letter have already been forwarded to the Township Committee, and asked that Ms. Vaccarella advise Mr. Beckley of this.

F. APPROVALS

1. Block 42/Lot 18 – Templin, Bryant/Lanfranchi, Kosciusko Rd.

Escrow fees paid 2/20/07, Ck# 1645, \$500.00

Data mailed 12/5/08.

Previously heard 1/21/09.

Ms. Lanfranchi and Mr. Bryant appeared before the board.

Chair Nugent recapped that this application was before the board in January of this year.

There were a few issues identified during the hearing, Form 2b's, a question issue about the well, a soil log in which the in season ground water monitoring detected a very shallow ground water reading, it was suggested that that was due to rainfall. Additional material was requested to prove that point. Rainfall data was provided in the most recent packet.

Chair Nugent asked if the applicants had any additional input.

Ms. Lanfranchi asked if the rainfall data that was presented by their engineer was sufficient.

Chair Nugent stated correspondence from the engineer dated 2/2/09 noted that he included 14 copies of the revised site plan, Form 2 b's and rainfall data. The plans were revised to show the correct bed size. Soil logs 7 and 8 are for the proposed for the primary, and soil logs 6 and 5 are proposed for the reserve according to the latest map.

Ms. Butula stated she had a question the Form 2 b's, on soil log 7, this one is corrected to 36", would the board agree that the week of 1/20/07 was a 25"? Ms. Butula stated that she disagreed with that form, and soil log 8 in the supposed corrected one, there is a little note up higher, but the regional zone was not corrected, although it was corrected on the first two. On

the reserve, it will be determined by soil log 6, the mottling at 30", except now looking at this, we have 25, which won't be the log it will be the ground water testing that will determine the level.

Chair Nugent stated for the primary, based on soil log 8 and 7, if they were to discount the readings on March 3, 2007, then the regional zone would be set at 25".

Ms. Butula stated they have two things that they would determine by, and the log is *inaudible* by soil log 7, with ground water *inaudible* 25", so that determines the regional zone of saturation.

Then on the reserve, soil log 6 has mottling at 30" but they have soil logs 5 and 6 at 28", so that determines that at 28".

Chair Nugent stated looking at the latest submission map, if it accounts for the 25" of January 20, 2007, which it doesn't. Chair asked Mr. Hansen to look at the disposal field layout and confirm whether or not the design was based on 25" regional.

Mr. Hansen stated it is showing that you have a mounded system there, the elevation, existing grade, the water table is at 97 on the cross section. The elevation of the select fill is 97.50, that is the bottom of the select fill is shown above the water table which is consistent with the requirements of the code. It appears to be designed correctly. This would of course be confirmed by the County when they do

the actual inspection.

Chair Nugent stated it appears that the revised map does take into account the 25" depth to ground water as determined by the soil log 7 in season ground water monitoring for the primary.

Ms. Butula asked if the applicants engineer had explained the deed restricted pump system requirements.

Ms. Lanfranchi asked what the deed restriction involved.

Ms. Taormina explained the deed restriction process.

Chair Nugent recapped that what they are looking at should probably be a revision to the Form 2b to more clearly clarify that the regional zone of saturation should be 25" for soil log 7, but the bigger more pressing issue is that based on testimony from the engineer, as well as input from the county and BOH engineering firm, is whether the rain event which occurred the day before the in season ground water monitoring reading is sufficient to suggest that it was an anomaly and can be disregarded.

Chair Nugent asked Mr. Hansen if he had any input.

Mr. Hansen stated that the data speaks for itself and as always, each application is unique, and you have to go with the testimony from the engineer. That testimony has been provided, and Mr. Hansen stated that he had nothing to disclaim or discredit that testimony. The only thing that could be offered is that the total rain from 2007 vs the average rain in January, which seems to be where the 25" came from, the averages seem to be close to the same, and that may offer a level of comfort.

Ms. Butula stated that she did believe that this could happen, the variations are incredible.

A **MOTION** was made by Ms. Butula to **approve the soils testing as presented for Block 42/Lot 18**, from a map named Proposed Septic Design Block 42/Lot 18 Readington Township, Hunterdon County New Jersey, dated 2/2/07, revised 2/11/08, and 1/28/09, prepared by Robert J. Templin, licensed engineer in the State of NJ. Robert J. Templin was also the surveyor.

Ferriero Engineering reports dated 4/26/07, 11/17/08, 3/6/09. This is new construction, mounded system, For the primary area, testing was done 1/15/07, soil log 7 @ 168", seepage or infiltration @ 36" and below, mottling 48 – 72". Soil log 8 @ 168", seepage or infiltration @ 40 – 168", no mottling. Permeability test, pitbail 1 in soil log 7 @ 144" on 1/16/07, with passing results. In season ground water monitoring done from 1/20/07 – 3/10/07. Data that will not be included are levels from 3/3/07, with the explanation from the engineer that the contours of the land and that there was a great deal of rain which was substantiated by the rain data from Spruce Run reservoir for the month of March 2007. The board concluded that that was a reasonable explanation, that the levels given on 3/3/07 could be disregarded. For the day before, 1.46" of rain was recorded and resulted in changes on the next day of 3/3/07. The total for the month was 2.99" which is near the average for the month, but there was a huge amount of rain on the day/evening preceding the reading of 3/3/07, so that reading is being dropped from consideration, henceforth the soil logs highest reading in soil log 7 was on 1/20/07 @ 25", and soil log 8 @ 29" on 1/20/07, 2/24/07, and 3/10/07. The regional water level is set by the in season ground water monitoring which was designated by soil log 7 on 1/20/07 @ 25". For the reserve area, the testimony from 1/15/07, soil log 5 was done to a depth of 168", with mottling 36 – 42", seepage or infiltration 36 – 168". Soil log 6 @ 168", seepage or infiltration 32 – 168", mottling @ 30 – 46". Permeability test was pit bail 1 in soil log 5, depth of 145" on 1/16/07 with passing results. In season ground water monitoring done from 1/20/07 – 3/10/07, the same conditions explained will apply to this, the next reading that will be used is in soil log 6 on 1/20/07 @ 28", and 1/20/07 in soil log 5 @ 28". The regional ground water for the reserve is determined by the monitoring on 1/20/07 @ 28". On the document presented, the engineer testified that there are no wells and septic within 100', and that there are no wetlands observed on this property. Also received from NJ Analytical Laboratories were well test results done 12/12/08, giving negative results for bacterial, and the rest was within acceptable standards. This system involves a deed restricted pump system, including the maintenance requirements, recording and filing with the Board of Health office.

The applicants engineer is required to submit a revised Form 2b for the primary 7 and 8. The figure that absolutely designates the regional zone of saturation for both soil logs 7 and 8 should be corrected.

Chair Nugent confirmed with the applicants that they were fully aware of what had been done.

Ms. Lanfranchi stated that she understood that approval was given pending that within 48 hours

of Board of Health contact, Mr. Templin would make the required revisions.
Ms. Butula stated that Ms. Lanfranchi had represented Mr. Templin very well this evening.
This *motion was seconded* by Ms. Sheay. On roll call vote the following was recorded:
Ms. Butula Aye Ms. Sheay Aye Ms. Simon Aye Chair Nugent Aye

The following applicant was not in attendance at the Board of Health meeting.

2. Block 80/Lot 1 – Hatch Mott MacDonald, Readington Twp., River Ave.

Application submitted 10/2/07.
Data mailed approx. 11/7/07.
Previously heard 11/21/07.

3. Block 39/Lot 62 – Biggs Engr., Stowaway Self Storage, 3537 Route 22

Escrow fees paid 3/31/09, Ck# 16117, \$3,000.00

Mr. Jess Symonds, Biggs Engineering, NJ licensed engineer appeared before the board. This application is for an existing facility constructed in about 1981 with a holding tank and no disposal system. The holding tank is about 1,000 gallons, and is pumped about once every 3 months. Since the tank is 28 years old, located under the pavement in front of the building, it has developed cracks, and would need extensive repairs to continue as a holding tank. The applicants choice was to construct a new disposal system with a new disposal bed. Four soil logs were conducted on site for both the primary and reserve areas, water monitoring was done to be on the safe side. The results of the soil logs and basin floods were good, with excellent permeability in front of the site, where they are proposing to put the disposal system. Reserve area testing was done in the rear of the site. The system is designed on the flow rate of 350 gallons/day (sheet 2) per HCDH. There is 850 sq.ft of office, .125 gallons/sq. ft. would yield 100 gallons/day. The proposal is a new septic tank, new pump tank and a new disposal bed. The existing holding tank will be crushed and backfilled with flowable fill. The site is served by public water. The existing well on site will be sealed.

Chair Nugent confirmed that there would be no expansion.

Mr. Marty Herman, Stowaway Self Storage introduced himself and stated that they were at total capacity, there was no additional room.

Chair Nugent asked if the water service would be rerouted.

Mr. Symonds stated that is a possibility, a mark out of the service was not available, so there is a potential that it may have to be relocated.

Chair Nugent confirmed that the setback requirements, sleeving, and sealing requirements would be met.

Mr. Symonds stated that they were aware of the requirements.

Chair Nugent stated regarding the reserve area, it looks to have a couple of problems.

Mr. Symonds stated the reserve area to the rear of the site looks to have been somewhat disturbed at the construction, but it is hard to tell. There are no clear indicators since the topsoil was stripped. The mottling probably occurred because the fill was transported and compacted. The best definition was a hanging water table that was defined in frequently asked questions by DEP guidance documents, best defined as a hanging table. The variation in the water readings went from 112” – 122” which isn’t unusual for that time of year.

There was some discussion of disregarding the reserve area data.

Ms. Butula asked why and LOI was applied for in 2001, and shouldn’t that have prompted the question of an expansion without even having a septic system.

Mr. Herman stated there are wetlands 1000’ to the rear of the property, and an application for two additional units probably prompted that. The expansion part was on a separate lot.

Ms. Vaccarella stated that a lot line was eliminated and the board was not asked to comment on that, and at that point in time it could have kicked in. This is more of a communication question than an accusation of how did this happen.

Ms. Butula stated at that time you would have had to had a primary and reserve due to the expansion. There was some discussion of the hook up to Elizabethtown water in 1988.

Mr. Herman stated the existing well was not used again, perhaps they intended to use it for irrigation, but it was not used.

There was some discussion of not using the reserve area and only approving the primary.

Ms. Vaccarella stated you can't ignore the fact that there was soil testing, applicants in the past have given that information even though it is not for design purposes, in this case the primary can be approved and in the reserve area the applicant has the ability to come in should the primary fail, and get board approval to use that, and request a waiver of the fact that they have within 24".

Ms. Taormina stated that you have to look at the data as it is presented in 2009, not what the intentions were or weren't in 2005/2006. The board is not responsible for the issues from the past.

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

There were none.

A **MOTION** was made by Ms. Butula to **approve this application for the soils testing** as presented for Block 39/Lot 62, 3527 Route 22, Stowaway Self Storage, map named Septic Design for Stowaway Self Storage LLC, Block 39/Lot 62, Readington Twp., Hunterdon County, NJ, dated 1/20/09 prepared by Jess H. Symonds, NJ licensed engineer. The surveyor was Glen J. Lloyd, 1/19/05, revision 6/5/06, 1/22/09. Reports from Ferriero Engr. Dated 3/13/09; from HCDH dated 3/13/09. This is an alteration with no expansion for an updated facility, a gravity dosed soil replacement fill enclosed system. The primary done 1/13/09, soil log 1 @ 144", no mottling, no ground water and no hydraulically restrictive horizon, soil log 2 @ 144", no mottling, no ground water and no hydraulically restrictive horizon, permeability test basin flood 1 done @ 108", 1/13/09.

In season ground water monitoring was done 1/16/09 – 2/16/09, 145", dry. The existing well is to be sealed by a certified well driller, receipt is to be delivered to HCDH and this board.

An LOI dated 8/2/00, case # 1022-0005.1. There will be a pump involved with the deed restriction and maintenance requirements. There were soil logs included for a reserve area, soil logs 3 and 4, and also ground water monitoring. This board is not approving that data at this time. In the future if a reserve system is required, the applicant must come before this board again.

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

Ms. Butula Aye Ms. Sheay Aye Ms. Simon Aye Chair Nugent Aye

Mr. Herman and Mr. Symonds thanked the board.

4. Block 14/Lot 37 – ACT Engr., Lynch/Ireland, Clark Lane

Escrow fees paid 1/23/09, Ck# 178, \$750.00

Data mailed with 1/21/09 packet.

Mr. Doug Fine, ACT Engr., NJ licensed engineer and Ms. Bernadette Lynch appeared before the board.

Mr. Fine stated Ms. Lynch is the next door neighbor and realtor, and is handling the estate for Ms. Ireland.

This is a two bedroom house currently served by a cesspool with 1 lateral. There is no functional capacity in the cesspool, a septic alteration is proposed. The property is 100' X 220", about ½ acre with an existing well. Soil logs and permeability tests were performed in an attempt to design a system 100' from the well in addition to being 100+ from neighboring wells, conditions which they were able to meet. Percolation tests were provided due to the character of the native soil. They do not have any non-soil, it is essentially all clay loam soils. One of the percs did not drain, resulting in

> 60 min/inch, the second perc was performed in soil log 2 @ 69", result 55 min/inch. Due to the slow nature of the native soils, the slow permeability, a design was prepared based on the slowest permeability rate of K1, a peat moss biofilter would provide the treatment with the water prior to discharge into the disposal field. An open bottom peat moss system is used because there are no issues with a high water table, this unit is suitable for up to 500 gal/day on a treatment level. This is a 2 bedroom home, the system would only expect to be at 350 gal/day, treatment is in excess of design flow.

Chair Nugent stated this township is very new to peat moss systems, and asked why it is proposed for this system?

Mr. Fine stated they are proposing a peat moss system because they want the water to be as clean as possible prior to discharge due to the slow permeability, because they are on the cusp of K0 permeability with 1 perc test, for all

intents and purposes classified as K0, the other just above K0 as a K1 at 55 minutes/inch. They are proposing to get the water as clean as possible prior to discharge, the disposal field is adequately sized in order to utilize as much area as possible with a high level of treatment. The sizing was commented on in Ferriero's letter, specifically if they were to do a soil replacement conventional system with select fill, they could actually design the system smaller than what is proposed with a higher level of treatment. This is engineered the best possible working with what they have, hence the choice of the peat moss treatment.

Chair Nugent confirmed that what the engineering firm is looking at is that the quality of the effluent coming out of the peat moss module will be improved in a way that will allow it to percolate through the very slow permeable soil better than what would come out of a normal conventional septic tank.

Mr. Fine stated the normal septic tank effluent is very dirty, a lot of suspended solid particles, and they will be removed with the biofilter so that the clarified liquid, the treated effluent, is what is being put back into the sand that is proposed under the unit and to move laterally through the existing soil.

Chair Nugent stated they are familiar with the closed compartment modules, but an open bottom module is something new. What about the design prevents the peat moss itself from getting out of the module and clogging up the field that they are trying to prevent by having cleaner effluent ?

Mr. Fine stated the peat moss itself doesn't leave the bottom of the unit, the intention is that in the cross section (see sheet 3 of 12) within the disposal field section view, on the right hand side is peat unit inlet invert, just below that is a call out for the filter fabric. The filter fabric is placed on top of the clean stone, gravel, and then the open bottom unit is placed on top of the filter fabric and the peat moss is then installed.

Chair Nugent confirmed that Mr. Fine was referring to the map dated 11/20/08 with a revision of 2/6/09.

Mr. Fine stated that is correct.

Ms. Butula asked what the life of the filter is ?

Mr. Fine stated approximately 8 years, that is based on Premier Tech's data, they replace their peat moss.

The filter fabric is a geotextile, nonwoven fabric.

Chair Nugent asked Mr. Fine to explain what waivers were requested.

Mr. Fine stated that what they were looking for from the board, was 1)approval of the use of the peat moss technology, 2)the requirements that come along with the peat moss system of having a maintenance contract for the life of the system, 3)the deed notice that goes with the property forever, 4)the reporting constraints on that, to report to the board and HCDH, 5)a waiver because essentially there is only one passing percolation test, where the code requires two. That waiver is sought because it is an existing system to correct an alteration, this is the only spot that meets code for setbacks from the neighboring wells and existing wells on site. 6)the locations of the proposed septic and pump tanks do not meet the township ordinance of 100' from a well, but they are proposed at 59' from the well which is in excess of state requirement of 50' 7)the use of a pump in the design. In the letter from HCDH dated 1/7/09, #15. "the board needs to accept the sizing of the disposal field based on the DEP guidance document of .2596 sq. ft. per gallon/day, not the Readington Twp. Ordinance of 1.61 sq. ft. per gallon/day ", should be corrected to 2.596.

The proposed system is in excess, and shouldn't need to be acted upon. Ferriero pointed out that they exceed the minimum conventional size and criteria.

Ms. Butula confirmed with Ms. Lynch that she understands this is not a conventional system and if and when a motion for approval is made there will be at least 20 requirements connected with this, involving installation, supervision, maintenance, recording and reporting requirements.

Ms. Lynch stated she understood there is an annual maintenance contract and the pump requirements.

Chair Nugent asked regarding the existing well, about the regular requirements.

Mr. Fine stated a test by Nelson Analytical dated 10/23/08 in its current state notes the distance as 53' from the existing cesspool. The resulting test for coliform was safe, passing.

Chair Nugent asked if the well casing were easily accessible for testing the depth.

Ms. Lynch stated it is marked, but its 4' down.

Chair Nugent asked regarding the failed perc test, 1 was on the end of the bed, 1 is in the middle that failed, section 6.4F1. of the code says that if a perc test fails and there is no triple replicates, the system shall not be approved. This applies to new construction. If they felt that that is not appropriate for new construction, how do you know it is going to work for this alteration ?

Mr. Fine stated they are deeper, the 60 min/inch test was done at a depth of 53", and the passing was done at 59", so the depth of this disposal field was taken below the 53" to 69".

Chair Nugent stated you are contending that the reason the one test failed is because it was in a horizon that was less permeable than what was below it.

Mr. Fine stated there are variations in permeability with depth, although it is considered to be the same horizon. The passing vs the non-passing weren't that far apart.

There was some discussion on who would install the system.

Mr. Fine stated that ultimately he would be the one that signs off on the system, and as built.

Chair Nugent asked that a copy of the well test be forwarded, and the well casing depth be considered.

Mr. Fine stated that he believed the cost of determining the depth of the casing would be better applied to installing an ultraviolet unit.

Ms. Lynch stated an ultraviolet system may indicate a problem, and there is no problem.

Ms. Butula stated there is a plume in town, and some residents have installed a filter/treatment system.

Chair Nugent stated regarding noticing requirements, normally the adjoining homeowners are noticed regarding waivers. That topic should be reviewed in the future.

Chair Nugent asked if there were any other questions.

There were none.

G. ADJOURNMENT

A *MOTION* was made by Ms. Sheay to adjourn at 10:43 pm, seconded by Ms. Simon with a vote of Ayes all, Nays, none recorded.

Respectfully submitted:

Lorraine Petzinger
Board of Health Secretary