

**Minutes of the Carlisle Board of Health
July 10, 2012**

Present: Board members Jeff Brem (Chairman), Bill Risso, Catherine Galligan, Donna Margolies, Vallabh Sarma; Linda Fantasia (Agent), Rob Frado (TCG), Cynthia Sorn (Mosquito)

The meeting was called to order by vice-chairman Risso at 7:00 pm. at Carlisle Town Hall.

BILLS – there were no FY 12 or FY13 bills. Payroll changes were approved by the Personnel Administrator.

ADMINISTRATIVE REPORTS

Region 4A Executive Committee – Fantasia was re-elected for another term. There are now two representatives of small communities (Carlisle and Sherborn) on the EC.

CHNA15 Award - \$4956.40 to do a public service announcement on how to do a tick check. Three production companies are interested. A portion of the grant will also be used to create signage for the state and local parks. Steve Carlin, Park manager, wants approval of the sign. The LD Subcommittee will help to develop messaging. The Board noted that non-residents may not be aware of the dangers of ticks. Efforts should be made to educate out-of-town visitors. (Brem arrived). It was suggested that the Boy Scouts could help build the kiosks. A program for the general public is scheduled for 4/24/13. Emerson Home Care will also do a tick check demonstration for seniors sometime in the fall.

HAM Radios – Carlisle has received a third set because it is one of the communities with an active radio group. The group plans on testing its equipment in the fall to check coverage without the repeater at the school. This will count as a communication drill for Carlisle. (Brem took over the chair).

Town Hall Study – Fantasia presented the Board with notes from her interview. Overall the interview was disappointing. It ran late and did not address items that were sent out in the preliminary request. A lot of time was spent explaining the agent's duties and board's responsibilities. There are written job descriptions and an annual report. Risso represents the Board on the steering committee. He agreed to bring the comments. A lot of the discussion involved regionalization and how the town pays for services. Some of the questions did not relate to Carlisle. Fantasia explained how a group of communities are working together to obtain outside funding for health programs. This is a form regionalization without formally regionalizing.

Sharps Disposal Brochure – Galligan prepared a brochure that was distributed at Old Home Day. An updated version was prepared under her current DPH/UMass Lowell program. Collection activities are still being evaluated. Carlisle will offer a collection at the hazardous waste collection. Mail back containers are available at some pharmacies. Concord has a list of local ones on its website. The Board agreed to print additional copies of the brochure which is in color. It was suggested to use a color printer at town hall and replace the cartridges. The Board does not have a color printer. The information is available on the town website. The Board was voted \$2000 to work on public health issues at town meeting. The Board would prefer to keep the money intact for larger projects. The Board thanked Galligan for her work on the brochure which is very informative and attractive.

After Action Report (AAR) for the 2011 Senior Flu Clinic – the Board reviewed the report which was prepared by the Region 4A Planner. The flu clinic was used to test planning for an emergency dispensing site. Although vaccinations were administered by Emerson Home Care, MRC volunteers were used for registration. Traffic flow signs were used and the nurses implemented the travelling vaccination plan by visiting homebound patients. The overall report was very good with a few recommendations for improvement. The Board will forward the report to the Selectmen. The Board asked who keeps vaccination records. Since Emerson gave out the vaccine they are responsible for maintaining the records. The AAR is one of the deliverables required by the state this year.

Contracts – Public Protection Specialists (PPS) has agreed to keep the same rate with a 3-year contract. They will submit an original contract. Brem asked whether the consultants are special municipal employees. Fantasia will check with the town administrator. Phelps Food Service submitted a 1 and 3 year contract. The rate will increase the

first year but then remain the same. Fantasia noted that Randy Phelps does not track every phone call or email. The Board and licensees have been very pleased with his services. Galligan suggested that the Board review its fees prior to the next calendar year.

It was moved (Risso) and seconded (Galligan) to approve a three year contract with Phelps Food Service Consultants contingent upon verifying the status of the consultant as a special municipal employee.

The Board signed the contract but it will not be released until the certificate of insurance is in place.

Rabies Testing – a resident asked to have a bat found in the home tested. Fantasia said there was some confusion over how to submit the bat. It was submitted live per instructions from the state lab. The resident was not allowed to bring it to the lab. The Board's assistant paid for the shipping and needs to be reimbursed. According to protocols from the state issued last year, all specimens should be euthanized prior to submittal. Fantasia is concerned about the conflicting instructions and who is responsible for submitting the animal. The Board oversees the Animal Inspector but the Police Dept manages the Animal Control Officer (ACO). They have a budget for this. Fantasia suggested meeting to go over the procedures. The Board agreed that the shipping costs should come out of the ACO budget. Fantasia noted that the same property made the same request last year. Owners are advised to hire an exterminator to prevent access to the house.

PH 36 LOG HILL ROAD – replacement of a failed soil absorption system requiring local waivers on setback to wetlands and separation from groundwater.

Present for the hearing was Jeff Hannaford of Norse Design Services, Christopher Riddick, owner and Charles Leftwich, abutter. Proof of abutter notification was submitted and accepted. The hearing was opened.

Hannaford explained that a permit was issued in 2007 to replace the failed system. It was a conventional four trench system. The property is surrounded by wetlands. The best location for a leaching field is in the front yard. The well will need to be relocated. The existing leaching pit is only 15-20 feet from wetlands and therefore not a viable site. The proposed design is a Perc-Rite drip dispersal system. The tanks will be located in the rear yard and pumped to a leaching area in the front because of the plumbing. Local waivers are needed for the required (100') distance to wetlands for the leaching area, (93') and (97') provided. Waivers are also required under Title 5 Maximum Feasible Compliance for the separation from bottom of leaching area to groundwater that varies from the required 4.0' to 3.0' and from the required (25') distance of pump chamber to wetlands, 20' provided. The new well will be 100' from the leaching area. The property is in the 100 year flood plain according to FEMA maps. The pipe to the leaching area will be solvent welded. The piping comes with the Perc-Rite unit package. Solvent welded lines can be used in the buffer zone. Brem said he would prefer gasketed lines if possible. Hannaford agreed to check with the vendor. The design will eliminate the need for a retaining wall in the front yard. Hannaford said he has designed a Perc-Rite system in Westford which has had no problems. He understands it is a new technology for Carlisle and described how the system operates. He is unaware of any failures with this technology. He is licensed by Oakson, Inc., the vendor to design these systems. The leaching area is 432 sf; 429 sf is required. The owner is aware of the maintenance cost. The Board discussed how a power failure would affect the system. Since all water supplies are dependent on private wells in Carlisle, if the pump does not operate there is no water usage. Hannaford also explained that the system is not constantly in operation, but alternates. There is also 24 hr storage in the pump chamber. Hannaford went over the tank buoyancy calculations to the Board's satisfaction and assured the Board that winter conditions do not affect the system function. Design engineers have been surprised at how well these systems are working. Homeowners need to understand that they cannot plant or build over the lines. Hannaford said the original design had an Order of Conditions which is still valid. They will be meeting next week with the Conservation Commission to request an Amended Order.

Frado asked about placing the impervious barrier 2.0' off the leaching area. Title 5 requires 10'. Hannaford said he spoke with Oakson who has used this offset at other sites. Hannaford provided the Board with DEP's policy on impervious barriers. Frado pointed out that Title 5 is a regulation and should supersede a policy. Risso felt the 2' offset would be adequate because of the location. Frado said the bed and barrier must be staked by the engineer. The Board agreed he should inspect and approve the barrier which will be installed before the bed is excavated to make sure it has the minimum 2' offset.

Leftwich lives at 24 Log Hill Road. He asked if having two systems close together would be a problem. The Board said distance between a septic system and a well is more of a concern. Hannaford said he had checked the well location at 24 Log Hill Road in 2007 and it is more than 100' to the proposed leaching area. Galligan asked how quickly the system would be installed. The Board is requiring monthly well testing and quarterly tank pumping. Riddick asked about appeal period. Board of Health waivers do not have an appeal period. Conservation has a 10-day appeal. The Board wants the well driller reminded that the well cap must be 2.0' in height because of its location in the flood plain. The Well Inspector will be notified. There were no other questions.

It was moved (Risso) and seconded (Margolies) to close the public hearing. Motion passed 5-0-0.

Based on the information presented at the hearing, the Board agreed to approve the following waivers for plan entitled "Subsurface Sewage Disposal System, 36 Log Hill Road, Carlisle, MA, map 5, block 42 Lot 7a, prepared by Norse Design Services Inc, dated 8/27/07 revised 7/2/12:

It was moved (Galligan) and seconded (Risso) to vary the requirements of the Carlisle Supplementary Sewage Disposal Regulations 15.211 Distances of leaching area to wetlands, 93' and 97' provided, 100' required. Motion passed 5-0-0.

It was moved (Galligan) and seconded (Risso) to vary Title 5 requirements under Maximum Feasible Compliance (310 CMR 15.405(1) (e) for distance between pump chamber and wetlands, 25' required, 20' provided. Motion passed 5-0-0.

It was moved (Galligan) and seconded (Risso) to vary Title 5 requirements under Maximum Feasible Compliance (310 CMR 15.405(1) (h) for Depth to Groundwater, 4.0' required 3.0' to 4.0' provided. Motion passed 5-0-0.

It was moved (Galligan) and seconded (Risso) that approval of the construction permit is conditional upon the following: the 40 ml polybarrier will be staked by the design engineer and installed before the excavation and filling of the bottom of the bed; and the supply and return lines will be gasketed if technically feasible, otherwise solvent welded. Motion passed 5-0-0.

820 CONCORD STREET – replacement of a failed soil absorption system with a Perc-Rite I/A system.

Design engineer Steve Poole appeared before the Board on behalf of former owner Russ and new owner Jacobellis. The property is located off Concord Road. Because the design is using a drip dispersal technology, the Board wanted to review the plan. Poole said there will be 1250 sf of drip irrigation. The design calls for 165 gpd for a five bedroom house. The existing septic tank will be kept because it is under a deck. A second tank will be added. There are no wells less than 200' from the proposed leaching area. The well on the property is more than 100'. The bed will be slightly raised. The applicant chose the technology to avoid a mounded system. The Board questioned the size of the lines, noting conflicting information on the plan view. Poole will check this and revised if necessary. The system will not have a garbage grinder. Brem said he would still like to have the plumbing labeled. Fantasia noted that the floor plan showed a four bedroom, eight room house. Poole said the owners are thinking of adding on. The Board noted that since the existing system has a four bedroom capacity, enlarging the system makes it new construction. This requires high water testing which was not done. The Board agreed that the owners could build the proposed system even though it would be oversized. The question of new construction would not need to be addressed until building plans were submitted. The Board could decide what action was needed at that time. The Board agreed to approve the proposed I/A design. The approval letter will include information on what steps to take if the owners decide to add on at a later date. A revised plan addressing the technical deficiencies must be submitted prior to release of the construction permit.

BENFIELD HOUSING DEVELOPMENT- present for the discussion was Toby Kramer of Neighborhood of Affordable Housing (NOAH), Mark Beaudry of Meridian Engineering, Elizabeth Barnett (Housing Coordinator) and Greg Peterson (Housing Authority)

The project received approval for funding from Housing and Community Development in May. The Comprehensive Permit was issued by the Carlisle Zoning Board of Appeals in 2010. The project is now on a tight schedule and a final budget needs to be submitted to HCD in December. It is expected that the project will be completed within two years. The project involves 26 units of elderly rental housing. There will be 17 one bedroom and 9 two bedroom units. The property address is 575 South Street. The purpose of the meeting was to provide the Board with an over view of the preliminary designs prior to submitting a final plan. Beaudry went over some of the details of the design: the design had been peer reviewed for the ZBA by Judith Nitsche Inc during the ZBA process and those recommendations have been incorporated; testing for the site was witnessed by Rob Frado; the design utilizes a Presby Enviro-Septic Leaching Area for the field; the design also includes a nitrogen treatment system since the overall capacity is greater than 2000 gpd. According to a groundwater mounding analysis from Geo Hydrocycle this will result in a 5 mg/l of nitrogen limitation at a radius of 428' from the leaching area. The Zone I of the public water supply is estimated to be around 189'. The tanks will be located close to the building. A force main will pump wastewater to the leaching area on Lot 4. The plan calls for a 25,000-30,000 gallon fire cistern which can also be used for firefighting in the area. There will be an 8000 gallon domestic water storage tank. Based on the sewage design flows of 3900 gallons per day this should provide more than enough additional capacity for the domestic water supply. The fire cistern will be supplied by a separate private well. The developer agreed to keep the tank (domestic and fire suppression) separate for safety reasons. The fire well is under the Board's jurisdiction. Kramer hopes to start construction in the spring.

Beaudry explained that the nitrogen loading calculations and groundwater mounding were measured using the Han Tush and Frimpter methodologies which the Board found acceptable during its preliminary review. The Board was originally concerned about the grading over the leaching area. Beaudry said the mound is only about six inches above existing grade. The system is basically in the ground. The Board noted that groundwater was very deep in the area which helped.

No decision has been made on the type of nitrogen reducing I/A, but Beaudry is leaning towards a Micro-FAST system because it can go under pavement. The blower will be remotely located away from the building to muffle the sound. It is not the cheapest system but overall a good choice. The Board asked whether the system requires a certain demand to function. Beaudry said they are looking into this. He does not expect it to be a problem. NOAH expects full occupancy to happen quickly. It is not a phased project. If only one or two units were occupied there would be sufficient holding capacity. Meridian is willing to work this out with the Board. At the Board's request an equalizer tank has been included even though the system is pressure dosed. A reserve area has been added to the design. NOAH is in the process of choosing a consultant to do the PWS permitting with DEP. This includes a site approval and pump test. This may take 3- 4 months. The Board offered to help with the PWS DEP permitting. NOAH and Meridian have already had some discussions with Jim Persky of DEP. They expect to drill to about 800' and expect a 10-15 gpm production rate. Brem reminded them that the water and sewer lines require separate trenching. Brem recommended gasketed lines. System vents will be located near the stonewall so they are unobtrusive. The wall will not be disturbed.

The Board will review the fee structure. Peterson said the Selectmen have arranged for a special town counsel to help stream line the process. Kramer asked about ongoing conditions that might have a cost associated with them. The system will be owned by the Town of Carlisle???. NOHA will have a ground lease. The Board discussed the need for guarantying funding a future replacement. There are ways of estimating these costs. Beaudry agreed to put some numbers and a proposal together for the Board's review. The Board noted that the system will require regular pumping and a Title 5 Inspection every three years. The access road to the septic field and well will be temporary. They will be allowed to grass over but still be accessible. The Board asked about a site walk to familiarize new members with the project. NOAH will arrange one. The Board discussed whether it needed to revoke the waiver it had granted once a formal application is submitted. Fantasia will check with the Town Clerk. Board members would like copies of the plans and Frado's review in advance of the meeting. Since there are new members on the Board and it is a complicated design, Beaudry will provide pdf's for the Board. There was no other discussion. The Board thanked the presenters and agreed to work with the planners to help expedite the process. Beaudry did not have a set date for submitting the plan.

Phelps Food Service Contract – the Board signed the three year agreement. The rate will remain the same for this period. Proof of insurance is required before the contract is finalized.

Lyme Disease Subcommittee – Joan Parker cannot continue but would like to stay involved. The Board received an application from Natalia Evgenov, M.D. The Board reviewed the letter of application and agreed Dr. Evgenov would make a good addition to the Subcommittee.

It was moved (Risso) and seconded (Galligan) to appoint Natalia Evgenov, M. D. to the Lyme Disease Subcommittee. Motion passed 5-0-0.

Gleason Library - The Board reviewed four cost proposals submitted to the Library by Stamski & McNary: (1) Repair existing tank and pump chamber, which the engineer does not recommend; (2) Replacement tanks in existing location at a cost of \$30,000. This results in the tanks having more than 3' of cover or possible puddling if the cover were reduced; (3) Tie into the School Treatment Plant for a cost of \$73,000. This is problematic due to the complicated permitting process required; (4) Replacement of tanks nears the building for a cost of \$32,000. This would keep the tanks higher reducing the likelihood of infiltration and would keep the tanks farther from the wetlands. It would require more disturbance to the parking lot. According to an email from the Library Director, the Trustees were in favor of Alternative 4. They are willing to meet with the Board to discuss this further. Brem said he would prefer to find a more permanent solution such as tying into the School's WWTP. There may be state revolving funds that could be used. The Board noted that the SRF is a loan that would need to be repaid. Brem said that although it has a higher upfront cost, it would eliminate the ongoing maintenance costs of a Title 5 system. Fantasia was asked to look into possible funding mechanisms.

Administrative Assistant Hours – the Board agreed to return to 15 hrs per week since the position has been fully funded for FY13. Eight hours are paid from the operating account, and seven hours from the revolving account. Lyman is also working part time for the Conservation Commission until their assistant returns to work. The maximum hours per week cannot exceed twenty between the two positions.

There was no further business. Meeting voted to adjourn at 10:05 pm.

Respectfully submitted,

Linda M. Fantasia, Recorder