

MINUTES

PRESENT: J. Burke
M. DeSapio
T. Kratzer
R. Phillips
S. Stryker
J. Kopen, attorney

ABSENT: J. Golden

CALL TO ORDER

The meeting was called to order at 7:34 PM by M. DeSapio.

NOTIFICATION

In order to ensure full public participation at this meeting, all members of this Board, and members of the public are requested to speak only when recognized by the Chair so that there is no simultaneous discussion or over-talk, and further, all persons are requested to utilize the microphones which are provided for your use by the Township. Your cooperation is appreciated.

Notification of the time, date and place of this meeting has been published in the Hunterdon County Democrat, Courier News and has been posted in the Kingwood Township Municipal Building at least 48 hours prior to this meeting and has been filed with the Municipal Clerk.

NEW AND PENDING MATTERS

Block 26, Lot 16 – 102 Featherbed Road – Septic System Alteration

T. Bayer of Bayer Risse Engineering was present on behalf of the applicant. The property is located on the north side of Featherbed Road. The applicant is the original owner of the property. There was a high water level in the disposal bed. It is a three bedroom home. The property is a 30 acre flag lot on Featherbed Road. The existing septic system is on the south side of the property. The site is fairly well encumbered by environmental constraints. It is tree lined and contains a pond. There is an existing water course on the property. The water course is categorized as Category 1 stream which discharges into the Lockatong Creek. There are wetlands of exceptional value associated with the stream. The original septic system was approved by this Board and as such, the applicant was unable to have the alteration design approved by the Hunterdon County Health Department. Sheet 4 is a close up of the area and what the applicant is proposing. They have excavated some soil logs. He performed soil logs 1, 2 & 3 in areas outside of the 150' transition area of the wetlands. There was shallow refusal in every one of the logs. There was shallow mottling in all of them which is indicative of a high water table. They excavated next to the existing disposal bed. They were able to excavate down to 92". The mottling was deeper than in the other soil logs. The system was not designed to account for the high ground water in the area. Mottling was at a depth of 42". The proposal is to reconstruct the existing disposal field. It is currently 32' wide and 80' long. In 1986, the designs did not mound up the systems. The new design proposes to mound it and construct a pressure distribution network inside on top of the select fill. The mound will be between 3.4' and 3.8' above the existing ground surface. The two tanks will remain. It will be a gravity flow system with a pump tank to the distribution system. The existing disposal bed encountered hard rock of approximately 48 sq ft which required an 8 x 10 extension of the system. The proposed system will continue to have that extension at the east end of the bed. The system will have 1.25" laterals at 3.9" centers. The proposed system will be taking the existing system, reconstructing it and raising it up. The application will require a GP25 permit from the DEP for the transitional areas. They are not proposing

to get any closer to the Category 1 stream. The design meets the setbacks from the well and property lines. He stated the home inspector televised the laterals and noticed some areas of water. He dug down and the stone was clean. He stated over the last 25 years the select fill has been bound off. The original design was appropriate for that time. He knows it works there and there is some permeability. The removed select fill will be disposed of on site. The pump tank is designed to provide a reserve capacity of 685 gallons, which is sufficient for a 4 bedroom home. There is a high level alarm and the system contains a one day reserve capacity. Because the proposed system is a pressure distribution system, the size of the field is reduced. There is 2' of select fill buffer around the gravel. The soil logs were done on January 13, 2011. The elevation of the system is at a lower level than the pond. There was a clean out at the elbow recently installed.

It was moved by J. Burke, seconded by M. DeSapio and carried to approve the above referenced alteration. All members present voted **AYE** on **ROLL CALL VOTE**.

Ordinance No. BOH – 01 – 2011 – An Ordinance Amending Chapter 153, Article 1, “Individual Subsurface Sewer Disposal Systems” of the Township of Kingwood – Introduction and Adoption on First Reading

M. DeSapio read the ordinance by title.

It was moved by J. Burke, seconded by R. Phillips and carried to introduce and adopt on first reading Ordinance No. BOH – 01 – 2011 – An Ordinance Amending Chapter 153, Article 1, “Individual Subsurface Sewer Disposal Systems” of the Township of Kingwood. All members present voted **AYE** on **ROLL CALL VOTE**.

Change in 2011 Meeting dates

It was moved by M. DeSapio, seconded by J. Burke and carried to revise the meeting dates for May and September to be as follows:

May 25, 2011
September 28, 2011

at 7:30 PM.

It was moved by M. DeSapio, seconded by J. Burke and carried to approve the revised dates for the May and September 2011 meetings. All members voted **AYE** on **ROLL CALL VOTE**.

Well Water Subcommittee Presentation

J. MacConnell stated the responses of the Well Subcommittee to A. Belle’s concerns have been given to the Board members for their review. It was decided the Board would invite V. Uhl to the April meeting for his comments on the sections the Well Subcommittee indicated should be responded to by a professional. J. Burke suggested a reference guide for situations should be made for the ordinance. After the comments of V. Uhl have been received, reviewed and if the Board would require any amendments, the comments will be forwarded to J. Kopen for the drafting of the ordinance.

Approval of Minutes

It was moved by M. DeSapio, seconded by T. Kratzer and carried to approve the minutes of January 19, 2011. All members presented voted **AYE** on **ROLL CALL VOTE**, except R. Phillips, who **ABSTAINED**.

CORRESPONDENCE

PRIVILEGE OF THE FLOOR

A. Belle stated he has been posing questions to the Board for two years and he still has outstanding questions that have not been answered definitively. He agrees a reference book would be helpful for future projects. In regard to animal water usage, a resident cannot build a 4 bedroom house and have a 4 horse barn. The current configuration would require a calculated usage of 848 gallons per day, which would require a hydrogeological report and aquifer test. T. Kratzer stated the Penn State's table for water uses does not have seasonality built into it. It is an average. A. Belle stated the state regulations contain the usage indicated in the ordinance per bedroom but does not set a cap at 800 gallon per day. T. Kratzer said the recharge per year has to be determined. The ordinance references Horton's report as well as the state water uses. He has the references for past projects that were done here as well as the State regulations. A. Belle stated E. Amwell allows for a 20% variation in their ordinance. He stated animal water usage, according to the ordinance, has to be added to the household usage. J. Burke stated if we assume that there is a cushion built in at the 800 gallons per day for a 4 bedroom home and the maximum usage for 4 horses is 48 gallons per day, it is his feeling there seems to be enough of a cushion in the 200 gallons per bedroom per day. A resident should be able to have 4 horses and a 4 bedroom dwelling without taxing an 800 gallon system. There is plenty cushion in the calculations. T. Kratzer stated it is a daily average and the maximum will be beyond that amount. J. Burke stated 4 horses are equivalent to a half of a person. The issue is splitting hairs with a few gallons. To have to subtract a bedroom or a person from the house to have horses is ludicrous. The ordinance needs to accommodate both needs. A. Belle stated the ordinance requires the counting of individual animals but does not provide for the counting of the residents in a dwelling. If 4 people live in the dwelling, it provides a 400 gallon leeway on the animals. The ordinance is very specific with the animals but is ignoring the fact that there are only 4 people in the house rather than 8. T. Kratzer stated that decision is a big assumption of whether you will have water available. A. Belle responded the 3-part pump test is available. T. Kratzer stated the test shows the current conditions but not long term conditions. He stated the well has a certain water level. If you are using the water, it will start to drop and you will lose the pressure head. The yield will be diminished somewhat. He inquired if 800 gallons is adequate. It might be too much but the available data was reviewed. He stated for the most part it will cover the use but a safety factor has to be determined. A. Belle stated this is a rural Township. There has to be some reasonableness applied to the ordinance and Township. T. Kratzer stated if you look at the regulations, recharge and water usage, we are losing. He stated you have to have 20 acres per well for recharge. Since the Township cannot do that, it decided to limit the use or your balance will be way off. The Board is trying to define what level of protection is necessary. He understands A. Belle's position. A. Belle stated the only option would be to leave the Township. He can build a barn but not the house.

ADJOURNMENT

It was moved by J. Burke, seconded by S. Stryker and carried to adjourn the meeting at 8:29 PM. All members present voted **AYE** on **ROLL CALL VOTE**.

Respectfully submitted,

s/Diane Laudensch

Diane Laudensch, Secretary