

MINUTES  
July 9, 2009

A special meeting of the Board of Sewer Commissioners was held today at the Wastewater Treatment Facility at 1:30 PM to review plans for the plant expansion with CDM. Members in attendance today were Elaine Fiore, Peter Cobb and Thomas Taylor. Also attending from CDM were Don Freeman, Ben Mosher and Tom Morgan. Wastewater Superintendent, Ken Vandal, was also in attendance to review current and proposed components involved in the wastewater process.

Ms. Fiore called the meeting to order at 1:30 PM and reviewed that 1021 Kingston's Place no longer plans to connect the 40R development to the WWTF and that they are planning to construct their own treatment plant and leaching field on their own site. Any new agreement with them has to provide the Davis property for a leaching field and expand the WWTF just for what the Town needs. Other options to obtain alternate sites were discussed.

Mr. Freeman discussed that Mr. Geisinger has put in 2 new wells on the Davis property, which CDM has data from and can be used for permitting. They did not look at the stratification of the soils in their borings when they put the wells in so CDM would need some borings.

If Mr. Geisinger were to apply to permit the Davis property for a discharge permit they would have to do an Environmental Impact Report (EIR). This might not be needed if the Town applies for the permit. The area was evaluated as part of the original WWTF project. CDM will plan to consult with MEPA about submitting a Notice of Project Change (NPC). The plan is that CDM will submit a Request for Advisory Opinion (RAO) to MEPA. They will review it and then advise CDM whether the Town should submit a NPC or an EIR.

DEP will require a new hydro-geological survey since they will issue the Groundwater Discharge Permit. This will require some wells, borings, modeling etcetera. The Town has to prove that there will be no detrimental impacts to the environment. The study would cost about \$200,000.00.

Mr. Freeman cautioned that the Town would probably not be able to permit the Davis property by February 2010. CDM will submit a Project Evaluation Form (PEF) in August 2009. Points will be assigned to the project and it will be placed on a priority list called the Intended Use Plan (IUP) in January 2010. The deadline to have funding in place is June 30, 2010. October 15, 2010 is the deadline to apply for SRF funding. The modeling should be done by 2010 but probably not in time to make the Stimulus 1 funding. There is a Stimulus 2 being considered. The Town may still qualify for 2% SRF funding.

CDM will prepare a preliminary plan for the plant upgrade. They will also move forward with the hydro-geological survey when instructed to do so. The RAO will be submitted in August to see if the Town can move forward with the NPC. Mr. Freeman suggested that it would be a good idea for CDM and the Sewer Commissioners to meet with DEP soon.

Mr. Vandal stated that the current flow through the WWTF is 320,000 gallons per day (gpd). Ms. Fiore added that there is currently 125,000 gallons on the waiting list. Mr. Freeman stated that the addition of 1 SBR will increase capacity to at least another 125,000 gpd and will allow the plant to take in more septage but not 50,000 gpd. CDM will provide the Board with a DEP approved rating for capacity in their preliminary plans.

Mr. Freeman reported that CDM had met with the BioMag vendors after the Board expressed an interest in piloting this technology. BioMag would allow more capacity capability and additional capability to take septage. Mr. Vandal commented that he was interested in this technology because he might be able to eliminate the diffusers in the existing 2 SBR's. Mr. Freeman said that the invent mixer could add air but probably not enough. BioMag is heavy and requires more mixing velocity to suspend it after it settles. Kingston should pilot BioMag in the new SBR for a few months after construction is finished. If it works well then a permanent unit should be placed in the 3<sup>rd</sup> SBR. If the BioMag doesn't work out then you would want to contract another aeration system. You could also consider including a new aeration system into the expansion construction contract. CDM will look at the options during the design of the upgrade. The odor control system needs evaluation. Kingston may require another biofilter or another alternative technology that CDM will look into.

The Board and CDM reviewed the facilities outside of the WWTF building. Mr. Freeman discussed that there are package biofilters available that are smaller than the current biofilters, requiring less space. There could be the potential to eliminate the 2 existing biofilters and leave enough room to construct the garage where the rear biofilter is currently located. The initial costs of the package biofilters are more but they are better.

Mr. Vandal has requested a lakeside unit for septage. Mr. Freeman said that septage complete plants are usually located inside of a building and that there are potential odors involved locating one outside. Kingston might be able to add one to the headworks building and put in an underground tank. CDM will also plan for a headworks expansion in the area next to the fence and the rear of the biofilter. There may be a potential to add a septage complete plant by building it above the current slab at the septage receiving area. It could also be possible to use the equalization tank for the unit.

A subsequent review of the different process areas of the WWTF building indicated that another smaller electrical room will need to be added and it should be sized to add components later for a 4<sup>th</sup> SBR. A second Gravity Belt Thickener (GBT) will be added by building out next to the current GBT room. The pipe gallery will be extended as well, out to the new SBR, which will be located in the grassed area next to the parking lot. Locker rooms and an office will be located in the extension of the rest of the building and a new main entrance will be provided.

CDM will begin working on the expansion of the plant and prepare the Request for Advisory Opinion and the Project Evaluation Form.

Mr. Vandal briefly discussed the sewer lateral left for 163 Summer Street. The Drain Layer is getting Dig Safe to come out and mark the utilities and they will give CDM at least 2 days notice to get a crew to come to Kingston to do the work.

Ms. Fiore discussed that there is approximately \$15,000 remaining in the Thorndike escrow account for CDM review services. The Board needs to retain at least \$5000.00 for 1021 Kingston's Place review. Should the Board refund the remaining balance in the escrow account? Mr. Cobb stated that Mr. Geisinger had agreed to fund 8% of design costs and that he hasn't provided any of that money yet. Mr. Taylor felt that the money should not be refunded. The matter will be discussed further on Tuesday when the Board meets with Mr. Geisinger.

The Board signed a letter to Robert Laine regarding his sewer connection deadline, a memo to the Assessors regarding betterments being billed to accounts that have paid their betterments in full already, a memo to the Treasurer regarding the connection fee for 299 Country Club Way, and a memo to Marylou Joyce regarding sewer user charges for Peck's Flooring.

The meeting concluded at approximately 4:10 PM.

Suzanne Richards  
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