



TOWN OF KINGSTON
Office of the Sewer Commission/Wastewater Department
26 Evergreen Street
Kingston, MA 02364

781-585-4058
781-585-5874 FAX

Elaine A. Fiore
Peter C. Cobb
Thomas W. Taylor, II

Minutes
April 27, 2011

A special meeting of the Board of Sewer Commissioners was held today at DEP, 20 Riverside Drive, Lakeville at 2:30 PM. Members in attendance at the meeting were Peter Cobb and Thomas Taylor. Elaine Fiore was unable to attend due to commitments at work. Also in attendance at the meeting were Jeff Gould and Christos Dimisioris of DEP, Dave Young and Don Freeman of CDM, and Ken Vandal and Suzanne Richards from the Kingston Wastewater Department. Participating via conference call was Alan Slater also of DEP.

Mr. Gould reviewed that the meeting was to discuss Hydro-geological work done previously in Phase 1 of the sewer project, the Groundwater Discharge Permit existing and proposed for the Transfer Station Site and the Site Assignment for the Transfer Station.

Mr. Freeman provided a verbal background of work that has already been done toward the Transfer Station site permitting process. He provided a handout outlining the topics he planned to discuss, which is on file with the minutes of the meeting at the Sewer Commission office. He stated that the Final Environmental Impact Report (EIR) prepared for the original project recommended it as a backup to the Indian Pond Country Club site.

Mr. Freeman discussed that CDM has prepared the preliminary design for the disposal field at the Transfer Station and the expansion of the Wastewater Treatment Facility (WWTF) for a third SBR to provide added capacity for the sewered portion of Kingston. He also stated that Kingston was planning to upgrade the current Transfer Station, which is the same site that was explored as a disposal area for the WWTF in 1998. The addition of the Transfer Station leaching field would increase disposal capabilities from 375,000 gpd to 500,000 gpd and allow for the addition of the third SBR in the future.

Mr. Freeman continued that in 2010 a Notice of Project Change (NPC) was submitted and was approved by MEPA. MEPA suggested a meeting with DEP and that is the purpose of today's meeting. CDM is prepared to submit the Groundwater Discharge Permit (GDP) application. All of the required backup documents were done in 1998. The site was not selected as a disposal site at the time but was to be used as a backup site. All previous studies were based on disposing of 325,000 gpd. The flow proposed to be discharged at this time is 125,000 gpd, which is a significant reduction. The scope of work was approved by DEP, they were present at a number of tests and all of this work is documented. Mr. Young discussed an email from June 2010 regarding this same topic.



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Mr. Freeman reviewed that the groundwater in the area flows in a northeasterly direction. The major receptors are Smelt Brook, Foundry Pond to Kingston Bay. In the original study the cranberry bog on Prospect Street was a concern. The area was studied and it was found that the effects on the bog would be insignificant. Any high water levels were based on disposing 325,000 gpd of effluent to the site not on 125,000 gpd. Based on 325,000 gpd, any excess water would be carried down First Brook and to the Jones River.

Three boring were put into the deepest portion of the landfill to confirm the bottom elevation of the trash. It was determined that the trash was 8 to 10 feet above the high groundwater table. The study projected that the water level would rise up to 2 feet with the discharge of 325,000 gpd. The current discharge proposed is 125,000 gpd. All of the original study data is in the EIR. Estimates were that 53% of the water would go to Smelt Brook and Foundry Pond, 22% to the Jones River and about 8% to the bog. These estimates were based on 325,000 gpd. The site was approved for 17 to 18 gpd per square foot maximum discharge, but the project did not proposed more than 3 gpd per square foot being discharged. The previous predictions would no longer be accurate because they were based on the higher disposal rate of 325,000 gpd instead of the currently proposed 125,000 gpd. The Zone 2 wells will not be impacted by this project (Grassy Hole and 1-86).

Mr. Slater asked if anything hydro-geologically had been done in the area that would require a re-evaluation of the area. He was told that there had been none.

Mr. Gould asked if the storm water patterns had changed around the train station. Mr. Freeman replied that the train station was upstream of where the groundwater would flow.

Mr. Dimisoris asked if Kingston Bay was in the Mass. Estuaries for total maximum daily loads (TMDL). Mr. Slater said that it was not but could be sometime in the future. DEP would not hold up the project for something that might happen in the future.

Mr. Young asked if there was any reason why the Groundwater Discharge Permit application could not be filed now.

Mr. Gould commented that a monitoring well plan might need to be approved. Mr. Freeman replied that a plan was included in the permit application. Mr. Slater added that DEP would come up with a monitoring program and asked that the old study work be included with the application. Mr. Freeman stated that the study work would be included and that the application should be ready to submit in a couple of days.

Mr. Gould mentioned that the renewal of Kingston's existing GDP was still in progress. There would be a modification of the permit with the addition of a second



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discharge site. It would list 2 different sites and criteria for each. Mr. Young suggested a review of the Dennis/Yarmouth permit as an example.

Mr. Freeman reviewed that there was a site assignment in 1998 when the Selectmen were also the acting Sewer Commission. The Selectmen's minutes refer to a meeting being held. Mr. Freeman said that he and Robert Fagan were at the meeting with a Selectman but nobody else attended. Mr. Slater stated that Kingston will need to do a new site hearing anyway. There will be an amendment to the site assignment. Mr. Freeman added that the original project included the WWTF, the existing Transfer Station and Indian Pond.

The public hearing process should be held according to Chapter 83 Subsection 6. The Department then holds the hearing open for about a week for comments. Abutters will be notified. The hearing should be scheduled when the draft GDP is completed. The process should be started immediately after the application is submitted. The timeline for review of the GDP application is about 4 months.

Mr. Slater asked if there was any potential for reuse at Indian Pond Country Club. He was told that there were still a number of unresolved issues with the owner.

The meeting concluded at approximately 3:35 PM with Mr. Freeman projecting that the GDP application would be submitted within a few days.

Suzanne Richards
Administrative Assistant