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# *Report of Meeting*



**Date of Meeting:** November 15, 2010

**Project:** **Ledyard Sewage Facilities Plan**

**Project No.:** **18757.00**

**Report By:** Charles Chiu

**Purpose:** Sewage Facilities Plan Phase 2

**Attendees:** Charles Karno, Planning Director  
Kristin Havrilla Clarke, Assistant to the Planner  
Robert Hiltabrand, Commissioner Emeritus (WPCA)  
Steve Banks, Wastewater Operations Supervisor  
Krista Moravec, AICP, Maguire Group  
Alan Asikainen, P.E., Maguire Group  
Charles Chiu, P.E., Maguire Group

**Copies To:** Meeting attendees  
Steve Landry, Maguire Group  
Jim Fritz, Maguire Group

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Maguire Group met with the Town of Ledyard, CT to discuss sewage facilities planning issues. Maguire is preparing a sewage facilities plan for the Town. A two-phased approach was taken in order to make the project funding more manageable. Phase 1 was a study of the extent of the need for alternative sewage collection and treatment systems and identification of alternatives for rural areas of the Town. Maguire completed Phase 1 and submitted a report to the state Department of Environmental Protection (DEP). Phase 2 will be a detailed analysis of the alternatives identified in Phase 1 and an evaluation of alternatives for the rest of the Town.

Topics discussed during the meeting:

1. Maguire has completed Phase 1 according to the scope of work in the engineering services agreement with the Town. The DEP made some comments on the Phase 1 report that were outside the scope of work. Those comments will be addressed in Phase 2.
2. Phase 2 will address sewage disposal needs of the Town for the next 20 years and include recommendations for corrective measures at the Town's Highlands Wastewater Treatment Facility (WWTF).

3. Aljen Heights and Christy Hill are areas with known historical sewage disposal problems. Alternatives such as connection to the Highlands WWTF, connection to the Town of Preston, discharge to the Thames River, etc. will be investigated in Phase 2.
4. The cost for Phase 2 is anticipated to be in the order of \$100,000. The Town can apply for reimbursement from the DEP for 55% of eligible costs. The Town asked whether it is on the DEP Clean Water Fund priority list for planning assistance and WWTF improvements. Maguire will check the list and report back to the Town.
5. The Town has been in contact with Mark Gilbert from Atlantic States Rural Water & Wastewater Association (ASRWVA) for financing options. ASRWVA is a non-profit organization assisting small communities in New England.
6. The Town will coordinate with the state Office of Policy and Management to resolve any inconsistencies with the state Conservation & Development Plan.
7. A question was raised as to how the Foxwoods Resort Casino manages its sewage. Foxwoods discharges treated effluent into the ground via sand beds and also via spray irrigation on its golf course.
8. Stonington, CT is going with a BioMag system for sewage treatment.
9. The Town provided Maguire a list of concerns at the Highlands WWTF. The facility is taxed during the summer when air demand is highest and the blowers are running at maximum output. Maguire suggested looking into high speed turbo blowers. Turbo blowers offer savings in power cost over the long run. Connecticut Light & Power is offering financial assistance toward the purchase of the energy efficient equipment. Maguire is assisting the Towns of Plymouth and Montville in obtaining the CL&P funding for turbo blowers.
10. The Town's water supply needs should be considered in the sewage facilities plan. Ledyard has no water engineer on record, though Amory Engineers has been involved with many water supply projects in the Town and is familiar with the Town's water system.
11. The Town Council assumed responsibilities of the former WPCA. There was a question as to who was in charge at the Town regarding sewage facilities planning. A special workshop meeting with the Town Council, sometime in January, would be a good time to discuss the short-term and long-term sewage disposal needs of the Town, the timeframe for Phase 2 of the facilities plan, project history, and funding. A slide show presentation was discussed as a medium to inform all who would be in attendance.