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# *Report of Meeting*



**Date of Meeting:** February 15, 2012

**Project:** **Ledyard Wastewater Facilities Planning Phase 2**

**Project No.:** **18757.01**

**Report By:** Charlie Chiu

**Purpose:** Meeting with Town representatives

**Attendees:** Charlie Karno, Ledyard Planning Director  
Steve Banks, Ledyard WPCA  
Bill Saums, Ledyard WPCA/LTCC  
Mike Cherry, Ledyard Planning Commission/EDC  
Steve Masalin, Ledyard Public Works Department  
Bob Hiltabrand, Ledyard resident  
Steve Landry, Maguire Group  
Charlie Chiu, Maguire Group

**Copies To:** Attendees, File

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Maguire Group Inc. (MGI) attended a progress meeting with the Town regarding the wastewater facilities management plan. The following topics were discussed:

1. Highlands WPCF Capital Improvements – Steve Banks proposed an updated list (2/8/12) of capital needs totaling \$257,000 to upgrade/replace aged and outdated equipment and to demolish abandoned tanks at the plant site. A previous version of the list was submitted and approved for the 5-year CIP.

Chemical addition is a new item on the list because of a recent switchover from well water to municipal water supply. Wastewater received at the plant does not have sufficient alkalinity for effective nitrogen removal, so alkalinity must be added in the form of chemicals to the treatment process.

Quotes from Sanitaire are higher than the 2/8/12 estimates, so the list will be revised accordingly. The revised list will also prioritize the improvements, though all are necessary regardless of whether the plant is to be expanded or not. MGI will schedule an upcoming visit to the WPCF to review the list of improvements and identify problems/deficiencies.

The WPCA has approximately \$15,000 in reserve for WPCF repairs. The cost for repairs exceeds the reserve amount, so the WPCA would have to borrow

from the Town. MGI will research DEEP guidelines for maintaining a sinking fund for sewage facilities expenses.

2. Sewer Study Areas – MGI distributed maps showing the Town divided into sewer study areas. Eight study areas were delineated in addition to those identified in Phase 1 of the Facilities Plan Study (i.e., Aljen Heights, Avery Hill, Christy Hill, Gales Ferry). The eight study areas were generally defined by zoning designations and concentration of water quality and water pollution control issues. The study areas may be further defined based on proximity to existing sanitary sewers and direction by the Town.
3. Projected Sewage Flows – MGI presented preliminary estimates of potential sewage flows from study areas 2, 4, and 8. These areas could be possibly serviced by the Highlands WPCF. The preliminary flow estimates were based on residential development only. The estimates appear to underestimate potential flows, based on comparison with existing flows presently received at the WPCF, and therefore must be revised.

A conceptual build-out scenario of Ledyard Town Center (study area 8) was previously presented by Weston & Sampson (September 2006). Weston & Sampson estimated 169,000 gpd to 245,000 gpd of sewage from the future Town Center. The Town will compare Weston & Sampson's build-out scenario against its current plans for development of the Town Center and determine the validity of the previous flow estimates. It was stated that 700 residential units were planned for Ledyard Town Center.

The Woodlands project is a 165-lot planned subdivision which might be served by the Highlands WPCF. Stonegate Village is an existing 80-lot subdivision (currently 28 units) within the Highlands WPCF service area.

4. OPM C&D Plan Update – The initial Draft Plan for 2013-2018 was issued by the state and is currently being reviewed by the municipalities and Regional Planning Organizations (RPO). Mike Cherry quoted some language from the initial Draft Plan concerning “priority funding areas.” Coordination by the Town Planning Department with OPM and the RRO needs to continue as the Draft Plan is further developed.
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