

Ledge Light
Health District

May 26, 2010

Mr. Gregory Teifert, Director
Ledyard Water & Sewer Department
741 Colonel Ledyard Highway
Ledyard, Conn. 06339

Re: Sanitary Survey, Avery Hill Trailer Park

Dear Mr. Teifert:

As requested, a sanitary survey was conducted on portions of the Avery Hill Trailer Park on May 25, 2010. The survey consisted of on-site inspections and resident interviews, where possible, of the properties within, or in close proximity to, a 150 ft. radius of the source water well serving the Avery Hill Trailer Park Water Supply which is owned and operated by the Ledyard Water & Sewer Department. The survey also included inspections of properties and interviews with property owners, where possible, of properties abutting, or in proximity to, the storm drainage system in Naomi Drive which discharges to a wetland area approximately 75 +/- ft. from the source well. The purpose of the survey was to identify and locate sewage disposal systems serving residences which might have an impact on well water quality either due to system failure or marginal/insufficient construction.

Approximately seventeen (17) properties were inspected. Of the seventeen properties inspected, one property had an active sewage overflow and 2 other properties had system deficiencies consisting of poorly covered or exposed tops to the septic tank(s) or cesspool serving the subject residence. Within approximately 150 ft. radius of the source well there are 5 residences/trailers served by on-site sewage systems. There are 5 properties abutting or in fairly close proximity to a storm drainage system which is located at the intersection of Marlene Drive and Naomi Drive and extends easterly along the southern shoulder of Naomi Drive to a point of discharge to the inland wetland slightly west of the source well. Conditions were noted as follows:

1. #2 Naomi Drive Extension – sewage system located approx. 180-185 ft. from source well. Partially exposed/poorly covered septic tank cover.
2. #2 Naomi Drive – sewage system reportedly consisting of septic tank and “leach field” located approx. 145-150 ft. from source well. No overflow noted.
3. #4 Naomi Drive – sewage system reportedly consisting of septic tank and “leach field” located approx. 160-165 ft. from source well. Active sewage overflow from septic tank noted.
4. #20 Marlene Drive – sewage system potentially consisting of cesspool or septic tank

- and leaching pit located approx. 200-210 ft. from source well and 60 +/- ft. from inland wetland area adjacent to source well. Although no overflow noted, the cover to the cesspool or tank was of poor construction. Trailer was not occupied at time of inspection.
5. # 6 & 8 Naomi Drive – no indications of system failure or construction deficiency but sewage disposal system located approx. 35-40 +/- ft. from storm drainage system leading to inland wetland area near source well.

Based on the results of the sanitary survey, 3 properties were noted having either a sewage system failure or deficiency of construction. Measures will be instituted to provide correction of the noted conditions. In general, this area consists of small mobile home residences on lots of one-quarter acre, or less. The properties identified above, i.e. # 1-4, are typical to the area with site limitations of minimal available lot size, shallow ground water and/or proximity to wetlands. Sewage system repairs are often accomplished "as good as possible" for the conditions. If you have any questions concerning the above information, please contact me at 860-448-4882 ext 330.

Very truly yours,



George P. Calkins, R.S.
Senior Sanitarian

Cc: R. Johnson
F. Allyn, Mayor



Ledge Light
Health District

February 10, 2010

Mr. Gregory Teifert, Director
Ledyard Water & Sewer Department
741 Colonel Ledyard Highway
Ledyard, Conn. 06339

Re: FY2011 Appropriations Request
Extension of Water to Aljen Heights (Phase 1 and 2)

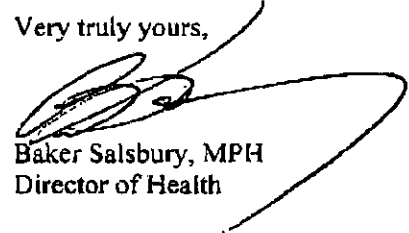
Dear Mr. Teifert:

By this letter, please note the Ledge Light Health District's endorsement of the above referenced project to extend public water supply to the Avery Hill Road and Aljen Heights area of the Town of Ledyard. This project would provide a safe, sanitary and adequate public supply of domestic water to approximately 360 single family dwellings and approximately 50 mobile homes within the projected service area. These dwellings are currently served by a combination of a small community water supply and private wells, with on-site subsurface sewage disposal systems located, generally, on individual lots consisting of one-quarter to one-third acres in size (10,000 – 15,000 sq. ft.).

The Ledge Light Health District (LLHD) is the jurisdictional health agency for the Town of Ledyard and is the responsible agency for regulatory matters concerning private water supply and wastewater disposal (sewage disposal systems) for the Town, and, specifically, for the projected service area. A file review of LLHD's records conducted by the applicant's consultant, revealed a sewage system failure/replacement rate of approximately 23% in the project service area, the majority of which occurred in the Aljen Heights Subdivision where lot sizes are approximately one-quarter acre with both well and on-site septic. The file review also documented a number of existing dwellings with issues of unacceptable or marginal water quality including elevated nitrogen concentrations, coliform bacteria or other nuisance conditions resulting in compromised domestic water supply. Extension of the public water supply to these Ledyard residents will ensure that they have a safe and adequate supply of domestic water and increase the available sewage system repair area on the small lots without compromising their water supply. On this basis, the Ledge Light Health District is in full support of the proposed water extension project.

If you should have any questions concerning the above, please contact me.

Very truly yours,


Baker Salsbury, MPH
Director of Health

Cc: F. Allyn, Mayor