



TOWN OF CHILMARK
CHILMARK, MASSACHUSETTS

Board of Health

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To: Katie Carroll, Chair, Board of Health
Rodney Bunker, Custodian
George Apostolides, Plumbing Inspector
John Clark, Island Water Source
Tim Carroll, Executive Secretary
Ebba Hierta, Director, Chilmark Library

March 28, 2011

Re: Cross-Connection Survey of the Chilmark Community Center/Library Public Water System # 4062006

On March 28, 2011, Don Rugg, Vice President of the Sarian Company, and Terry Daiyan, Mass-DEP Southeast Regional Office conducted a Cross-Connection Survey of the Chilmark Community Center/Library water system. Rodney Bunker, John Clark, and Marina Lent attended for the Town. While we found no obvious source for the repeated total coliform positive samples we have had in the Community Center, the following are observations and recommendations arising from the survey:

- a raw-water sampling tap should be installed for the Community Center, *prior* to the sediment filter and pressure tanks. It should:
 - be inaccessible to the public,
 - allow for liberal flushing prior to drawing water samples, and
 - have a smooth snout without threads inside or out.
- routine samples should henceforth be taken from the tap in the men's room under the sinks and the tap topically disinfected with chlorine prior to flushing;
- a pH neutralizing filter like the one we have installed in the Library is also recommended for the Chilmark Community Center to protect the plumbing from the acidity of the groundwater (pH 5.54 on 2/16/2011). At that time, improvements to the accessible plumbing could also be undertaken. Marina Lent

will prepare a BRP WS 34 Chemical Addition Retrofit application for review and approval by DEP;

- the water meter in the Library should either be repaired or replaced;
- the backflow prevention device in the Library basement should be repaired and tested by a backflow-prevention certified operator;
- all backflow prevention devices must be tested 2x/year by a backflow prevention certified operator;
- there must be hose-bibb vacuum breakers on *all* hose-connector faucets;
- the outdoor drinking fountain on the wall of the Art Shack is to be removed;
- a spare backflow prevention device repair kit needs to be onsite at the Library;
- it is recommended that a modest amount of sodium hypochlorite (1/2 gallon store-bought bleach) be poured into the well and left to disseminate over time.

Marina Lent

cc: Terry Daiyan, Charles Shurtleff, DEP-SERO
Don Rugg, Sarian Company, Inc.