



**State of Louisiana**  
Department of Health and Hospitals  
Office of Public Health

August 20, 2015

Brian A. Mistich, P.E.  
Dammon Engineering, Inc.  
894 Robert Boulevard  
Slidell, LA 70458

Re: Southern Comfort Lounge Water Supply  
New Water System for Addition to Inventory

- Water Well
- Proposed Chlorine Disinfection System
- Hydropneumatic Tank
- Distribution System

Slidell, Louisiana  
St. Tammany Parish  
DES Number 15-021

Mr. Mistich:

Plans and specifications of the above named project have been reviewed. The plans are **DISAPPROVED** pending resolution of the following items which appear to be in conflict with applicable provisions of the Louisiana Administrative Code (LAC), or upon which further information is needed.

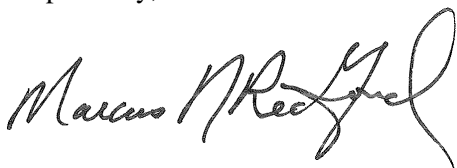
1. This water system is not a permitted system and has never been a water system in the State Drinking Water Inventory System (SDWIS). Prior to entry into SDWIS complete engineering plans for the well, treatment, and distribution systems will have to be provided with specifications and equipment submittals for review and permitting. The submitted drawing for this water system is incomplete and disagrees with the existing system as presented in the photo provided in the package. The drawing is stamped but not signed and dated as required. Please prepare a complete application project package for submittal and review. The additional comments below reflect issues with the current submittal that should be addressed in the new submittal.
2. The DHH/OPH Engineering Services Permit Application (ESPA) for water well did not include page 1. Please provide all applicable pages of the ESPA when responding to comment 1. above.
3. On the drawings please verify that no source of contamination such as septic tanks, storm or sanitary sewers, oxidation ponds, cesspools, subsurface absorption fields, pits, mechanical sewage treatment plants, landfills, drainage canals, ditches, or streams currently exist within the minimum distances given in LAC 51:XII.327.A.2. The drawings should include the 50' and 100' radius around the well head and identify all the sources found on the property from the list above. Please submit the completed drawing for review. Additional comments may arise.

Re: Southern Comfort Lounge-Continuous Disinfection System  
St. Tammany Parish

4. Please specify if the hydropneumatic tank meets ASME code requirements per Recommended Standards for Water Works (RS), 2003 Edition Section 7.2. Please revise and resubmit plans accordingly.
5. Per Section 7.2.3 of RS, the hydropneumatic tank shall have bypass piping to permit operation of the system while the tank is being repaired or painted. Please revise and resubmit plans accordingly.
6. The ESPA Water Storage page 2/2 states that the hydropneumatic tank will have no sight glass. Please specify if an automated control to maintain the proper water-to-air ratio in the hydroneumatic tank is provided. Please revise and resubmit plans accordingly.
7. Please provide the calculation of chlorine contact time to ensure at least 30 minutes contact time prior to the first customer. Show all reduction factors utilized specific to the tank construction used in the calculations. Please submit the calculation showing that the 30 minute contact time is provided for review.
8. Please provide documentation that the sodium hypochlorite solution to be utilized is NSF approved per Section 5.2.2 of RS.
9. Per Section of 5.4.4.a.2 storage containers or tanks of sodium hypochlorite shall be sited out of the sunlight in a cool area; however, ESPA page for Disinfection is marked to indicate that it will not be stored out of direct sunlight. Please ensure that the ESPA when resubmitted is properly marked and that the current version of the ESPA is used, Rev 3.1.5.
10. Your transmittal letter in the document package submitted indicates that chlorine residuals are to be taken with a Hach Free Chlorine Test Kit, Model CN66F Test Kit. That kit is a color wheel type kit and is not acceptable for taking chlorine residuals for the Safe Drinking Water Program. With the issuance of the Emergency Rule dated November 6, 2013 following the deaths due to the Naegleria fowleri parasite LAC was updated to reflect the the change in acceptable test methods along with chlorine residual levels, monitoring and record keeping. Your certified operator will already be aware of the new rule and its requirements.
11. When completing the ESPA Rev 3.1.5 please note that not all references to disinfection refer to the treatment of the water. Please take care to refer to the treatment cited in LAC 51, Part XII, § 351, Disinfection of Potable Water Supply Systems and §353, Disinfection of New Water Supplies, A. and C.

Once we receive the information needed to comply with the above comments, our review will continue. If you have any questions or require additional information, please call me at (985) 871-1332.

Respectfully,



Marcus N. Redford, P.E.  
Region 9 Engineer

cc: St. Tammany Parish Sanitarian Manager  
Jay Watson, Dept. of Envir. Services, St. Tammany Parish Gov.