



December 11, 2015

Mr. Marcus N. Redford, P.E.  
Office of Public Health  
71128 HWY 59, Suite 102-B  
Abita Springs, LA 70402

RE: Reply to Comments Letter of December 7, 2015  
Southern Comfort Lounge Water Supply  
2209 Gause Blvd. East  
Slidell, LA 70461  
St. Tammany Parish  
Water Supply Update/Modernization  
Water supply disinfection facility, Stenner Model 45 MHP-10 Chemical injection Unit  
12 Gallon Chemical Storage Tank (12 ½ % Sodium Hypochlorite Solution)  
120 Gallon Hydropneumatic Storage Tank  
½ HP Everbilt Well Jet Pump with associated SDR 26 PVC Piping  
1 Existing well w/distribution Piping & Appurtenances

Mr. Redford,

In reference to the above captioned, the following information is presented for your review. To specifically address your enumerated comments:

1. The proposed sample tap (for raw water testing) shall be located downstream of the pump. A check valve shall be installed immediately downstream of the tap. (See attached upgraded system diagram)
2. A FloTec representative was contacted on Tuesday December 8, 2015 concerning the installation of a sight glass as a means of monitoring the liquid level in the hydropneumatic storage tank. Systems of this size do not generally have these types of water level indicators. At this time, the Flotec Company does not manufacture a sight glass for the 120 gallon Hydropneumatic tank (Flotec Model **FP7250**). However, to meet the spirit of requirements, and to assure a smooth running system, the certified operator who takes daily chlorine residuals shall be instructed to monitor the system daily for any excessive cycling of the pump and to physically feel for temperature changes on the tank shell which would indicate the water level. This shall be done daily. Any deviation from the proper water/air ratio shall be addressed by manually injecting air into the tank or releasing it.

3. The FloTec representative contacted on Tuesday December 8, 2015 indicated that the maximum working pressure recommended is 100 PSI. All Model **FP7250** tanks are tested to 150 PSI for leaks and/or defects. In the Southern Comfort Lounge application, the tank shall be operating between 40 PSI and 60 PSI, a typical operational range for water systems of this size and function.
4. A short length (+/- 20 L.F.) of PVC pipe has been identified as requiring Schedule 40 designation and shall be replaced with such. The location of the questionable pipe is indicated in red on the attached "New Upgrade of Water Supply" diagram. This particular segment of pipe is above ground (suspended under structure) and is part of the plumbing piping for 1 room in the Tattoo Parlor. This schedule 40 replacement should satisfy code.
5. A dual check valve backflow preventer (a 1" Watts Series 7 or equivalent) shall be installed on the service line entering the Southern Comfort Lounge. Additional backflow preventers for the Used Tire Store and Tattoo Parlor are to the understanding of this Office optional but will be installed. The locations of installation are indicated on the "New Upgrade of Water Supply" diagram.

Once a permit is obtained for this water supply, sample taps shall be installed in appropriate locations with the coordination of a St. Tammany Parish Health Unit Sanitarian and any Drinking Water Personnel that may wish to assist. Proposed locations are:

- 1 tap at each of the 3 three businesses,
- 1 tap on the discharge side of the Hydropneumatic tank (POE),
- 1 at the end longest line (for chlorine residence),
- 1 located in a random location and,
- 1 adjacent to the well head for chemical sampling.

Any additional taps required by the Health Department shall also be installed.

GPS coordinates defining the property limits of the water system shall be acquired and transmitted to you shortly. Your patience and assistance is greatly appreciated. We await your timely reply.

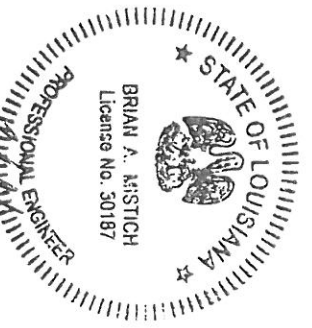
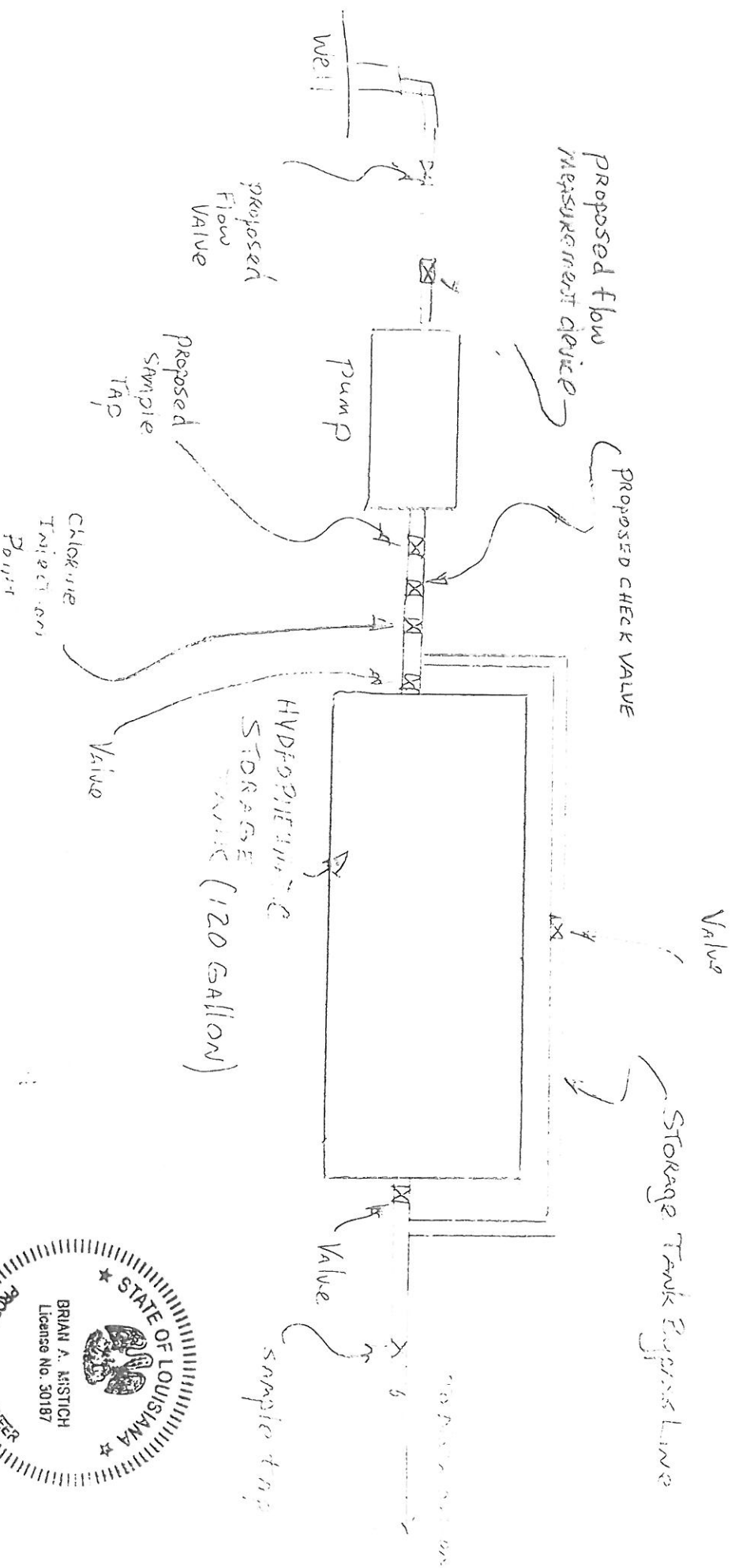
Respectfully,



Brian A. Mistich, P.E.  
Dammon Engineering

Cc: Ms. Judith Culpepper, St. Tammany Parish Sanitarian Manager  
Mr. Jay Watson, Dept. of Environmental. Services, St. Tammany Parish Government  
Mr. R. B. Williams

# SYSTEM DIAGRAM



12/11/2015

NEW UPGRADE of WATER SUPPLY

GAUSE BIND

Southern  
Cem Co  
Koungge

DRAINAGE CANAL

Well House, Well, Disinfection,  
Storage moved here

All Treatment plants are  
greater than 100' from  
water well

To be replaced  
w/ SCH 40 PVC

⊗ Approximate location  
of back flow prevention  
devices

100' Radius

50' Radius



12/11/2015