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May 26, 2011

Michelle Fish

Florida Department of Environmental Protection

Phone: (239) 344-5643

Email: Michelle.Fish@dep.state.fl.us

RE: Collier County – DW

Corkscrew Swamp Sanctuary WWTP

FLA014233

Dear Ms. Fish,

In response to your letter regarding plant inspection (dated May 16, 2011), please find the following.

1. Regarding documentation
 - a. Backflow devices have been certified
 - b. Laboratory certification is on site
 - c. Flow meter calibration record, New flow meter installed on 4/9/11
 - d. Sludge hauling records, the facility has not generated a significant amount of sludge. Subsequently, we have not hauled sludge.
 - e. Operator certification, located on site
 - f. Current permit, located on site
2. Operator's log book was not complete, Complete log entries will be made.
3. Residuals annual summary for the year 2010, we did not haul sludge during the year. A complete sludge analysis was performed and is located on site.
4. DMR's were received late, future DMR's will be reported on time.
5. Backflow device was leaking, unit was rebuilt and certified.
6. Warning signs with emergency telephone number, signs have been posted.
7. Solids were observed on the bottom of the chlorine contact chamber, under close examination the material at the bottom of the chamber (fine white powder) was inorganic material from the chlorine tabs.
8. Continuous meters were not properly calibrated, following manufacturer's protocol the chlorine analyzer self-calibrates with each sample and fresh solution is added every 30 days. The continuous turbidity analyzer is factory calibrated and is rechecked once each quarter with a calibration solution, as recommended by the manufacturer.
 - a. Continuous chlorine analyzer not functioning properly, the day of the inspection, the maintenance personnel reported (at 12:30) that the analyzer was not working properly. Mechanic corrected the problem (a broken feed tube to the analyzer).
 - b. The continuous turbidity analyzer not functioning properly, the meter was operating intermittently. We installed a new unit on 5/26/11.

9. The reuse operating protocol, we will schedule a site visit to discuss plant's overall operating protocol.
 - a. The turbidity control section states the alarm set point is 2.0 NTU, when the alarm is triggered, a signal is sent to a diversion valve which diverts the flow back to the drain field.
 - b. The operator can only view current conditions. When the analyzer gets a reading outside the set tolerances, the valve automatically resets and closes.
 - c. We have recalculated the tank sizes and they are 900 gallons each.
 - d. The chlorine contact chambers, the system is operating per design.
 - e. Flow diversion valve, the valve is located before the reuse tank. Please refer to response "9.a."
 - f. Reuse storage tank water, de-chlorination was self-imposed to reduce the impact on micro-organisms within the septic tank.
 - g. Reuse piping, valves, etc., this painting project will be completed within 30 days.
 - h. Monitoring of flow to influent, reuse, and drainfield, by way of meters (which will be marked with placards)
10. Drainfield, there is only one drainfield. Drainfield vegetation is mowed and maintained.

Trusting the above is in order and to your satisfaction, should you have any questions, please feel free to contact me at my office 489-4779 or my cell 281-7660.

Respectfully,

Carson Schaeffer