

**TOWN OF HILLSBOROUGH**  
**ENGINEERING STATUS REPORT**  
**FEBRUARY 2011**

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PROJECT	BUDGET	STATUS
WWTP Discharge Compliance	-	We were compliant with our discharge permit limits in December. Our sludge management program is in good condition.
WWTP Expansion Design & Permitting	\$ 1,025,000	schedule. We are preapproved for up to a \$17.5M low interest loan. Plan approval should be complete by May 2011, and construction contracts in place by September 2011. The project should be complete by Summer 2013. This aggressive schedule is needed, due to the plant reaching its maximum capacity during several recent rain events, and due to new scheduling requirements in the SRF program.
Sewer Spill Summary	-	The Town has had <b>no</b> reportable sewage spills in 2011. There have been <b>no</b> bypass events at the WWTP in 2011. We had 2 spills and bypass events in 2010.
West Fork of the Eno Reservoir	-	The reservoir is about 21 inches below full (94%), with approximately 365 days of supply remaining. We had about 1.3 inches of rain in January.
WFER - Completion of Wetlands and related permit requirements	\$ 900,000	Construction contract forms are being completed, with work expected to start in mid-February. Reconfiguration and planting on the Hatley site in Person County will begin this Spring. Some additional area will be required, which could cost up to \$200K, but I am working on some different options that could greatly reduce the cost. All of this work is required to bring us into compliance with our US Army Corps of Engineers (USACE) permit. The USACE has suspended our construction permit until this work is completed, but the suspension should not interfere with Phase 2 construction as long as we complete the current work. We also still have the potential to be fined by USACE for non-compliance due to delays thus far, but efforts to comply now should help greatly to minimize fines, if any are assessed.
Total Trihalomethanes (TTHM) Compliance	-	The 4th Quarter 2010 testing was performed in mid-November. These results were our best for the 4th Qtr since 2006, and reduced our official 4th Quarter average to 49 parts per billion (6 ppb lower than 2009 third quarter), which in turn reduced our current running annual average to 43 ppb (1 ppb drop, annual average limit is 80 ppb -- 8th consecutive quarter with a drop in our annual average). Town remains compliant with TTHM levels. 1st Quarter 2011 testing will be in mid-February. We have made some recent operational changes at the Water Plant which may slightly increase our TTHM levels, but we are closely monitoring their effect. We have re-started using the 1 million gallon clearwell installed in 2003.
Water Restrictions	-	No withdrawal restrictions are in effect for the Town, and no restrictions for Town customers. Lake Orange is FULL.
Water System Flushing	-	The Spring water system flushing will begin on Feb. 28th, and run through March. Switchover to free chlorine will begin on Feb. 26th.
"Unaccounted-for" Water	-	Miscellaneous repairs have been proceeding.
Miscellaneous Water Projects	-	Crews have been busy with repairs and work orders. No major water projects were scheduled during January.
GIS Development	\$ 50,000	Work continues to fine-tune the data to ensure accuracy of buried features that could not be uncovered for locating. Work will continue in future FYs to keep the GIS up-to-date and tweak the data. Most repair needs that were uncovered have been addressed.
Sewer Rehabilitation & Repairs	\$ 450,000	Approximately 2,200 feet of sewers are being relined by a contractor this month on Dixie Avenue, Tryon Street (at Churton), and Exchange Park Lane. Preliminary work began in January. Upon successful completion of the project, additional sewers will be identified and scheduled for repairs. Additional sewer services in North Fairview will be replaced in the Spring.
Elizabeth Brady PS Upgrade Design	\$ 80,000	Preliminary plans are complete and being reviewed by staff. A State Revolving Fund loan for construction (approx. \$700K) will be reconsidered in March. If we don't receive funding in March, we will need to consider other funding sources (lease-purchase, etc.). This will be a new construction project in the FY12 budget, due to the inability to have it included in the WWTP project loan.
Orange Grove Road Water Improvements	\$ 550,000	Design work is proceeding for the replacement of the Mayo Booster Pump Station and Orange Grove Road water line. Construction will likely begin in late Summer or Fall 2011, with completion by August 2012.