

**TOWN OF HILLSBOROUGH**  
**ENGINEERING STATUS REPORT**

MAY 2011

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PROJECT	BUDGET	STATUS
WWTP Discharge Compliance	-	We were compliant with our discharge permit limits in March. Our sludge management program is in good condition.
		Design plans and specifications have been approved, and we are advertising for proposals from contractors to prequalify to bid. Only approved contractors will be allowed to bid on the construction project, to better ensure quality of work. <b>The Board of Adjustment is holding a Public Hearing on May 11th to consider a Conditional Special Use Permit Modification for the project.</b> <u>Construction bids are anticipated to be opened on July 12th, with the Town Board considering contract award at the July 25th Workshop.</u>
<b>WWTP Expansion Design/Permitting/Bids</b>	\$ 1,025,000	Construction contracts are scheduled to be in place by September 2011. The construction should be complete around March 2014.
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.
<b>West Fork of the Eno Reservoir</b>	-	The reservoir is full, with approximately 390 days of supply remaining. We had only 1.9 inches of rain in April (down from 4.4 in March).
		Construction on the water quality impoundments modifications is continuing. Reconfiguration of the Hatley site has begun and planting will begin this Winter. Some additional area will be required, which could cost up to \$200K, but I am working on some different options that could greatly reduce or eliminate 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.
WFER - Completion of Wetlands and related permit requirements	\$ 900,000	
		The 1st Quarter 2011 testing was performed in mid-February. These results were identical to the 2010 1st Quarter, which kept our official 1st Quarter average to 30 parts per billion, which makes our current running annual average remain at 43 ppb (annual average limit is 80 ppb). We previously had 8 consecutive quarters with a drop in our annual average, but to remain consistent is notable since we have changed our operations with use of the large clearwell. The Town remains compliant with TTHM levels. 2nd Quarter 2011 testing will be in mid-May.
Total Trihalomethanes (TTHM) Compliance	-	
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 is complete with 2.8 MG flushed. Chloramine disinfection was back online April 1st.
"Unaccounted-for" Water	-	Miscellaneous repairs have been proceeding.
		New blow-offs were installed at US70/West Hill Avenue and Hoot Owl Drive (off Old NC 10). Replacement of old water main along US70 east of St. Mary's Road is ongoing, and a new water tie-in at Alma/Nash was completed in association with the sidewalk project.
<b>Miscellaneous Water Projects</b>	-	
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.
		We are trying to schedule replacement of the sewer line under the railroad tracks near Gold Park, through the pipe bursting method. When the price and timeline for that work is finalized, additional relining will take place at other locations as needed. Additional sewer services in North Fairview will be replaced in the next few months.
Sewer Rehabilitation & Repairs	\$ 450,000	
		Preliminary plans are complete and being reviewed by staff. A State Revolving Fund loan for construction (\$668,125) <b>was not</b> received in March. We will either need to consider other funding sources (lease-purchase, etc.), or try again for an SRF loan in September. This will be a new construction project in the FY12 budget.
Elizabeth Brady PS Upgrade Design	\$ 80,000	
		Design work is proceeding for the replacement of the Mayo Booster Pump Station and Orange Grove Road water line. Construction will likely begin in Fall 2011, with completion by August 2012.
Orange Grove Road Water Improvements	\$ 550,000	