

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

JULY 2011

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PROJECT	BUDGET	STATUS
WWTP Discharge Compliance	-	We were compliant with our discharge permit limits in May. Our sludge management program is in good condition.
<b>WWTP Expansion Design/Permitting/Bids</b>	\$ 1,025,000	Bids will be opened on July 12th (currently being advertised), with 14 contractors expected to bid. Only pre-approved contractors will be allowed to bid on the construction project, to better ensure quality of work. The Town Board is anticipated to consider the contract award at the July 25th Workshop. All permits have been approved. Construction contracts are scheduled to be in place by September 2011. The construction should be complete around March 2014.
<b>Sewer Spill Summary</b>	-	The Town had <b>one</b> reportable sewage spill in June, which was the first of 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 about 1 1/2 feet below full, with approximately 365 days of supply remaining. We had 3.8 inches of rain in June, most of it in the last week.
<b>WFER - Completion of Wetlands and related permit requirements</b>	\$ 1,120,000	Construction on the water quality impoundments modifications is <b>complete</b> , other than the planting of some shrubs along the banks this Fall. Reconfiguration of the Hatley site boundary has begun and planting will begin this Winter. Some additional area will be required, which could cost up to \$200K, but there may be 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.
Lake Ben Johnston Dredging/Repair & WTP Backwash Pump Replacement	\$ 610,000	Permits to perform the dredging of Lake Ben Johnston will be attained in the coming months, with dredging and miscellaneous dam structure repairs to follow. Calculations need to be made to determine the exact conditions for the replacement backwash pumps, which will then be ordered. Pump delivery is likely to take 8-12 weeks.
Total Trihalomethanes (TTHM) Compliance	-	The 2nd Quarter 2011 testing was performed in mid-May. These results were higher than the 2010 2nd Quarter, which increased our official 2nd Quarter average to 57 parts per billion (from 39ppb), which makes our current running annual average rise to 47 ppb (annual average limit is 80 ppb). We are continuing to monitor our results for potential increases, since we have changed our operations with use of the large clearwell. The new backwash pumps planned for Fall 2011 should improve the TTHM levels due to better filter cleaning and lower clearwell operation. The Town remains compliant with TTHM levels. 3rd Quarter 2011 testing will be in
<b>Water Restrictions</b>	-	No withdrawal restrictions are in effect for the Town, and no restrictions for Town customers. Lake Orange is about 7 inches below full.
Water System Flushing	-	The Fall water system flushing is planned for September through October.
"Unaccounted-for" Water	-	Miscellaneous repairs have been proceeding.
<b>Miscellaneous Water Projects</b>	-	Hassell Street tank interior was recently repainted, however we are investigating a possible leak in the overflow pipe inside the tank. Repairs may require the draining of the tank again, taking it offline for about a week. Replacement of old water main along US70 east of St. Mary's Road is ongoing, along with service renewals.
Orange Grove Road Water Improvements	\$ 550,000	Design work is complete for the replacement of the Mayo Booster Pump Station and Orange Grove Road water line. Permit applications have been submitted. Construction will likely begin in Fall 2011, with completion by August 2012. Partial STAG funding.
Riverside & Crawford Water Improvements	\$ 200,000	Design work will be started soon, and should be completed quickly. Town crews may complete the construction depending on cost and availability. New water lines, valves, and hydrants will be installed along Riverside Drive & Crawford Rd to replace aging infrastructure.
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.
<b>Sewer Rehabilitation &amp; Repairs</b>	\$ 450,000 (FY11) + \$50,000 (FY12)	Repairs to the sewer line serving Cameron Park School have been proceeding. We are trying to schedule replacement of the sewer line under the railroad tracks near Gold Park by pulling the old pipe out of the encasement pipe and installing a new pipe. 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.
Elizabeth Brady PS Upgrade & Relocation	\$ 600,000	Preliminary plans are complete and being reviewed by staff. Permits will be applied for within the next 2 months. We will be seeking a construction loan in the Fall to get this project underway. A new PS will be constructed at a nearby site to be out of the flood area.