

TOWN OF HILLSBOROUGH
ENGINEERING STATUS REPORT
NOVEMBER 2016

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PROJECT	BUDGET	STATUS
WWTP Discharge Compliance	-	We were compliant with our discharge permit limits in September. Our sludge management program is in good condition.
Sewer Spill Summary	-	The Town had no reportable collection system sewage spills since my last report (one so far in 2016). While we did have a report of a manhole overflow in Gold Park during Hurricane Matthew, there was no spilling or evidence of a spill when staff arrived. We did inform the NCDEQ Regional Office, but since we did not see it and could not estimate a quantity, the official status was no spill. There have been no reportable spill/bypass events at the WWTP in 2016.
West Fork of the Eno Reservoir	-	The reservoir is about 3 inches below full, with approximately 387 days of supply remaining. The current controlled release is meeting the minimum release for November of 1.6 cubic feet per second (1.034 MGD).
WFER Phase 2 Design Project (FY16)	\$ 1,237,000	A municipal agreement is currently being negotiated between the Town and NCDOT to determine responsibilities and cost sharing of the Efland-Cedar Grove Road realignment and raising, with construction planned to begin in 2016. The Town's share of project funds will be due to NCDOT upon contract award (approximately \$500k to \$600k). The road improvements design work for Mill Creek Road and Carr Store road is ongoing. The remaining dam and project design work began in September 2015, in order to complete all of the engineering and permitting required prior to construction of Phase 2 in 2017. Project construction is included in the FY17 budget. The total estimated construction cost of Phase 2 is currently at \$6.7 million, plus about \$910,000 in inspection & contract administration costs during construction (total of \$8.3M needed for construction in FY17, which includes contingency funds). Construction is expected to begin in mid-2017.
Total Trihalomethanes (TTHM) Compliance	-	The 3rd Quarter 2016 testing was performed in mid-August. These results are 5 parts per billion (ppb) higher than the 2015 3rd Quarter, increasing our 3rd Quarter average to 69 ppb, which makes our current running annual average increase to 56 ppb (up by 2 ppb, annual average limit is 80 ppb). <u>The Town remains compliant with TTHM levels.</u> 4th Quarter 2016 testing is scheduled for mid-November.
Water Restrictions	-	No restrictions are in effect for Town customers, and there are no current withdrawal restrictions. Our usage is currently around 1.338 MGD. Lake Orange is full according to my last report from Orange County.
Water System Flushing	-	The Fall water system flushing operations began on September 6th, and were completed on October 31st. The total volume flushed should be available in my next report.
"Unaccounted-for" Water	-	We will NOT have a Water Audit for FY16. Due to software issues, the Billing/Collections Department was unable to provide accurate data for several months, which compromised the integrity of the water audit. We had a few relatively small leaks repaired in September on Wake Street, Dixie Avenue, and Scottsburg Trail. Miscellaneous repairs have been proceeding as needed.
Miscellaneous Water Projects	-	A short connection and road crossing on NC 86 North at the BP station began construction in October, and should be completed this month. The 6" water line along US 70 between Walgreens and Orange High School Road was substantially completed in March, and customer connections completed in May (to eliminate an old 2" galvanized pipeline).
New South Zone Water Transmission Main	\$ 240,000	The utility easement for the proposed water meter vault at Davis Road has finally been acquired (on September 28th). A new meter vault, additional connections to our existing distribution system, demolition of the existing OWASA Booster Pump Station, and addressing emergency pumping issues from OWASA due to pressure zone changes are all parts of this project. The project will be primarily constructed in-house, after completing the current North Zone work.
Waterstone Elevated Water Tank	\$ 2,029,398	Tank was placed into service on June 25th, and an official opening ceremony held on June 29th. Tank construction is complete, final payment is being negotiated (due to contractor delays and liquidated damages), and close-out paperwork is being prepared. Tank construction began on 10/27/14, and final completion was scheduled by 11/9/15.
New South Zone Booster Pump Station	\$ 175,000	Construction of the Forest Ridge water booster pump station (BPS) has begun, and the water line from Executive Court to I-85 (which will link Forest Ridge to the South Pressure Zone) should begin later this year. Easements for the water line are currently being finalized. The BPS project is part of the next phase of Forest Ridge, and the Town's financial contribution to the project will add capacity to the BPS planned by the developer, to boost water to the South Zone and the Waterstone Tank.
NC 86 (South) Water Improvements	\$ 90,000	Surveying and design work is proceeding to extend a 12" (or 8") water line from the I-85 water line crossing near Orange Mobile Estates to the entrance to Hampton Pointe. Extension will enhance flow to and from the Waterstone Tank and areas north of I-85.
Sewer Rehabilitation & Repairs and Eno River Outfall Lining	\$ 250,000	The sewer relining along the Eno (and Riverwalk) was completed in January. Some additional sewer relining will be done later this fiscal year further down the river near the WWTP (contractor difficulties has caused delays, & we are seeking new contractor). Cleaning and reinspection of the Eno River Outfall and some contributing sewers occurred in August 2015, a few point repairs were completed in November 2015, and relining of a few hundred feet near the Post Office was completed in late November 2015.