

Stamford WPCA Top Issues (5-20-19)

No.	Issue	Action Description	Impact	Status	Schedule
1	Extreme wet weather - high flow discharge and permit exceedance on 5/1/14	Perform an Infiltration and Inflow (I/I) Study to identify and remove extraneous flows caused by rainfall and high groundwater	Regulatory and Operations	Phase I SSES (CCTV, smoke testing) and Pilot Area Sewer Rehabilitation has been completed	CDM Smith is completing the design of sewer and MH rehabilitation identified by Phase I SSES, and is preparing the report for the Phase II SSES, both to be completed in Spring 2019.
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	Executed agreement with C H Nickerson for Preliminary, Secondary and Disinfection Trmt Improvements on 5/14/19	Pre construction meeting scheduled for 6/4/19
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers are in service. Storage of sludge trailers on site is becoming a concern.	
4	WPCF evaluations and improvements	Study, design, and construct WPCF improvements to replace aged equipment and increase operations and energy efficiency.	Regulatory and Operations	See above for UV System	
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Project was rebid. Bids received on 5/16/19.	
6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Dyke Lane PS electrical upgrade project substantially complete. Clean up and site restoration in progress.	Rebid of electrical preventive maintenance (EPM) did not attract a bidder. Will contact EPM firms directly to request a price proposal.

7	Sludge dryer is having operational issues that are reducing its production from 25 dry tons per day (DT/D) to only 16 DT/D. Sludge incinerators in CT operating at capacity limiting our options for sludge cake disposal to landfills out of state. Landfills are becoming more restrictive on sludge cake disposal.	Synagro is currently evaluating the dryer operational issues and will make a recommendation. SWPCA needs to evaluate increasing sludge drying capacity (second dryer) as well as other long term options. Look at siting and cost for a storage building for sludge trailers to contain and treat odors.	Operations	The dryer poly cyclone has been plugging from fibers in the dried sludge. Synagro is evaluating modifying or replacing the poly cyclone.	SWPCA staff to present options for review by the Technical Committee at it June meeting.
8	Agreement with Darien expired on July 1, 2018	Negotiate new agreement for another 5 year term to include two (2) currently unmetered inter-connections and remote access of real time flow measurement at all meters to measure peak flows.	Operations and Financial	Draft of new Agreement was reviewed by SWPCA's legal counsel and forwarded to Darien. Darien Sewer Commission approved draft agreement with some changes and forwarded to their legal counsel for review.	
9	Funding of Capital Improvements for FY 18-19 and FY 19-20	Issue Revenue Bonds totaling \$19.6 million in May 2019 and \$20 million in 2020.	Financial	Met with Fitch Ratings on May 14 th and provided a tour of the WPCF. Rating call with S&P on 5/21.	Financial Advisor and Bond Counsel making preparations to go to market for \$15.7 million Revenue Bond issue in June 2019.
10	Have a number of open positions that are affecting adequate treatment plant staffing for 24/7 operation.	Fill open positions for Plant Supervisor, and Shift Foremen (2)	Regulatory and Operations	Some day-shifts are being supervised by Class III certified Plant Operators under supervision of Assistant Plant Supervisor as training to become Shift Foremen.	Will interview candidates for Plant Supervisor the week of May 27th.