

Stamford WPCA Top Issues (6-17-19)

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 has 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	UV Channel 2 was removed from service to troubleshoot electrical alarms that have sporadically shut down the UV lamps, and to replace electrical components that are suspected to be the cause as recommended by UV system manufacturer	Waiting for electrical components from UV manufacturer that are not available until late July. Two (2) new UV channels to be completed by June 2020 as part of the Preliminary, Secondary and Disinfection Treatment Improvements.
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers are in service.	
4	WPCF evaluations and improvements	Study, design, and construct WPCF improvements to replace aged equipment and increase operations and energy efficiency.	Regulatory and Operations	Had preconstruction meeting with C H Nickerson for Preliminary, Secondary and Disinfection Treatment Improvements on 6/4/19	C H Nickerson to mobilize on site in mid-July. Construction to start in earnest in August.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Interviewed firms who submitted proposals for LED lighting and selected Energy Resources.	LED lighting to be installed in Sludge Processing, Administration and Chemical Buildings in September.

6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Dyke Lane PS electrical upgrade project has been completed.	Meeting with firms interested in performing the electrical preventive maintenance (EPM). At least two (2) firms have indicated they will respond to a RFP.
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 sludge dryer operation has improved. Met with Synagro managers and staff engineer on 6/13 to discuss dryer operation.	Synagro to evaluate means to better clean the polycyclone that has been plugging from fibers in the dried sludge. SWPCA will evaluate adding another strain press to remove fiber from primary sludge. SWPCA will prepare a RFQ for a consulting engineer to do a Sludge Management Master Plan.
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	Darien has objected to the few contract language changes recommended by WPCA Attorney Tom Cassone.	WPCA Attorney Tom Cassone to speak with Darien's attorney to resolve disputed contract language.
9	Funding of Capital Improvements for FY 18-19 and FY 19-20	Issue Revenue Bonds totaling \$15.7 million in June 2019 and \$20 million in 2020.	Financial	Pricing for negotiated sale occurred on 6/12. True interest cost (TIC) on sale was 2.97%. Reduced the bond series from 30 years to 25 years, increasing annual debt service by \$20,000 but saving \$4.6 million in interest over life of bonds.	Bond issue to settle on 6/26. Annual debt service will average \$1,028,000 compared to FY 19-20 budget of \$1,268,333.
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 Acting Plant Supervisor.	Have interviewed two (2) candidates and will interview the remaining two (2) candidates for Plant Supervisor the week of 6/17.