

Stamford WPCA Top Issues (5-15-17)

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	Flow monitoring and pilot SSES for sub area with high I/I have been completed. Pilot SSES identified sewer and manhole rehabilitation totaling \$264,000.	Technical specifications for sewer rehab in SSES pilot area are complete and will be bid in June 2017.
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	UV system design project kick-off meeting held on May 10th	Complete design by July 2018
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers and carbon canisters are on line and working effectively. Synagro is investigating the addition of a mist venture scrubber to reduce solids buildup in the odor control scrubber for the dryer building.	Schedule for construction of storage building to house sludge trailers needs to be reviewed in light of other capital project needs.
4	WPCF evaluations and improvements	Engineering evaluations required in response to USEPA Admin Order. Study, design, and construct WPCF improvements to replace aged equipment and increase operations and energy efficiency.	Regulatory and Operations	Wright-Pierce has completed first workshops with SWPCA staff for design of Preliminary and Secondary Treatment Improvements.	New SCADA system is operational and going through punch list. C H Nickerson is ahead of schedule on construction of Flow Distribution Improvements.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Energy audit funded by Eversource being completed by JK Muir. Received incentive of \$59,360 from Eversource for ECM associated with	Prepare RFP for conversion to LED lighting at WPCF by July 2017. Currently evaluating possible use of fuel cells at WPCF.

				Flow Distribution Project.	
6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Technical specifications for electrical system preventive maintenance for WPCF and PS have been completed.	Electrical preventive maintenance contract has been advertised for bid opening in June. Holzner Electric Co. to begin construction of Dyke Lane PS electrical upgrade in May 2017 pending CAM review.
7	Replace equipment in Primary Clarifier No.2	Replace equipment in Primary Clarifier No. 2 which is over 40 years old and in danger of a major failure.	Operations	Negotiating equipment replacement cost and schedule for delivery with equipment manufacturer.	Lead time for equipment delivery is 12 to 20 weeks after shop drawing approval depending on manufacturer.
8	Update and revise SWPCA's written policies and procedures	Update SWPCA policies and procedures to describe current practices and provide guidance to SWPCA Board, staff and customers.	Operations and Financial	Proposed City ordinance describing responsibility for building lateral maintenance and repair was revised and is being reviewed by BOR Operations Committee.	SWPCA personnel policies have been assembled into a draft employee handbook by SWPCA Admin Staff for Operational Policies Sub Committee review and approval in June 2017. Finance Committee, A&W and SWPCA Staff working on revising policies for collection of past due user charges and sewer assessment and connection charges.
9	Perna Lane Area Sewer Project	Construction of Perna Lane Area Sewer Project	Operations	Design plans and specifications are being reviewed by City Engineering and EPB.	Go to bid by July 2017.