

Stamford WPCA Top Issues (9-15-17)

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.	Received bids for sewer rehab in SSES pilot area; contract to be awarded by October 1. Have started next phase of SSES including CCTV inspection and smoke testing of selected subareas.
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	Hazen Engineers presented the draft Basis of Design Report for the UV system upgrade to the Technical Committee on 9/13.	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.	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 Engineers presented the draft Preliminary Design Reports for the RSPS Upgrade and Secondary Treatment Improvements on August 10.	C H Nickerson is ahead of schedule on construction of the Flow Distribution Improvements Project, with construction to be completed by December.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Energy audit funded by Eversource has been completed by JK Muir. Received incentive of \$59,360 from Eversource for ECM associated with	Proposal by Graybar for replacement of exterior light fixtures to LED to be reviewed by Board at September meeting.

				Flow Distribution Project.	
6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Received bids for electrical preventive maintenance; contract to be awarded soon.	Holzner Electric Co. has begun construction of the Dyke Lane PS electrical upgrade project.
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	Work begun by contractor (Northeast Water). Awaiting fabrication and delivery of clarifier equipment.	Primary clarifier No. 2 equipment scheduled to be installed in December-January.
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 has been approved by BOR Operations Committee.	SWPCA personnel policies have been assembled into a draft employee handbook for Board review.
9	Information Technology Security	Provide security of SWPCA's computer based systems (SCADA System)	Operations	Firewall for upgraded SCADA system has been installed and the firewall programming configured. SCADA system has not yet been connected to the internet.	SCADA system security to be verified and tested prior to connection to the internet in October 2017.