

### Stamford WPCA Top Issues (6-16-17)

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 July 2017. Next phase of SSES to start in summer 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 up to 3 – 440 kW fuel cells by Doosan at WPCF under a 20 year power purchase agreement.

				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 on 6/20. Holzner Electric Co. to begin construction of Dyke Lane PS electrical upgrade upon receipt of building permit.
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	Have negotiated equipment replacement cost and schedule for delivery with equipment manufacturer and installer. 12 -14 week lead time for equipment.	Proposal by Northeast Water (installer) and OVIVO (equipment manufacturer) to replace equipment in Primary Clarifier No. 2 for \$324,000 is on Board agenda for approval (requires bid waiver).
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 for public notice.	SWPCA personnel policies have been assembled into a draft employee handbook by SWPCA Admin Staff for review by Operational Policies Sub Committee. Finance Committee has approved policies and procedures for collection of past due user charges for Board review and approval.
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 summer 2017.