

Stamford WPCA Top Issues (3-6-17)

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 has been completed. Pilot SSES identified sewer and manhole rehabilitation totaling \$264,000. Preparing technical specifications for sewer rehab for bidding.	CTDEEP has approved the I/I Study Report and CDM Smith's proposal for next phase of the I/I program, including computer modeling of the interceptor system for hydraulic capacity and the Sewer System Evaluation Study (SSES). Second Amendment to Agreement with CDM Smith on Board agenda for review.
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	Hazen and Sawyer Engineers presented scope of work and estimated fee for design to Technical Committee in February 2017.	Prepare agreement with Hazen and Sawyer Engineers for Board review in April 2017
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers and carbon canisters are on line. Adding sodium hydroxide for pH control to primary clarifiers / thickeners and solids processing building scrubbers, and will be adding to raw sewage pumping building scrubber as well.	Schedule for construction of storage building to house sludge trailers needs to be reviewed in light of other capital projects 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	Have converted four PLC's to new SCADA system. Wright-Pierce began design of Preliminary and Secondary Treatment Improvements in February 2017.	Installation of new SCADA system to be completed by 4/3/17. C H Nickerson to begin construction of Flow Distribution Improvements in May 2017.

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 Flow Distribution Project.	Prepare RFP for conversion to LED lighting at WPCF by April 1, 2017.
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.	Bid electrical preventive maintenance contract this spring. Receive authorization from EDA to proceed with construction of Dyke Lane PS electrical upgrade. Holzner Electric Co. to begin construction in May 2017
7	Connect to Existing Sewer	Enforcement of City ordinance to connect to existing sanitary sewer within 180 days after notification. Identify and bill those connected to a sanitary sewer but not being billed.	Protect public health and expand customer base.	Have retained a seasonal employee to investigate and identify properties not connected to existing sanitary sewer, or connected to sewer but not being billed.	
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 which was presented to Operational Policies Sub Committee in December. Finance Committee, A&W and SWPCA Staff working on revising policies for collection of past due user charges and sewer and connection charges.
9	Perna Lane Area Sewer Project	Begin construction of Perna Lane Area Sewer Project	Operations	Design plans and specifications submitted to City Engineering and EPB for review.	Go to bid by June 2017. Need to use 2015 revenue bonds.

