

Stamford WPCA Top Issues (12-18-17)

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	Kenyon Pipeline starting sewer rehabilitation in the pilot sewer sub area determined to have high I/I. CDM Smith has completed next phase of SSES including CCTV inspection and smoke testing of selected subareas.	Complete sewer rehab in pilot area and draft report on SSES of next sewer sub areas by spring 2018.
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	Hazen Engineers has completed the draft Basis of Design Report for the UV system upgrade and is currently working on the RFP for selection of the UV equipment.	Issue RFP for selection of UV equipment in January. Complete design by September 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.	
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 has completed the Preliminary Design Reports for the RSPS Upgrade and Secondary Treatment Improvements and has begun final design.	C H Nickerson is ahead of schedule on construction of the Flow Distribution Improvements Project, with construction to be completed by end of December 2017. Wright-Pierce to complete design by August 2018.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Received incentive of \$59,360 from Eversource for ECM's from the Flow Distribution Project.	Graybar has started replacement of exterior light fixtures to LED in December.

6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Reuter Hanney has been awarded the contract for electrical preventive maintenance / arc flash protection.	Construction of the Dyke Lane PS electrical upgrade project to be completed by April 2018.
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	Clarifier equipment to delivered on December 18 th .	Primary clarifier No. 2 equipment scheduled to be installed in January - February.
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	SWPCA personnel policies have been edited into a single document which was reviewed by the Operational Policies Committee, and forwarded to the Board for 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 January.
10	Sludge Dryer Operation	Current Agreement with Synagro for Sludge Dryer Operation and Sludge Transport and Disposal expires in March 2019	Operations and Financial	Investigating our sludge processing, drying, transportation and disposal options and costs	