

Stamford WPCA Top Issues (10-15-18)

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 completing sewer rehabilitation in the pilot sewer sub area determined to have high I/I. Plant experienced very high flows and reached its maximum capacity on 9/25 and 10/2 due to heavy rains.	Kenyon Pipeline to complete manhole rehabilitation by October. Begin Phase II SSES (manhole inspections and smoke testing) on 10/15..
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	Power bump that occurred during storm event and high plant flows on 9/25 caused UV system to malfunction, resulting in a permit exceedance.	UV System Upgrade Design is 95% complete. Will schedule workshop to review 95% design by November 1 st .
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	CTDEEP has approved the design of the RSPS Upgrade and Secondary Treatment Improvements.	Wright Pierce to finalize the design and provide plans and specifications ready for bid in November.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Completed replacement of exterior light fixtures to LED. Received energy efficiency incentive of \$28,079 from Eversource for control of RAS pumps.	Have issued RFP to install LED lighting in Admin/Operations Building, Sludge Processing Building and Chemical Building.

6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Will meet with Reuter Hanney on 10/17 regarding completion of the electrical preventive maintenance at the treatment plant.	Dyke Lane PS electrical upgrade project to be completed by Nov 2018.
7	Sludge Dryer Operation	Current Agreement with Synagro for Sludge Dryer Operation and Sludge Transport and Disposal expires in March 2019	Operations and Financial	Met with Synagro on 8/2 to review issues and framework for cost proposal.	Synagro to submit cost proposal the week of 10/15.
8	Agreement with Darien expired on July 1, 2018	Negotiate new agreement for another 5 year term to include two (2) currently unmetered inter-connections and remote access of real time flow measurement at all meters to measure peak flows.	Operations and Financial	Met with Darien on 9/7, 9/21 and 10/5. Have exchanged proposed changes to Agreement.	Will meet with Darien on 10/19 to continue negotiations.
9	CTDEEP changed their requirement for recording and reporting of low UV dose, making it more restrictive, increasing the likelihood that we will have a permit exceedance .	Petition CTDEEP to allow us to record and report UV dose using the same procedures used by other plants in CT that are far less restrictive.	Regulatory	Have requested a meeting with CTDEEP to petition for a change in the way we record and report low UV dose.	
10	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's user charge and collection procedures have been updated and a draft has been submitted to the Finance Committee for review.	Finance Committee to review draft of changes to billing and collection procedures.