

Stamford WPCA Top Issues (5/17/21)

No.	Issue	Action Description	Impact	Status	Schedule
1	COVID-19 Outbreak	Take action to reduce impact on SWPCA Operations and Finances	Operations and Financial	No positive COVID cases since last Board meeting. 39 staff have received at least one vaccine shot	Operators, mechanics and lab staff are all following normal work schedule. Admin staff working on site and home in staggered schedule.
2	42" Diameter Force Main from Raw Sewage Pumps Station to Primary Clarifiers developed a longitudinal crack and required repair.	Investigate force main condition to determine need for lining or replacement. Complete force main lining or replacement as soon as practicable.	Operations and Financial	Received cost proposals for lining the force main from two lining contractors. Bid waiver for award of lining contract on the Board meeting agenda.	Excavate and remove 45 degree bends on force main to allow lining contractor to measure the force main this week. Install liner the first week of July.
3	UV System Performance and Permit Exceedances	Upgrade UV System adding 2 new UV channels for system redundancy during peak flow and replacing aged Wedeco UV equipment with Trojan.	Regulatory and Operations	Will test use of radar level sensor in one UV channel.	C H Nickerson is completing work on the 3 rd UV channel with performance testing the first week of June.
4	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	Phase II SSES (CCTV, manhole inspections and smoke testing) have been completed.	Resumption of work on Phase I (A) sewer rehabilitation by Kenyon Pipeline to begin shortly.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Received payment of Eversource cash incentive for LED lighting and UV system upgrade.	Eversource to provide \$469,695 cash incentive for energy efficiency measures used in Primary and Secondary Treatment Improvements
6	Personnel Safety	Comply with requirements for arc flash protection.	Operations		Siemens is continuing performing electrical preventive maintenance (EPM) on electrical switchgear at treatment plant and four (4) pump stations.

7	Sludge dryer before explosion was operating close to its capacity and there are limited options for disposal of sludge cake due to incinerators operating at their capacity and landfills that are closing, or won't accept sludge cake.	SWPCA needs to evaluate its future options for sludge processing and disposal and develop a long term Sludge Management Plan.	Operations	Hazen's sub consultant Materials Matters, presented the findings of their sludge end use market survey to the Technical Committee on May 4 th .	Will complete Task 1 and 2 of study by this summer with Task 3 and 4 to be done in FY22. Expect 16 months to complete the Sludge Management Plan (summer of 2022).
8	WPCF evaluations and improvements	Study, design, and construct WPCF improvements to replace aged equipment and increase operations and energy efficiency.	Regulatory and Operations	Work is now focused on new aeration blowers, and installing new mechanical screen and raw sewage pumps in Raw Sewage Pump Station (RSPS).	Two (2) new raw sewage pumps and two (2) new aeration blowers scheduled for start-up this week. Project to be substantially complete in October
9	Perna Lane Area is in need of sanitary sewers due to failing septic systems.	Evaluate cost effective options for providing sanitary sewers to the Perna Lane Area that avoid deep sewers (in rock) in High Ridge Road.	Operations	Most cost effective option will include a combination of gravity and low pressure sewers.	Project is currently on hold pending receipt of petition signed by 2/3 of property owners in favor of the sewer project.