

Stamford WPCA Top Issues (8/12/20)

No.	Issue	Action Description	Impact	Status	Schedule
1	COVID-19 Outbreak	Take action to reduce impact on SWPCA Operations and Finances	Operations and Financial	Supervisors, operators, mechanics, electricians and lab staff have returned to normal work schedule. Admin staff working from home and coming to site on staggered work days as necessary to conduct business.	Will adjust based on response to pandemic and direction by Governor and Mayor.
2	Sludge dryer had an explosion on 8/1/19 that resulted in damage to the dryer equipment and building. Currently hauling sludge cake at additional cost until dryer can be repaired and put back in service.	Need to replace damaged dryer equipment and building window, doors, skylights and masonry damaged by explosion.	Operations and Financial	Equipment damaged by explosion has been replaced, including repairs to furnace, dryer drum and condenser. Installing insulation, safety equipment and completing building repairs.	Sludge dryer repairs expected to be completed by September.
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	Two (2) new UV channels have been put in service. Had two (2) minor permit exceedances during equipment performance testing and first week of operation. UV system is undergoing evaluation by manufacturer.	Third new UV channel to be completed by end of 2020.
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 I SSES (CCTV, smoke testing) and design have been completed.	Phase 1A sewer rehabilitation by Kenyon Pipeline has begun.

5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Installation of interior LED lighting is complete.	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	Dyke Lane PS electrical upgrade project has been completed.	Siemens to perform electrical preventive maintenance (EPM) starting in August.
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	Technical Committee interviewed four consulting firms and made a selection. Selected firm to present proposed scope of work and fee to Technical Committee at its September meeting.	Expect 12 to 18 months to complete the Sludge Management Plan.
8	WPCF evaluations and improvements	Study, design, and construct WPCF improvements to replace aged equipment and increase operations and energy efficiency.	Regulatory and Operations	2,000 kW generator has been set in place. Work on aeration tanks will continue through the summer.	Work on Raw Sewage Pump Station to begin by end of summer. Overall construction to be complete by June 2021.
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	Sent survey to property owners in March. Survey responses by area and street have been posted on SWPCA's web site.	Have received additional responses to a 2 nd survey. Survey results to be presented to Technical Committee and the Board in August.