

### Stamford WPCA Top Issues (5-18-20)

No.	Issue	Action Description	Impact	Status	Schedule
1	COVID-19 Outbreak	Take action to reduce impact on SWPCA Operations and Finances	Operations and Financial	Operators, mechanics, electricians and lab staff are returning to normal work schedule starting May 26 <sup>th</sup> . Admin staff working from home and coming to site only 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 is ready for shipment. Issued PO for other equipment and repairs by Andritz totaling \$2.3 million.	Secondino & Sons to start work on dryer repairs this week. 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	No UV exceedances since September 2019.	Construction of two (2) new UV channels to be completed by June 2020 as part of the Preliminary, Secondary and Disinfection Treatment Improvements.
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 Pilot Area Sewer Rehabilitation have been completed. Met with CTDEEP on 1/21 to review I/I Removal Program and Phase II SSES Report.	CDM Smith has completing the design of sewer and MH rehabilitation identified by Phase I SSES. Phase 1A sewer rehabilitation work begun in March is currently suspended by contractor due to COVID-19 concern.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial		Energy Resources to install interior LED lighting in Administration, Operations, Sludge Processing and Chemical Building this spring.

6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Dyke Lane PS electrical upgrade project has been completed.	Selected Siemens to perform electrical preventive maintenance (EPM). Agreement has been prepared for Board approval.
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. Staff will meet with the selected firm to negotiate the scope of work and fee.	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	C H Nickerson continuing work on the two (2) new UV channels and the new 2000 kW Generator.	Two (2) new UV channels to be completed by June 2020. Work on aeration tanks to begin June 1 <sup>st</sup> . Work on Raw Sewage Pump Station to begin this 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.	Board to consider sending survey for 2 <sup>nd</sup> time to those that did not respond.