

Stamford WPCA Top Issues (9-16-19)

No.	Issue	Action Description	Impact	Status	Schedule
1	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.	Cost of repairs is estimated to be as high as \$10 million and will take at least 9 months to complete. Most costs to be paid by insurance.	Tighe & Bond has been retained by the City to manage the dryer repair and is reviewing the proposal by Andritz for replacing the damaged equipment. They have also prepared drawings and specifications for the equipment demolition.	Issue PO to Andritz for replacement equipment and send RFP to contractors for demolition work by September 20 th .
2	UV System Performance and Permit Exceedances	Install temporary liquid chlorine disinfection and dechlorination to provide effluent disinfection if the UV system malfunctions.	Regulatory and Operations	A loose connection that caused UV exceedance on 9/3/19 has been fixed. Permit application and installation of temporary liquid chlorine disinfection system has been put on hold	Construction of two (2) new UV channels to be completed by June 2020 as part of the Preliminary, Secondary and Disinfection Treatment Improvements.
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers are in service. Sludge trailers have increased odors.	
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 has been completed	CDM Smith has completing the design of sewer and MH rehabilitation identified by Phase I SSES. Phase 1A sewer rehabilitation to be done this fall. Report for the Phase II SSES to be submitted to CTDEEP.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Interviewed firms who submitted proposals for LED lighting and selected	LED lighting to be installed in Sludge Processing, Administration and Chemical Buildings this fall.

				Energy Resources.	
6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Dyke Lane PS electrical upgrade project has been completed.	RFP for performing the electrical preventive maintenance (EPM) has been issued. At least two (2) firms have indicated they will respond to the RFP.
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	Have met with consulting engineers who are interested in performing the work to help identify options to be considered.	SWPCA will prepare a draft RFQ for a consulting engineer to do the study to present to the Technical Committee at its October meeting.
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 has begun construction of the two (2) new UV channels and is working in the bioreactors.	Two (2) new UV channels to be completed by June 2020. Overall construction to be complete by June 2021.
9	Stamford Housing Authority's payment of sewer user charge for Oak Park	Stamford Housing Authority (SHA) contends that it should not have paid for sewer use for its Oak Park development since they make PILOT payments to the City for the State Moderate Rental development in accordance with State statute. SHA contends that the PILOT payments are for all city services, including sewer use.	Financial	Met with SHA on July 16 th . Reviewing correspondence dated August 9 th requesting a refund of sewer use charges paid for Oak Park totaling \$106, 403 for sewer use payments made since 2011.	Will need to meet with the City to confirm that the PILOT payments were made and to request reimbursement of the sewer use charges from SHA's PILOT payments to the City.
10	Have a number of open positions that are affecting adequate treatment plant staffing for 24/7 operation.	Fill open positions for Plant Supervisor and Shift Foremen (2).	Regulatory and Operations	Some shifts are being supervised by Class III certified Plant Operators under supervision of Acting Plant Supervisor.	