

Stamford WPCA Top Issues (2-20-15)

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	Currently installing 44 flow meters in collection system manholes. Received agreement from CT DEEP for planning grant of 55% of I/I Study cost.	Begin flow monitoring in Spring 2015
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	Installed new UV transmittance monitor to replace defective unit. UV disinfection system has been performing satisfactorily.	Will conduct performance testing of programming changes, investigate adding a UPS for the UV system controls (PLC), and install wiring from flow sensors in separate conduit as recommended by Siemens when weather permits.
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers are on line. Installation of carbon canisters at raw sewage PS and sludge trailer has been delayed due to cold weather.	Only one bid for the odor control ductwork modifications inside sludge dewatering building was received for \$116k. Bid was very high compared to Engineer's estimate of \$70k. Exploring doing the work with WPCA staff at much less cost.
4	Reimbursement by City of non-sanitary sewer related costs	Reimbursement by City of non-sanitary sewer related costs for the Carriage Drive Sewer Project	Financial	Met with Ernie Orgera and Lou Casolo, City Engineer, to review City's share of the Carriage Drive Project costs on 1/22/15. City needs to determine how it will fund its share of project costs.	
5	\$1.265 million of Carriage Drive Project remains unfunded.	Transfer \$1.265 M of 2009 BAB's GO Bond proceeds used to fund Storm Water Pump Stations and Mill River Project to fund Carriage Drive Project.	Financial		Will schedule meeting with City and members of Finance Committee to discuss by 4/1/15.

6	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	Engineers have completed their studies of 1) Upgrade of the Raw Sewage PS, 2) Flow distribution to the Secondary Clarifiers, UV system replacement cost and effluent pumps, and 3) SCADA system upgrade.	Wright-Pierce to complete the study of the upgrade of the aeration blowers by June 2015. Scope of work and fee has been reviewed by Technical Committee and Amendment to agreement with Arcadis for the design of the SCADA system upgrade has been prepared for WPCA Board review on 2/23/15.
7	Connect to Existing Sewer	Enforcement of City ordinance to connect to existing sanitary sewer within 180 days	Protect public health and expand customer base.	Letter to property owners not connected to an existing sanitary sewer has been reviewed by City legal and is ready to be mailed.	Mail letter to those not connected by March 1st. City legal department to enforce City ordinance requiring connection within 180 days of notice.
8	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Selected Tighe & Bond to provide arc flash analyses and training. Scope of work and fee for Phase I has been reviewed by Technical Committee.	Engineering Agreement for Phase I has been prepared for Board review on 2/23/15.
9	GIS Mapping of Sanitary and Storm Sewer System	Mapping of Sanitary and Storm Sewer System in GIS required by WPCA's CMOM Program and City's MS4 Permit	Regulatory and Operations	Sanitary sewer GIS mapping is 90% complete and storm sewer is 35% complete	Revised CDM Smith's tasks and budget to provide additional field verification to allow completion of GIS mapping of sanitary sewer by 5/1/15 and storm sewer by 8/1/15
10	Computerized Maintenance Management System (CMMS)	Implement CMMS for SWPCA operations (WPCF, collection sewers and pumping stations).	Operations	Training of staff in use of CMMS for the WPCF occurred on 2/4/15.	Completion of templates for WPCF equipment is ongoing.