

### Stamford WPCA Top Issues (1-12-15)

No.	Issue	Action Description	Impact	Status	Schedule
1	Extreme wet weather - high flow discharge and permit exceedance on 5/1/14	Implement Infiltration and Inflow (I/I) Study and develop Standard Operating Procedures (SOP) for extreme high flow events	Regulatory and Operations	CT DEEP has approved scope of work for the I/I Evaluation and SSES Pilot Area Program. Executed agreement with CDM Smith.	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	Siemens technician's change to flow sensors' controllers improved UV channel flow readings. Modified UV system programming for system restart following a power failure.	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 by 2/28/15.
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers are on line. Currently Installing carbon canisters at raw sewage PS and sludge trailer.	Bids for odor control ductwork modifications inside sludge dewatering building due on 1/28/15.
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	Submitted estimate of non-sanitary sewer related costs to City on 11/24/14	Need to meet with City Engineer to resolve costs to be reimbursed to WPCA.
5	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 evaluation and submitted draft reports on the 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 needs assessment.	Wright-Pierce has started work on the study of the upgrade of the aeration blowers. Arcadis is preparing life cycle cost analyses for alternative hardware and software for the SCADA system upgrade to present their recommendations to Technical Committee in February 2015.

6	Connect to Existing Sewer	Enforcement of City ordinance to connect to existing sanitary sewer within 180 days	Protect public health and expand customer base.	Draft letter sent to city legal department for review	Use City legal department to enforce City ordinance requiring connection. Send letters advising of City ordinance requiring connection by end of January.
7	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Selected Tighe & Bond to provide arc flash analyses and training. Proposed scope and fee to be reviewed by Technical Committee on 1/14/15.	Begin Phase 1 in spring 2015
8	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
9	Computerized Maintenance Management System (CMMS)	Implement CMMS for SWPCA operations (WPCF, collection sewers and pumping stations).	Operations	Completion of templates for WPCF equipment is ongoing.	