

Stamford WPCA Top Issues (3-16-15)

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	44 flow meters have been installed in collection system manholes. Received agreement from CT DEEP for planning grant of 55% of I/I Study cost.	Collect flow data for one year. Evaluate flows during a major storm/high flow events to identify areas experiencing excessive infiltration and inflow for further study.
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	UV disinfection system has been performing satisfactorily with a few exceptions (signal spikes). Replacing UV transmittance monitor with different manufacturer after poor performance of the latest supplied unit	Will conduct performance testing of programming changes, will add 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, almost double Engineer's estimate. 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 April 1

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. Arcadis to complete the design of the SCADA system upgrade by October 2015.
7	Connect to Existing Sewer	Enforcement of City ordinance to connect to existing sanitary sewer within 180 days after notification	Protect public health and expand customer base.	Letter to property owners not connected to an existing sanitary sewer under review by City. Need to determine next step(s) when someone does not connect after notification to connect.	
8	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Board approved agreement with Tighe & Bond to provide arc flash analyses and training. Waiting on execution of agreement.	Tighe & Bond to complete initial evaluation and training by June 2015.
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	Legal Services	Retain outside legal counsel for SWPCA	Legal	Selection Committee chose Halloran & Sage LLP to provide legal services. Draft agreement has been prepared by City legal department.	Execute agreement with Halloran & Sage by May 1 st .