

### Stamford WPCA Top Issues (8-17-15)

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	65 flow meters have been installed in collection system manholes to 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.	Use flow data to identify those areas having high flows for Sewer System Evaluation Survey (SSES) using CCTV internal pipe inspection and smoke testing starting this fall. A sub area has been identified for a pilot SSES.
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 (occasional dosage spikes, and one channel shut down on 6/17 for 15 min. due to tripped circuit breaker). Testing of programing changes requires temporary shutdown of UV system.	Will drain a primary clarifier and refill it to avoid discharge of non disinfected effluent while testing programming changes to UV system.
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers and carbon canisters are on line. Tech Committee has approved conceptual design of a storage building to house the sludge and screenings and grit trailers.	Select an engineer to design a storage building for sludge and screenings and grit truck trailers this fall.
4	2015 Revenue Bond Issue	Issue Revenue Bonds to refinance 2006 Revenue Bonds and fund planned capital improvements in FY16 and FY17.	Financial	\$31,575,000 revenue bonds successfully sold on 8/4 at a blended rate of 3.49%. Refinance has a PV savings of \$1.4 million	

5	Fill open positions	Fill Regulatory Compliance Inspector position (for FOG inspections) and Shift Foreman position that are open.	Operations	Regulatory Compliance Inspector position has been posted. Need to fill (new) Senior Shift Foreman (Class IV) and Shift Foreman (Class III) positions.	Fill Regulatory Compliance Inspector position as quickly as City hiring practices will allow. Board to discuss Senior Shift Foreman (Class IV) position description and funding of position at its August meeting.
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 submitted the draft report on the upgrade of the aeration blowers in July, start design before end of year. Arcadis to complete the design of the SCADA system upgrade by September 1 <sup>st</sup> . Begin design of upgrade of flow distribution to final clarifiers in fall 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.	Issue has been referred to Halloran & Sage for legal opinion. 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	Tighe & Bond provided staff safety training on arc flash awareness on 5/13. Tighe & Bond submitted initial evaluation report on 6/22.	Will review evaluation report to prioritize electrical equipment for arc flash evaluation and electrical system maintenance. Relocating control panel at Dyke Lane PS to address immediate arc flash safety concern.
9	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	M. Handler reports City will soon fund its share (\$1,069,000) of project costs.	
10	\$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.

