

Stamford WPCA Top Issues (11-16-15)

| 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 | 65 flow meters have been installed in collection system manholes to collect flow data for one year. Looking to extend the rental of the flow meters through June 2016 to capture a major storm/high flow events. | Three sub areas having high I/I flows have been identified for a pilot Sewer System Evaluation Survey (SSES) using CCTV internal pipe inspection and smoke testing to be done this fall. The first sub area of approximately 6,000 feet has been smoke tested by SWPCA staff. Other sub areas have been smoke tested by sub-contractor. |
| 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. Performance testing of programming changes was performed on October 27 th . | |
| 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. | Exploring option of using a prefab building purchased by the Fire Department. Also looking at issuing a RFP to design/build the storage building. Have contracted with scrubber manufacturer to install pH and ORP probe connections to odor control scrubbers' sump for better pH and ORP measurement. |
| 4 | Fill open positions | Fill Regulatory Compliance Inspector position (for FOG inspections) and Shift Foreman position that are open. | Operations | Jane Gibeault, Regulatory Compliance Inspector, started on 11/9. In negotiation with selected candidate for Shift Foreman position. | Fill open Shift Foreman position by end of November. Having discussions with union on position description for new Senior Shift Foremen (Grade 4) position. |

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| 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 | Design of SCADA system upgrade is complete. Had kick-off meeting for design of flow distribution improvements to secondary clarifiers on 11/13. Tech Com has approved scope of work and fee for design of RSPS and Blower Upgrade Project - submit to CTDEEP for approval. | Received qualifications from system integrators for installing the SCADA system upgrade. Will send RFP next week and schedule interviews in early January. Start SCADA implementation in Spring 2016. Start design of RSPS and Blower Upgrade in February 2016. |
| 6 | Personnel Safety | Comply with requirements for arc flash protection. | Operations | Have selected electrical equipment for arc flash analyses, preventive maintenance, and (for some Pump Station electrical equipment) total replacement, | Begin arc flash analyses for selected equipment by end of year. |
| 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 on options to enforce City ordinance to get properties to connect. | Ken Slater of Halloran & Sage to present options to Board at the December meeting |
| 8 | Update and revise SWPCA's written policies and procedures | Update SWPCA policies and procedures to describe current practices and provide guidance to SWPCA Board, staff and customers. | Operations and Financial | Subcommittees on Financial Policies met on 10/27 and Operational Policies met on 11/4. | Subcommittees to meet monthly. |
| 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. |