

Stamford WPCA Top Issues (4-16-18)

| 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 | Kenyon Pipeline completeing sewer rehabilitation in the pilot sewer sub area determined to have high I/I. CDM Smith has completed next phase of SSES including CCTV inspection and smoke testing of selected subareas. | Complete sewer rehab in pilot area and draft report on SSES of next sewer sub areas by spring 2018. |
| 2 | UV System Performance and Permit Exceedances | Improve reliability of UV disinfection system to avoid permit exceedances. | Regulatory and Operations | Hazen Engineers has completed the Basis of Design Report for the UV system upgrade. Selection Committee has selected Trojan UV equipment to be included in design. | Complete design by September 2018 |
| 3 | Odor Control | Minimize odors off site at treatment plant | Operations | All odor control scrubbers and carbon canisters are on line and working effectively. | |
| 4 | 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 | Wright-Pierce Engineers working on final design of the RSPS Upgrade and Secondary Treatment Improvements. | Wright-Pierce has submitted 60% complete drawings and is on schedule to complete design by July 2018 for submittal to CTDEEP. Bid project in fall 2018. |
| 5 | Reduce energy costs | Evaluate and implement energy conservation measures (ECM) | Operations and Financial | Completed replacement of exterior light fixtures to LED. | Will issue RFP by June to replace WPCF buildings' interior lights to LED. |

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| 6 | Personnel Safety | Comply with requirements for arc flash protection. | Operations | Reuter Hanney has been awarded the contract for electrical preventive maintenance / arc flash protection and will meet before 4/1/18 to schedule the work. | Construction of the Dyke Lane PS electrical upgrade project to be completed by Nov 2018. Waiting on electrical switchgear fabrication and delivery in May. |
| 7 | Replace equipment in Primary Clarifier No.2 | Replace equipment in Primary Clarifier No. 2 which is over 40 years old and in danger of a major failure. | Operations | Installation of Primary Clarifier No. 2 equipment has been completed. | . |
| 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 | SWPCA's user charge and collection procedures have been updated and a draft has been submitted to the Finance Committee for review. | |
| 9 | Information Technology Security | Provide security of SWPCA's computer based systems (SCADA System) | Operations | SCADA system is operational. Replacement of aged equipment PLC's has been completed for sludge dewatering equipment and UV equipment. | Arcadis continuing work on remaining SCADA system punch list, i.e. remote access to SCADA by operating staff. |
| 10 | Sludge Dryer Operation | Current Agreement with Synagro for Sludge Dryer Operation and Sludge Transport and Disposal expires in March 2019 | Operations and Financial | Addressing questions raised by Technical Committee. Investigating our sludge processing, drying, transportation and disposal options and costs | Technical Committee to make recommendation on future course of action by July 2018. |