



Trenton Water Works

Administrative Consent Order

ACO – What is it and why is it important



- The ACO is a formal agreement between the City and Department of Environmental Protection (DEP)
- The ACO requires operational improvements
- Development of an adequate Emergency Response Plan
- Staffing levels consistent with the current City org chart
- Reservoir Covering Project

ACO – What has been done?



- Last milestone submittal was May 31st 2018
 - Monthly reports
 - Staffing milestones were completed in February, March and April
 - An asset inventory list of the treatment plant, pump stations and reservoir was developed
 - An asset inventory list of the distribution system was submitted
 - Project updates have been submitted
 - Emergency interconnection agreements with New Jersey American and Aqua
 - Standard operating procedures have been updated and/or created
 - Initial employee training and refresher training has been performed and will be ongoing
 - Service interruption maps have been created

ACO – Next milestone June 30, 2018



What's due?

- Completion of required employee training
- Completion of Emergency Response Plan (ERP)
 - Updating of existing ERP
 - Improvements to community outreach
- Identify reservoir levels and indicate when actions are required for operations and when public notification is required
- Conduct an interconnection evaluation
- Monthly report

ACO – What's Next?



- All Standard Operating Procedures and Protocols will be evaluated by a third party, due December 31, 2018
- Computerized Maintenance Management System (CMMS) will be developed and completed by April 19, 2019
- Flow testing of all emergency interconnections will be performed by December 31, 2018
- Reservoir off line simulations and water modeling due at various months in 2019
- Monthly reports

Treatment Plant Update



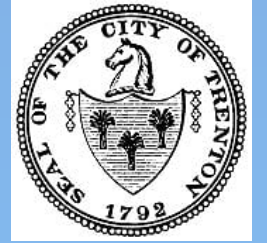
- Super Pulsators – 4 Total
 - Cleaning of SP 1 and 4 is complete
 - SP1 is filling and preparing to be operational by end of this week
 - SP4 will be online end of next week
 - SP2 and SP3 will be taken offline and will be cleaned and inspected
- Chlorine Contact Basin – 2 Total
 - Riverside basin is cleaned, inspected and fully functional
 - Riverside will be go online in coordination with SP4
- Sand Filters – 24 Total
 - Testing of the filter media is complete and final report will be submitted to DEP by end of month
 - We are in the process of replacement of filter media to ensure safe drinking water for today and in the future

Distribution System Update



- Full system unidirectional flushing will occur in the spring and in the fall
- During the winter and summer flushing of dead end mains and low flow areas will be performed
- Watermain valve exercising is underway
- Flow modeling is being performed to support projects to enhance water reliability and quality
 - Corrosion control
 - Reservoir Covering Project
 - Valve replacement identification

Lead Service Line Replacement



- Why is Trenton Replacing lead service lines?
 - In 2017 TWW exceeded the state and federal lead action level requiring the City to replace 7% of the lead service lines until the lead action level is no longer in exceedance
 - The current policy is to replace 2500 service lines
 - Project will starting in 2018 completing in 2020
 - Prioritization based on density of children, historic elevated levels, and combination with other on-going work in the area
 - Cost is \$1,000 per homeowner

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