

Real-Time Control - Tacony Creek Park Storage

Infrastructure Project

Tacony-Frankford Watershed



Contact: Marc Cammarata
215.685.4948
marc.cammarata@phila.gov

Status: Concept Design

Partners:

Philadelphia Water Department

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CSO outfall T14, a very large sewer (21' by 24'), discharges into the Tacony Creek during periods of moderate to heavier rainfall. T14 has a volume of approximately 10 million gallons and to use as much of this storage as possible, a control structure is needed in the sewer. Installation of a crest gate is proposed in order to retain flow within the sewer. This gate will reduce CSO discharges to the creek by utilizing the relief sewer for in-system storage. This control technology provides an additional margin of protection against dry weather overflows while still maintaining flood protection for upstream communities. The crest gate retains the stored flow in the relief sewer and a new connector pipe drains the stored flow to an existing nearby interceptor.



Benefits:

- The Tacony Creek will realize a consistent average annual reduction of approximately 600 million gallons in CSO discharges with the completion of both the Rock Run Relief and T14 Real-time Control Projects.
- This represents a reduction of roughly 12% in the average annual volume of CSO and a significant reduction in the associated pollutants (bacteria and organic matter from untreated wastes, litter and other solid materials in both wastewater and stormwater runoff, etc.)



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