

# NE WPCP Wet Weather Treatment Expansion - Phase II

## Infrastructure Project

## Multiple Watersheds



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**Status:** Concept Design

### Partners:

Philadelphia Water Department

PWD Capital Budget

## NE WPCP Wet Weather Treatment Expansion - Phase II...

The PWD has initiated numerous programs with the goal of minimizing the impact and frequency of CSOs on local receiving waters. One way of meeting this goal is to maximize the flow being treated by water pollution control plants (WPCP). The objective of this plan is to improve the performance of the Northeast WPCP under wet weather flow conditions by implementing modest capital improvements and operational changes.

A third conduit from the Preliminary Treatment Building to Set 1 Primary Sedimentation Tanks is required to lower plant hydraulic grade line at higher flow rates. The third conduit is sized to match the size of the two existing conduits, each 7 by 7 feet and with a venturi flowmeter. The length of the conduit is about 85 feet.

### Benefits:

- Improves wet weather performance of the treatment facility
- Increase the secondary plant capacity to 435 MGD



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