

NE WPCP Wet Weather Treatment Expansion - Phase I

Infrastructure Project

Multiple Watersheds



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

Status: Closed

Partners:

Philadelphia Water Department

PWD Capital Budget

NE WPCP Wet Weather Treatment Expansion - Phase I...

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. The secondary clarifiers at the NEWPCP are susceptible to solids loading failure under high flow conditions. This project identified upgrades that improve the hydraulic and solids loading distribution between the clarifiers by improving the mixed liquor channel and improving flow measurement between sets of clarifiers.



Benefits:

- Improves wet weather performance of the treatment facility
- Reduces solids loading on the secondary clarifiers
- Improves mixed liquor channel to secondary clarifiers 9 through 16
- Introduces polymer addition on clarifiers to maintain effluent quality
- Automation of step feed operation for aeration tanks



Clean Water.....
Green City
www.phillyriverinfo.org

