Advancing Multiple Municipal Objectives through the Combined Sewer Overflow Permit

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www.nj.gov/dep/dwq/cso.htm
Outline

I. CSO Basics
II. Highlight of the Permit
III. Strategies for advancing Multiple Objectives through the Permit
Over a 20 year period, spending $1 on highways and streets results in $0.35 in total tax revenue; $1 spent on sewer and water produced $2.03 in tax revenue.

“relative scarcity of spending in these areas of late means that future spending will lead to increased economic benefit”
Highlights of the Permit: Long Term Control Plan

1. System Characterization
   - System Characterization Work Plan
   - System Characterization Report
   - Public Participation Process Plan
   - Consideration of Sensitive Areas Information

2. Development and Evaluation of Alternatives

3. Selection and Implementation of Alternatives
Highlights of the Permit: Long Term Control Plan

CSO Control Alternatives

1. Green Infrastructure
2. Increased storage capacity in the collection system
3. Expansion and/or storage at the sewage treatment plant
4. Infiltration and Inflow reduction
5. Sewer separation
6. Treatment of the CSO discharge
7. CSO related bypass of the secondary treatment portion of the Sewage Treatment Plant
Highlights of the Permit: Nine Minimum Controls

Example of Current Sign

Example of Previous Sign

WARNING
POSSIBLE SEWAGE OVERFLOWS DURING AND FOLLOWING WET WEATHER
CONTACT WITH WATER MAY ALSO CAUSE ILLNESS

AVISO
POSIBLES DESBORDAMIENTOS DE AGUAS NEGRAS DURANTE Y DESPUÉS DE EVENTOS DE LLUVIA
EL CONTACTO CON ESTA AGUA PUEDE CAUSAR ENFERMEDADES

- REPORT DRY WEATHER DISCHARGE TO NJDEP HOTLINE AT: 1 (877) 927-6337 (WARN-DEP)
- REPORT FOUL ODORS OR UNUSUAL DISCOLORATION TO NJDEP HOTLINE OR PERMITTEE AT: (555) 565-5555
- NJPDES PERMIT NUMBER: NJ001A
- DISCHARGE SERIAL NO. 001A

WWW.STATE.NJ.US/DEP/DWQ/CSO.HTM
Advancing Multiple Municipal Objectives

Leverage what you are already doing & accelerate what you may hope to do

- REUSE OF ABANDONED LOTS
- REDUCE LOCALIZED FLOODING
- IMPROVING WALKABILITY
- PUBLIC OUTREACH
- LOCALIZED JOB CREATION
- INFRASTRUCTURE UPGRADES
- WATERFRONT ACCESS
- BIKEABILITY
- PARK DEVELOPMENT
- RESILIENCY
- WATER CONSERVATION
- PUBLIC ART
- REDUCING HEAT ISLAND EFFECT
- INCREASE PROPERTY VALUES
- STREET SCAPES
- TREE PLANTINGS
- URBAN GARDENING
- TRAFFIC CALMING
- REDEVELOPMENT
Upgrading Infrastructure to support Redevelopment

**Boundaries:** Bounded by Union County College to the west, Amtrak rail line to the south and east, and Westfield Avenue to the north.

**PURPOSE**

Through controlled redevelopment the City will realize the maximum potential for commercial and residential development in this key “center city” area. It may also provide an opportunity to provide senior housing. It will produce jobs especially in the office/service-sector.

Finally, it will create a positive impact on the entire CBD by improving the City’s visual image, providing additional amenities for residents, shoppers, and workers and maintaining and enhancing environmental quality.
The Passaic Valley Sewerage Commission (PVSC) completed a green infrastructure demonstration project behind School 5 on Monday morning installing a 2,500-gallon cistern that will collect rainwater from a nearby roof for use in watering vegetation at the Elysian Fields Community Garden.
Reducing Localized Flooding
Park Development

Hoboken Southwest Park

- Utility Storage Building
- Dog Run
- Permeable Paving
- Rain Garden
- Benches
- Movable Cafe Tables
- Planting Bed
- Pop-Up Market Zone
- Temporary Closing of Observer Hwy for Special Events
- Phase 1 | Site Plan

- Bus Stop Shelter
- Bioswale Bump-Out
- Woodland Edge
- Child Friendly-Interactive Park Feature
- Multilevel Seating
- Event Space
- Planting Bed
- Benches
- Rain Garden
- Bioswale Tree Pits
Program Overview

The objectives of DC Water Works! include:

- A targeted campaign to advertise DC Water jobs to local residents
- Collaboration with District job training and apprenticeship programs
- Coordinated and incentive-based program to encourage DC Water contractors to interview and hire additional District residents
Philadelphia Water and PowerCorpsPHL: ‘Perfect Pipeline’ for Green Jobs

Jun 3, 2015
posted in PowerCorpsPHL

Community Engagement

DC Water @dcwater - Oct 12
Come see what the #PoopToPower buzz is about.

Lucy Diggs Slow @LucyTBM
Youngest TBM. Sister to @ and @NannieTBM. Bloom Locavore.
Bloomingdale, DC

DC Water @dcwater - Sep 30
Ahead of the #TSJoaquin, help us mitigate flooding by reporting clogged catch basins. dcwater.com/report_problem/
Increasing Walkability & Bikeability

Permeable pavement in the Cermak/Bloomingdale area.
TAKE-AWAYS

Think about what goals your municipality is trying to achieve and how they can support the Long Term Control Plan.

Think about how the Long Term Control Plan can help advance other municipal and community goals.

State and Federal partners are here to support you in linking your goals to the CSO Long Term Control Plan.