Advancing Multiple Municipal Objectives through the Combined Sewer Overflow Permit

Division of Water Quality

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
Northern:

- Paterson
- Hackensack
- Ridgefield Park Village
- Fort Lee Borough
- North Bergen Twp
- West New York
- Weehawken Twp
- Hoboken
- Jersey City
- Bayonne
- Kearny
- East Newark Borough
- Harrison
- Newark
- Elizabeth
- Perth Amboy
Southern:

- Trenton
- Camden
- Gloucester City

http://www.nj.gov/dep/dwq/cs-o-basics.htm
“THE ECONOMIC IMPACT AND FINANCING OF INFRASTRUCTURE SPENDING”
College of William & Mary, Thomas Jefferson Program in Public Policy

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
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
- Localized job creation
- Infrastructure upgrades
- Public outreach
- Waterfront access
- Bikeability
- Public art
- Reducing heat island effect
- Urban gardening
- Localized job creation
- Infrastructure upgrades
- Park development
- Resiliency
- Public art
- Water conservation
- Reducing heat island effect
- Street scapes
- Redevelopment
- Tree plantings
- Increase property values
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.
Waterfront Access
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.

Fields
Reducing Localized Flooding
PUBLIC ART

Undercurrents: Wall Berm © 2003 Laura Haddad and Tom Drugan. Photo courtesy of the artists.
Park Development
DC Water Works!

Graduates of the Growing Futures program celebrate with Wendy the Waterdrop.

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

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

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/BIA.
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.