NJ CSO Program Update

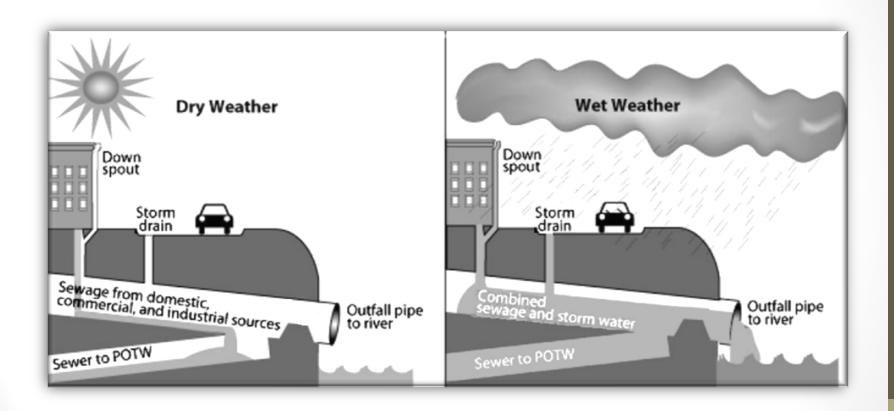
Susan Rosenwinkel
Bureau Chief
Bureau of Surface Water Permitting
Division of Water Quality

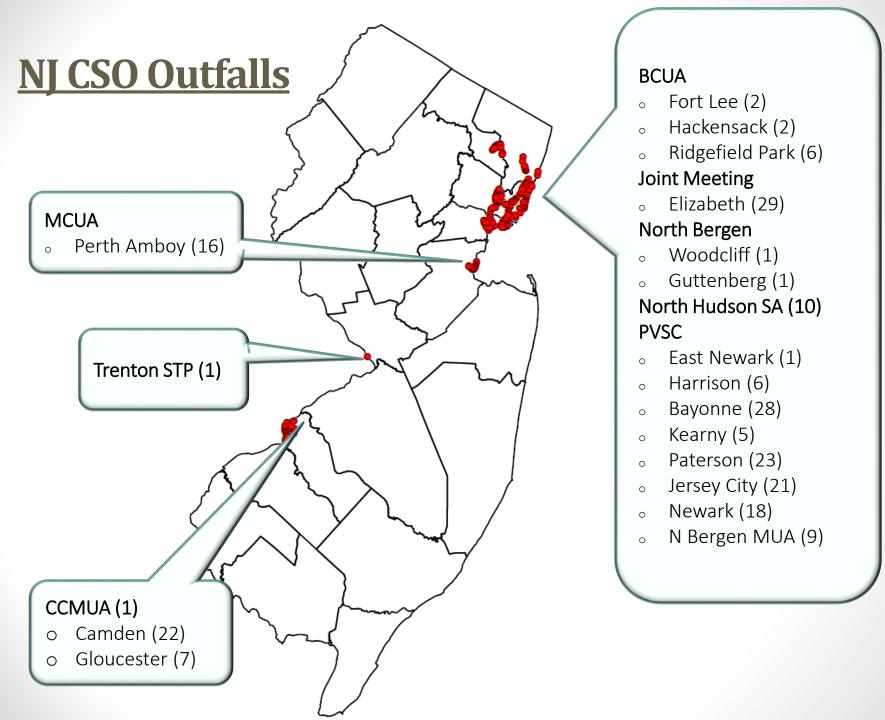
July 9, 2019

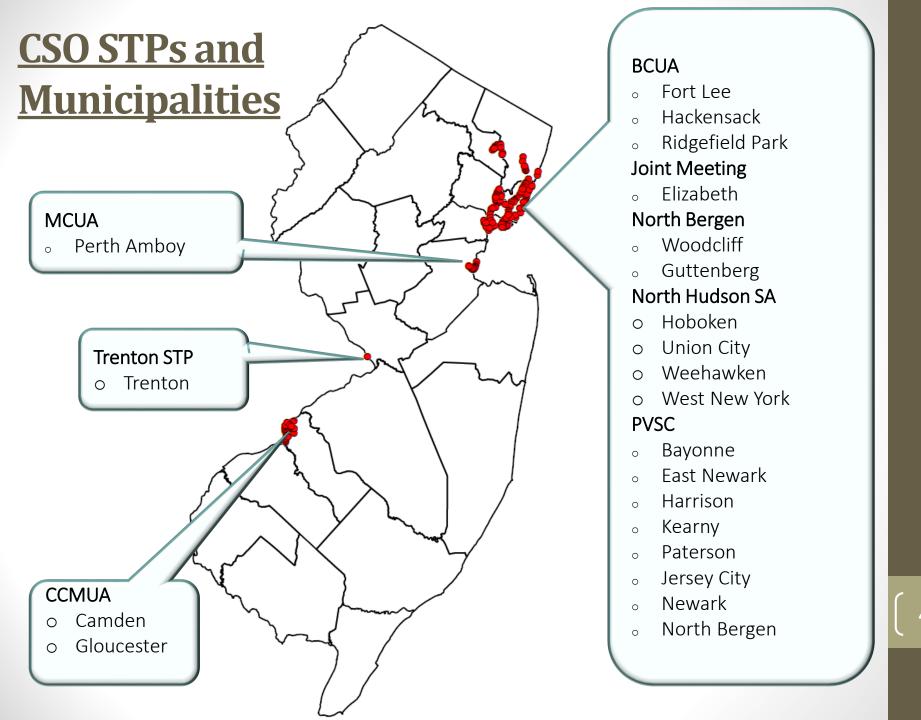




What is a CSO?







What Has NJDEP Done?

- 25 Individual CSO permits were issued on March 12, 2015, effective July 1, 2015.
- Required DMR Submittals for each outfall
- Sensitive Areas, Compliance Monitoring, Public Participation and System Characterization were due July 1, 2018.
- Development and Evaluation of Alternatives were due on July 1, 2019.
- Long Term Control Plan (LTCP) is due June 1,
 2020.

An ambitious schedule with cascading permit requirements.



NJDEP CSO Website - www.state.nj.us/dep/dwq/cso.htm



CSO Home

CSO Basics

For Permittees

Community Collaboration

FAQs

Training and Events

LTCP Submittals

Join Our Email List

Contact Us

Combined Sewer Overflow

The Department is committed to working with Combined Sewer Overflow (CSO) permittees and CSO communities or reduce or eliminate CSOs. The Department permittees in meeting their permit obligation providing technical assistance, guidance, and training.

The individual CSO permits, effective on July 1, 2015, encourage permittee and community collaboration on the planning and development of projects that will provide urban redevelopment opportunities, improve water quality, beautify neighborhoods, and improve the overall quality of life in our urban communities.

Since the issuance of the first NJPDES permits to regulate CSOs, the total number of CSO outfalls in New Jersey has been reduced from 281 to 210; a reduction of more than 20%. Additionally, solids and floatables con installed at nearly every CSO outfall to prevare greater than one half inch from enterin

The 25 individual permits, issued March 2015, cover the remaining outfalls in 21 municipalities. The individual permits including the response to comments document can be found on the toolbar. These permits build upon the previous general permit requirements; permittees should consider what work has already been performed

and how past achievements may be incorporated into new efforts to satisfy the new individual CSO permit requirements.

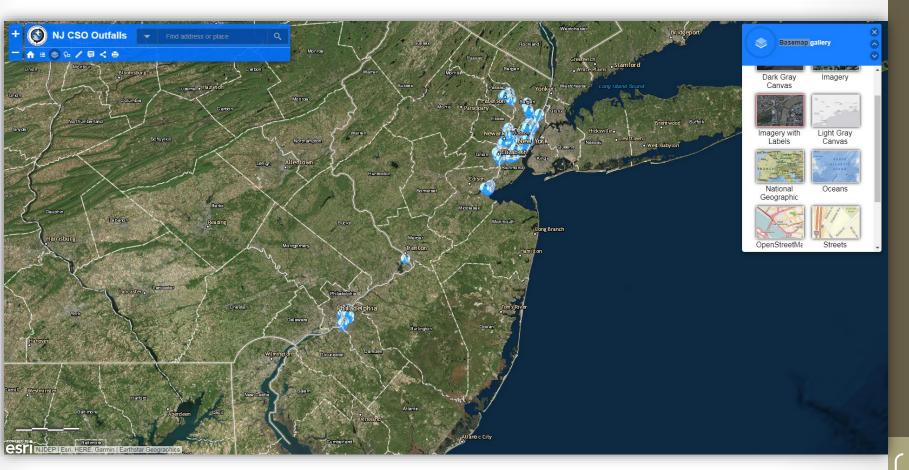
Featured Topics

- Long Term Control Plan Submittals NEW!
- Public Participation Process
 Report Guidance NEW!
- Evaluating Green Infrastructure:

 ► A CSO Control Alternative for LTCPs NEW!
- Wet Weather Flow Treatment and

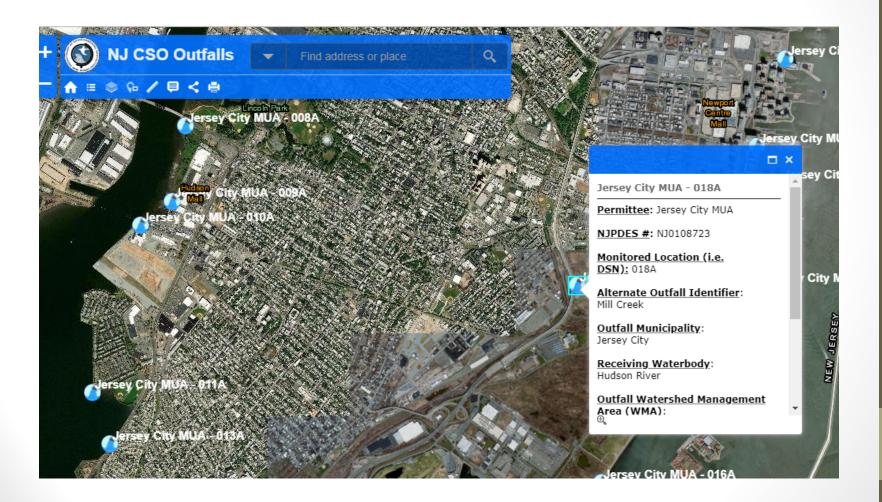
 ► Disinfection Demonstration
 Project Report
- CSO Sewer Maps
- ▶ CSO Outfall Interactive Map
- Forming and Utilizing Your Supplemental CSO Team
- New CSO Funding Options
- Join our <u>CSO email list</u>

CSO Interactive Map

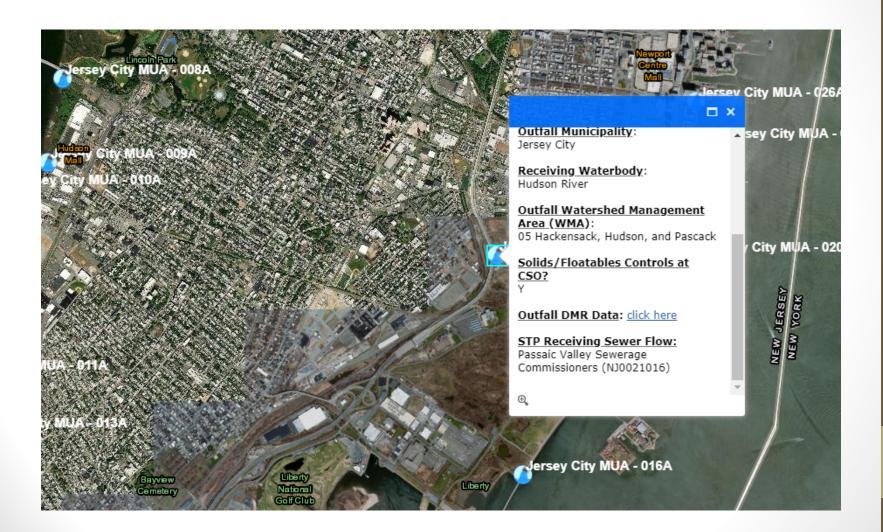


CSO Interactive Map can be found at NJDEP DWQ CSO Webpage

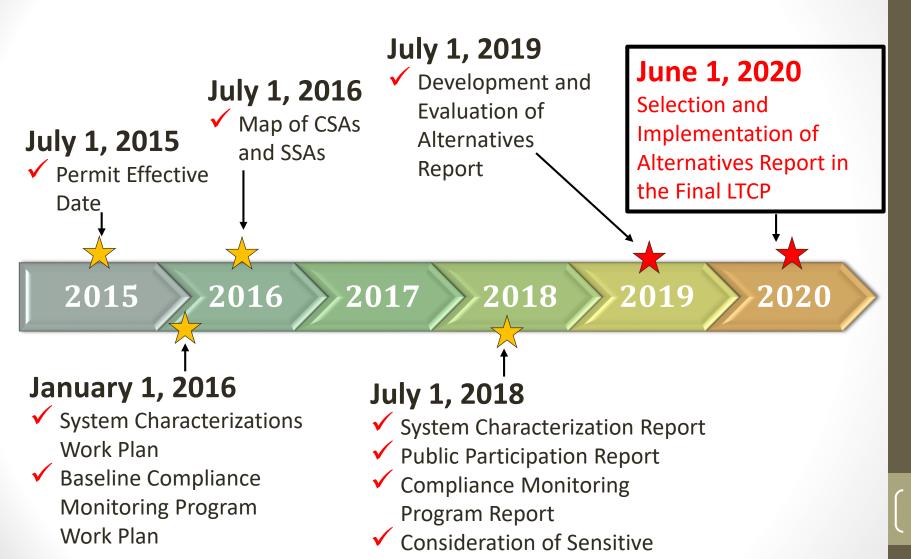
CSO Interactive Map



CSO Interactive Map



Timeline



Areas Report

Public Participation

NJPDES Permit Part IV.G.2

Implementation shall actively involve the affected public throughout each of the **3 Steps of the LTCP process**. The affected public includes:

- rate payers (including rate payers in the separate sewer sections)
 industrial users of the sewer system
- persons who reside downstream from the CSOs
- persons who use and enjoy the downstream waters, and
- any other interested persons



Camden Smart Initiative
Ferry Avenue Rain Garden



Public Participation

NJPDES Permit Part IV.G.2

A Public Participation Process Report shall include the following elements:.

- Conduct outreach to inform the affected/interested public ...through various methods which may include: public meetings, direct mailers, billing inserts, newsletters, press releases to the media, postings of information on the permittee's website, hotline, development of advisory committees, etc.; and to
- Invite members of the affected/interested public to join a Supplemental CSO Team to work with the permittee's assigned staff, consultants and/or contractors.

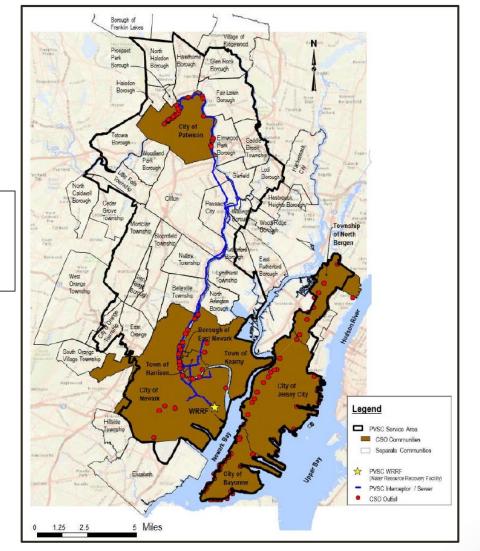
Public Participation

NJPDES Permit Part IVC 2



Characterization Monitoring and Modeling of the Combined Sewer System NJPDES Permit Part IV.G.1

Figure C-2 of PVSC System
Characterization Report
PVSC Service Area with CSO
Outfall Locations



Purpose of the Combined Sewer System Characterization

How does the Combined Sewer System function when it rains throughout a year?

- Analysis of relationship between rainfall, CSO discharge and Wet Weather Flows at treatment plants
- Which discharge? How much? How often?
- How do CSO discharges relate to rainfall amount and duration?
- Where does flooding occur?
- Characterization of the discharges (both CSO and stormwater)

Need enough analysis to inform alternatives evaluation

Foundation of the LTCP



Question: What will the CSO Program be focused on during the next three months?



Alternatives Analysis Review

- Alternatives Analyses will be posted on CSO webpage
- Multi-disciplinary review:
 - CSO Team Leaders, Alternatives Analysis Team Leads, CSO Program, Stormwater, Municipal Finance and Construction, TWA –
 - Minimum of 7 reviewers on each report
- DEP intends to conduct a comprehensive and prompt review
- DEP's response is crucial to the next step
 LTCP submittal

What Is the DEP Looking for in the Alternatives Analysis?

Generally:

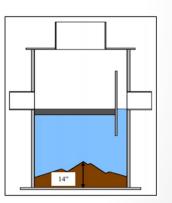
 Are the alternatives presented practical and technically feasible?

Specifically:

- 1) Were all <u>7 CSO control strategies</u> considered?
- 2) Are multiple alternatives presented?
- 3) What input did the Supplemental CSO Team have?

Were all 7 CSO Control Strategies Considered?

- 1) Green Infrastructure
- Increased storage capacity in the collection system
- 3) STP Expansion (Increased secondary)
- 4) I/I Reduction
- 5) Sewer Separation (w/ Stormwater Trt)
- 6) Treatment of the CSO discharge
- 7) Bypass of Secondary Treatment

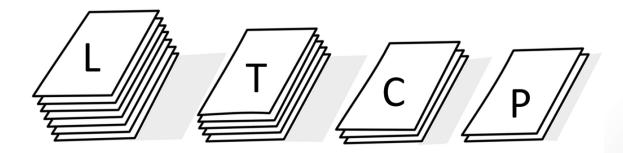


How can the public provide input on the alternatives analysis?

Permittee	DEP Team Lead
Camden County Municipal Utility Authority The City of Camden The City of Gloucester Trenton Sewer Authority	Armando Alfonso Armando.Alfonso@dep.nj.gov (609) 633-7021
Bergen County Utilities Authority Fort Lee Boro Hackensack City Ridgefield Park Village The Joint Meeting of Essex and Union Counties The City of Elizabeth	Nancy Kempel Nancy.Kempel@dep.nj.gov 609-292-4860
North Bergen Woodcliff STP Town of Guttenberg Adams Street WTP River Road WTP	Joe Mannick J <u>oe.Mannick@dep.nj.gov</u> 609-292-4860
The City of Perth Amboy Middlesex County Utilities Authority Passaic Valley Sewerage Commission Bayonne City MUA Jersey City MUA City of Newark North Bergen Township MUA East Newark Borough Harrison Town Kearny Town Paterson City	Dwayne Kobesky <u>Dwayne.Kobesky@dep.nj.gov</u> 609-292-4860

LTCPs in Permits!

- When the LTCPs are submitted, DEP will conduct a multidisciplinary review.
- The DEP committed to issuing individual permits, not Administrative Consent Orders or Judicial Consent Decrees.
- The permits have a 5 year duration; LTCPs could be 20 years



Questions?

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