



Newtown Creek Superfund Site Queens and Brooklyn, New York City February 20, 2019

Long Term Control Plan (LTCP)

- NYC is under order by NYSDEC to develop Long Term Control Plans (LTCPs) for 11 NYC waterbodies, including Newtown Creek, to identify appropriate Combined Sewer Overflow (CSO) controls necessary to achieve water-body specific water quality standards consistent with the Federal CSO Policy and the Clean Water Act
- The LTCP for Newtown Creek was approved by NYSDEC in June 2018
 - Contract to be awarded by end of 2019
 - Implementation by 2042
 - Total cost approximately \$1.3 billion, project includes CSO Storage Tunnel and Upgrade of Borden Avenue Pump Station (BAPS)
- The Newtown Creek LTCP proposal reduces the CSO discharge by 72% from current conditions, 61% from the LTCP baseline

Superfund Objectives

- EPA is completing a Remedial Investigation/ Feasibility Study of Newtown Creek under Superfund
- CSOs have been and will continue to be an input to the Newtown Creek study area
- EPA evaluating whether anticipated future inputs from CSOs will be consistent with Superfund needs
 - LTCP was developed to address Clean Water Act concerns
 - EPA Superfund does not want to delay implementation of the LTCP
- NYC (with EPA oversight) to prepare a Focused Feasibility Study (FFS) to support this evaluation

Terms of Evaluation

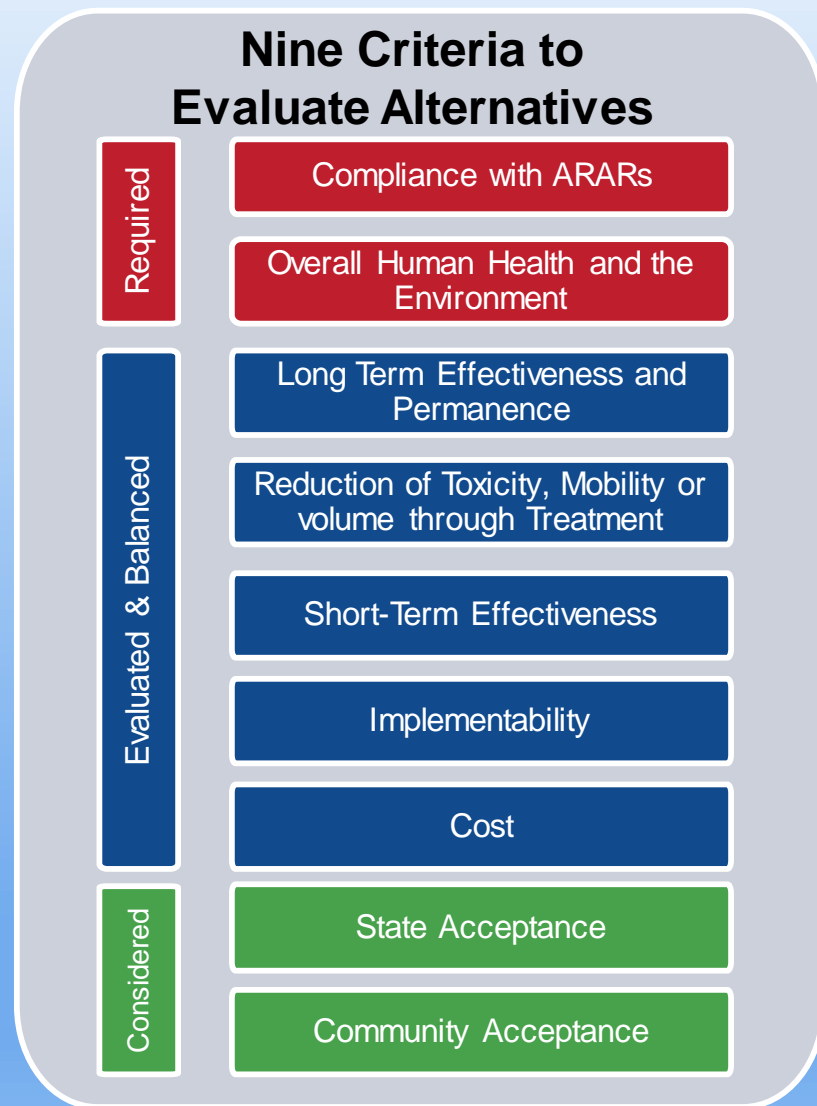
- A new Operable Unit (OU2) has been created related to “current and reasonably anticipated future releases of CERCLA hazardous substances from CSO discharges to the Study Area.”
- An Administrative Order on Consent and Scope of Work has been signed by NYC and EPA
 - Fully executed on January 2, 2019
 - Outlines the terms of the Focused Feasibility Study to be conducted
- Record of Decision (ROD) for OU2 tentatively scheduled for late 2019

Objectives of Focused Feasibility Study

- Summarize the nature and extent of hazardous substance releases to the Creek from CSOs under current and reasonably anticipated future conditions
 - The LTCP focuses on volume reduction from CSOs
 - Evaluation will not include past releases
- Evaluate impacts of current and reasonably anticipated future releases from CSOs to the Creek,
 - Impacts include those to human health and the environment
 - Evaluation to include data analysis and modeling
 - Impacts will be assessed using multiple lines of evidence
- Develop and evaluate alternatives to address impacts, including no action, no further action and 100 percent control of CSO discharges to the Creek
- Develop documentation to support a Record of Decision

Record of Decision Process

- Focused Feasibility Study
 - Supports Remedy Selection
- Proposed Plan
 - Minimum 30 day public comment period
 - Formal public meeting during comment period
- Record of Decision
 - Community involvement throughout
 - Amended Community Involvement Plan to be prepared

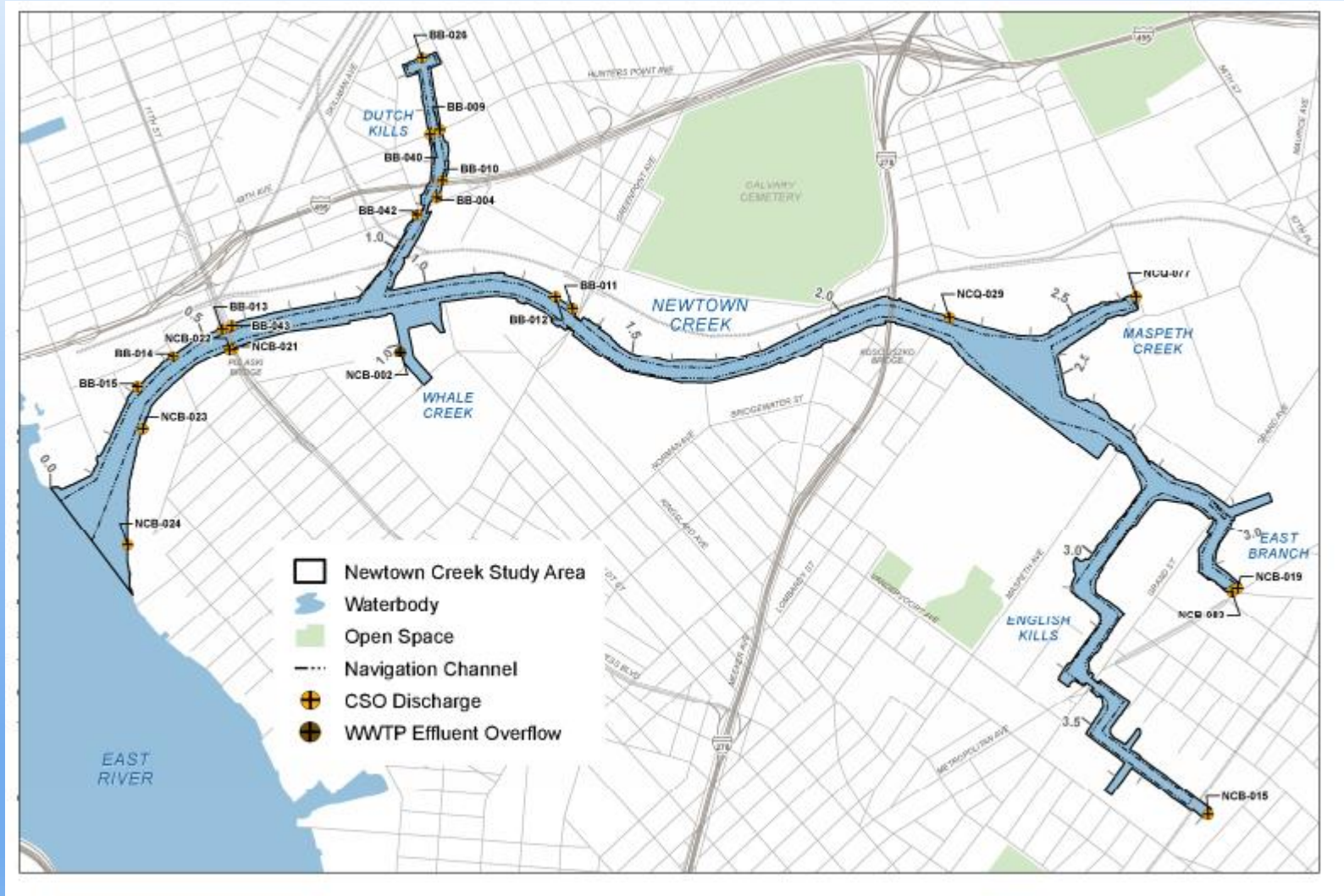


Post ROD Path Forward

- Implementation of selected remedy
- Monitoring as required by selected remedy
- Five Year reviews will be required
- Overall Site remedial process to move forward concurrently

Questions?

CSO Inflow Locations



LTCP Selected Alternative

- 26 Million Gallon per day (MGD) Borden Avenue Pumping Station (BAPS) Expansion
 - Will result in 75% reduction in one of the four largest CSOs
- Deep tunnel for 62.5% control of three largest outfalls
- Construction of 19 to 30 foot interior diameter deep tunnels with lengths ranging from 7,570 to 18,800 feet