

Gowanus Canal Proposed Plan  
Question/Answer Sessions  
Community Advisory Group Meeting  
February 11, 2013  
Red Hook Meeting  
February 13, 2013

# Fulton Former Manufactured Gas Plant (MGP) 1879-1929



19807. Douglass Street Store Yard.

Birds eye view.

Mar.13,1928.





<b>LEGEND</b>	
	POTENTIAL TAR RECOVERY SYSTEM
	POTENTIAL BARRIER WALL ALIGNMENT
PHYSICAL OBSERVATIONS	
	TAR SATURATED
	LENSES WITH TAR SATURATION AND TAR/NAPHTHYLENE ODORS
	BLEBS, GLOBS, LENSES, COATINGS AND TAR/NAPHTHYLENE ODORS
	TAR STAINING, SHEEN AND TAR/NAPHTHYLENE ODORS
	TAR/NAPHTHYLENE-LIKE ODORS
	PETROLEUM ODORS
	PETROLEUM SHEEN/STAINING ODORS
	NO IMPACTS OBSERVED
	FORMER FULTON MGP SITE BOUNDARY
	REMEDIAL INVESTIGATION (RI) PARCEL BOUNDARY

GEI  
 1. CONSULTATION AND DESIGN SERVICES FOR THE FULTON MGP SITE  
 2. INVESTIGATION AND ANALYSIS OF THE FULTON MGP SITE  
 3. INVESTIGATION AND ANALYSIS OF THE FULTON MGP SITE  
 4. INVESTIGATION AND ANALYSIS OF THE FULTON MGP SITE  
 5. INVESTIGATION AND ANALYSIS OF THE FULTON MGP SITE

REMEDIAL INVESTIGATION REPORT  
 FULTON MGP SITE  
 BRONX, NEW YORK  
 NATIONAL GRID  
 PROJECT NUMBER: 1-1112



CONCEPTUAL BARRIER WALL LAYOUT  
 October 2012  
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# First and Fifth Street Basins

# Core from 1<sup>st</sup> Street Basin



# Former Fifth Street Basin



© 2013 Google

Gray Buildings © 2008 Sanborn

Google earth

Imagery Date: 6/17/2010 1978

40°40'24.88" N 73°59'14.91" W elev 21 ft

Eye alt 1086 ft

5th Street Basin - filled between 1953-1964.  
(Looking east from Canal below 3<sup>rd</sup> Ave. Bridge  
towards 4th Avenue.)



# Dewatering/Barge Facility

# Enclosed Work Structures



# Sediment Filter Press



JUL 14 2004

# Water Treatment System



Stabilization of Sediment  
Using Concrete-like Materials  
for Cap Beneath Canal

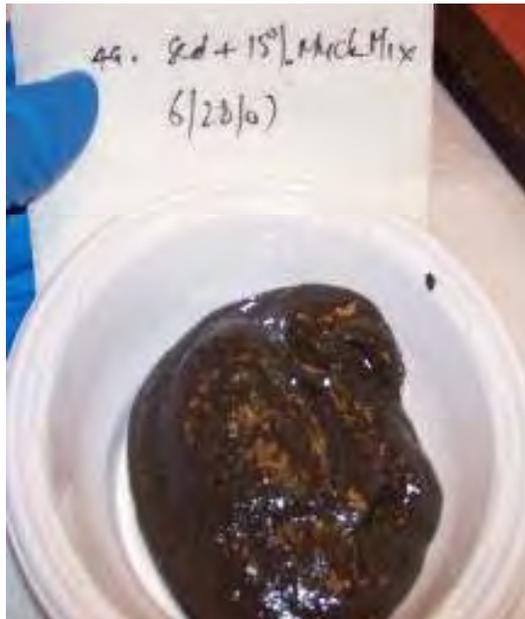
# Laboratory Testing of Process Application



Untreated Sample in the Field



Sample Collection

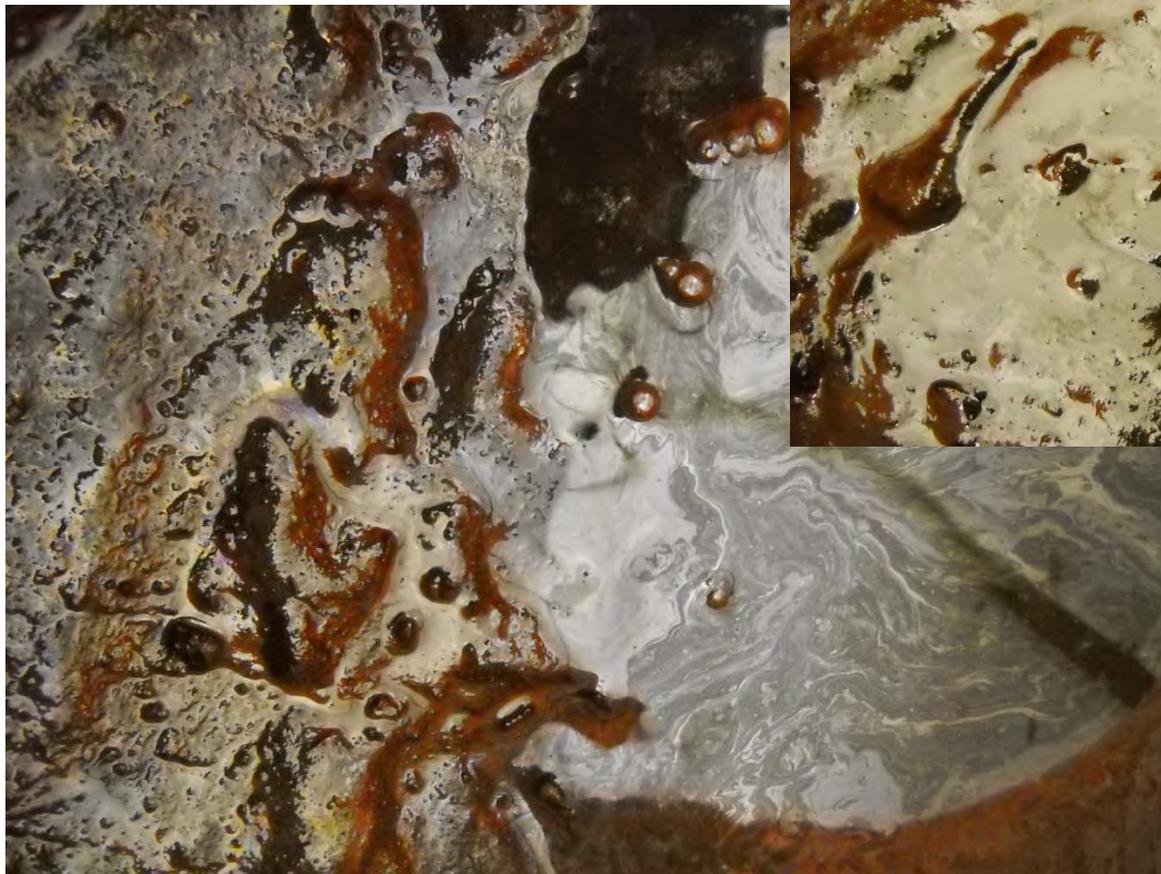


Sample  
Characterization



Treated Sediment  
Sample

# Gowanus Sediment Samples Collected for Laboratory Testing



## Laboratory Testing for Gowanus - Mixing



Sediment sample collected from canal and mixed



Cement agents and adsorbents mixed into a slurry



Cement agents and adsorbents mixed with sediment

## Laboratory Testing for Gowanus - Untreated and Treated Sediment Material

Untreated sediment  
being mixed



Stabilized sediment material



Examples of Stabilization Techniques  
for the Least Contaminated  
Sediments using Concrete-like  
Materials  
and Potential Confined Disposal  
(CDF) Facility Configurations,  
In the Event of Public and Regulatory  
Acceptance

## Stabilization Example-Sediment Drying Bed



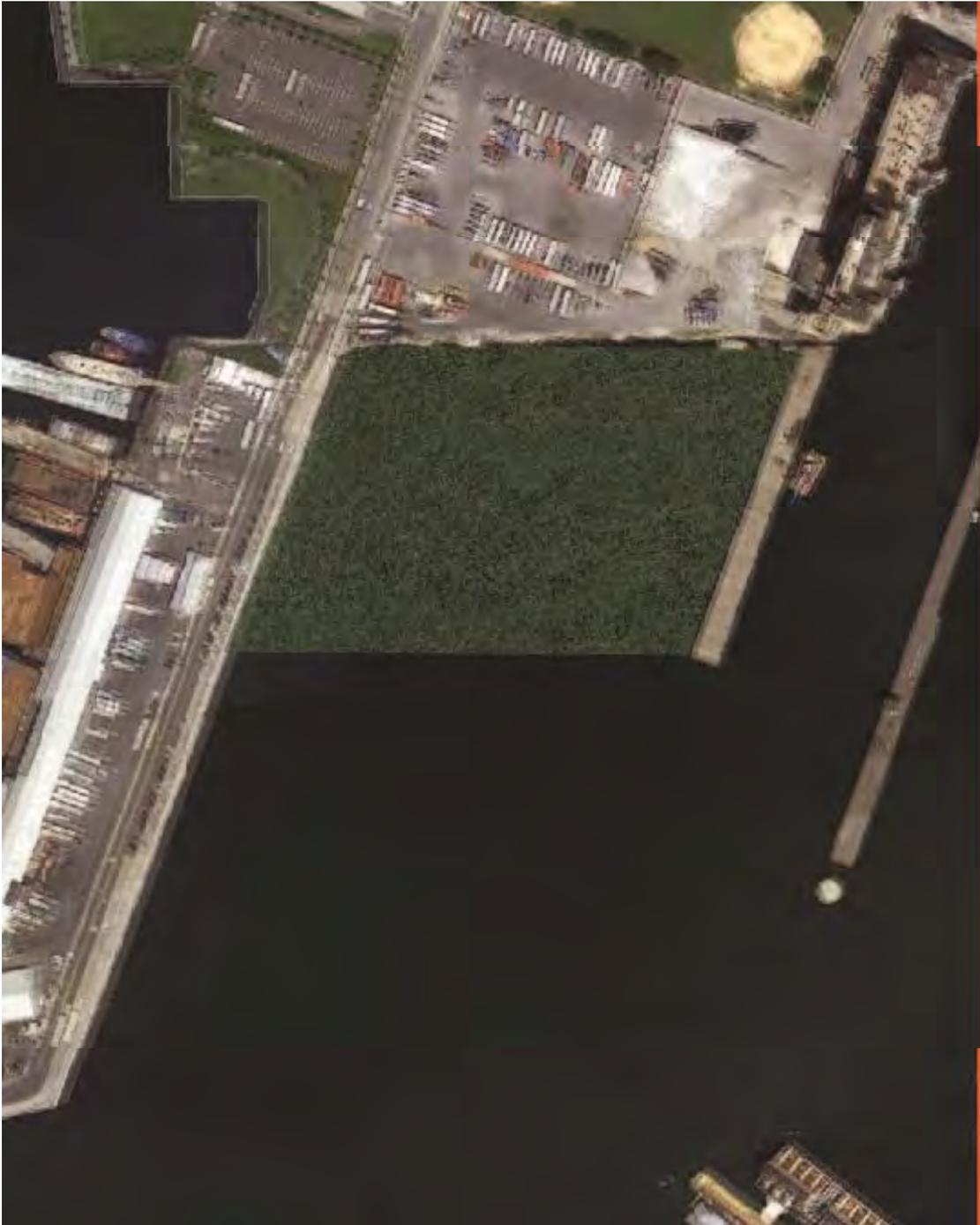
## Stabilization Example-Sediment Drying Bed Top View



# Conceptual Diagram of Potential CDF



ES080211052107KNV



## Conceptual Diagram of Potential CDF

# Examples of CSO Storage Tanks During and After Construction

## Bangor, ME – Kenduskeag East Tank



Source: City of Bangor

# Cincinnati: Muddy-Westbourne CSO No. 198



Source: CH2M HILL

# Toronto - Old Sheppard Storm Storage Tank



Source: CH2M HILL

# Toronto - Old Sheppard Storm Storage Tank -contd



Source: CH2M HILL