POMPTON LAKES WORKS SITE
PUBLIC AVAILABILITY SESSION

OCTOBER 20, 2016
AGENDA

- Pompton Lake Study Area Dredging/Removal
  - Overview
  - Status of Uplands Soil Removal/Island Area & Area A Dredging
  - Community Concerns
  - Oversight of Construction Activities
  - Schedule
- Hydraulic Surcharging Pilot Study
- On-site In-situ Chemical Oxidation Pilot Study
- On-site Corrective Measures Study
- Vapor Intrusion Status Update
“DREDGING” PROJECT OVERVIEW

Pompton Lake Study Area
- Acid Brook Delta (ABD) Sediments - Approx. 36 Acres
- Pompton Lake Sediments - Lakeside Ave. Bridge to Pompton Lake Dam
  - Area A - Approx. 0.5 Acres
  - Island Area - Approx. 2.5 Acres
  - Estimated Dredged Volume is 19,300 Cubic Yards (CY)

- ABD Upland Soil Areas
  - Removal From 16 Delineated Areas With Depths Ranging from 0.5 to 9 ft. Below Ground Surface
  - Estimated Removal Volume is 3,160 CY
Region 2 serving the people of New Jersey, New York, Puerto Rico and the U.S. Virgin Islands

ABD UPLAND SOIL REMOVAL AREAS

10/20/2016
STATUS OF UPLANDS SOIL REMOVAL
ISLAND AREA/AREA A DREDGING

- Uplands Soil/Near Shore Area Removal Complete Except Area A1
  - Approx. 6751 CY Impacted Soil/Sediment Removed
  - Area A1 - Constrained by Tree/Sanitary Sewer: 10-20 CY Remain

- Scow Access Channel/Island Area
  - Approx. 7910 CY Impacted Sediment Removed a/o October 17, 2016

- Area A
  - Initiate Dredging in November

- Ecolayer Placement
  - For the Island Area/Area A in December
SOIL REMOVAL/SEDIMENT DREDGING IMPLEMENTATION CHALLENGES

- Uplands Soil Areas
  - Area A1 - Constrained by Tree/Sanitary Sewer: 10-20 CY Remain to be Excavated/Disposed Off-site

- Installation of Access Channel for Dredge Scows to Get From Uplands to Island Area/Area A

- Treatment of Water From Dredged Sediment
  - Initially Separation and Filtration
  - Modification of Treatment Process Required
  - Request to NJDEP - Use of Typical Water Treatment Additives to the Existing Physical Treatment Process
REMAINING ACTIVITIES - 2016

- Complete Island Area Mechanical Dredging
- Initiate/Complete Area A Mechanical Dredging
- Ecolayer Placement in Island Area/Area A
- Winter Shutdown/Demobilization
OVERSIGHT OF CONSTRUCTION ACTIVITIES

- EPA Performs Field Technical Oversight to Ensure Work Complies With Approved Work Plan

- United States Army Corps of Engineers Performing Weekly Field Technical Oversight

- EPA Participated in Weekly Project Status Meetings with Chemours/Sevenson

- EPA Continues Weekly Presence in the Community During Construction to Answer Questions/Respond to Community Concerns

- Passaic County Health Department/Pompton Lakes Environmental Officer Perform Periodic Site Visits to Observe Construction Activities
COMMUNITY CONSIDERATIONS - TRAFFIC CONTROL

- Traffic Control Measures Successfully Implemented To Date

- Work Hours
  ✓ M-F Set-Up 6AM-7AM/Work 7AM-6PM/Clean-Up 6PM-7PM
  ✓ Saturday Hours - 1 For Mobilization Activities/2x For Equipment Maintenance

- Trucking Restrictions
  ✓ School Opening/Closing - Construction-Related Traffic Will be Prohibited
  ✓ Restricted Times - 7:45AM - 8:30AM and 2:30PM - 3:15PM
  ✓ Flagmen Utilized to Control Entry/Exit to the Work Site

- Heavy Vehicle Dispatch
  ✓ Random Check of Trucks to Assess Compliance With Following Route
  ✓ Wayne Police at Lakeside Ave./Terhune Dr. Intersection Due to Heavy Traffic
COMMUNITY CONSIDERATION - SITE SECURITY/NOISE/ODORS

SITE SECURITY
• No Issues With Site Security

ODORS
• No Issues With Odors
• Contaminants of Concern (i.e. Mercury/Lead) Not Expected to Cause Odors
• Nuisance Odors Associated With Natural Material/Decay Processes in Pompton Lake Not Detected Except At Processing Area

NOISE
• No Issues With Noise
• Sheet Pile Installation/Back-up Alarms on Equipment Generate Short-term Noise But Below Thresholds For Further Action
COMMUNITY CONSIDERATIONS - AIR MONITORING

Dust Monitoring/Verification

• Continuous Real-Time Monitoring For Dust During Soil Excavation in Uplands and Sediment Handling/Processing

• 4 Fixed Locations Along Work Area Perimeter Including One Location Adjacent to Lakeside Middle School

• No Action Level Exceedances Associated With Work Area Activities

• Dust Control Measures Implemented
  ✓ Water Misting During Tree Clearing
  ✓ Water Mister Stationed on Fence Along Lakeside Avenue
  ✓ Water Misting During Sediment Processing
  ✓ Truck Spraying Water on Site Haul Roads
  ✓ Street Sweeping Along Lakeside Avenue
COMMUNITY CONSIDERATIONS - AIR MONITORING

Mercury Vapor Monitoring/Verification

- Real-Time Monitoring For Mercury Vapor at Downwind Location With a Portable Mercury Vapor Analyzer Completed During Uplands Soil Excavation

- Voluntary Monitoring For Mercury Vapor With Portable Mercury Vapor Analyzer Also Being Performed in Vicinity of Island Area

- No Exceedances of Action Levels
COMMUNITY ENGAGEMENT ACTIVITIES

- Presence On-site to Respond to Questions/Concerns

- On-going EPA Availability at Municipal Building on Thursdays to Answer Questions Regarding Pompton Lake Study Area Clean-up

- Access to Website to Observe Monitoring Data During Construction

- 21 Weekly Community Updates Sent by EPA Via Email Summarizing Work Activities
HYDRAULIC SURCHARGING PILOT STUDY

• Chemours Submitted Final Design and Permit-by-Rule (PBR) Application to EPA/NJDEP

• EPA/NJDEP Completing Review and EPA Will Consolidate Comments

• Chemours Will Address Comments and Resubmit Design

• When PBR Package Approved by NJDEP, Public Notice Issued and Opportunity for Public Hearing, if Requested is Available
IN-SITU CHEMICAL OXIDATION (ISCO) PILOT STUDY

- Pilot Study Evaluating Another Technology to Address Groundwater
- ISCO Work Plan Approved/Permit-by-Rule Issued September 2016
- Implementation of Pilot Study in Two Phases
  - Design Testing to Optimize Operational Parameters
  - Submit Final Pilot Study Work Plan With Final Design
  - Full-Scale Pilot Study Implementation
- Design Testing Fieldwork Commenced End of September to Optimize Operational Parameters
CORRECTIVE MEASURES STUDY (CMS)

- Initial EPA/NJDEP CMS Comments Transmitted to Chemours

- Additional EPA/NJDEP CMS Comments to be Transmitted to Chemours When EPA completes Review of the Site Remediation Standards Proposed by Chemours

- Chemours to Revise CMS Based on NJDEP/EPA Comments

- Once Reviewed by EPA/NJDEP, CMS Will be Presented to Community Via Public Information Session

- Draft Permit Modification Will be Prepared With a Public Hearing/Public Comment
VAPOR INTRUSION (VI) UPDATE

- Number of Vapor Mitigation Systems Installed - 336
- Termination Sampling Completed - 2
- Plan to Reach out to Board of Realtors Again to Provide Info Session Regarding the VI Program
- EPA, DEP, and/or Chemours Continue to be Available to Answer Questions About the VI Program and Communication Package Sent in July 2015
CLOSING

• Questions??

• Contacts:
  - Pat Seppi, Community Involvement Coordinator
    646-369-0068
    seppi.pat@epa.gov
  
  - Perry Katz, Project Manager
    212-637-4426
    katz.ira-perry@epa.gov