AGENDA

- Acid Brook Delta/Upland Soil Areas Dredging/Removal
  - Considerations for Community
  - Projected Schedule

- Vapor Intrusion

- Off-site Groundwater

- On-site Clean-up
“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

- ABD Upland Soil Areas
  - Upland Soil Areas Outside Wetland/Wetland Transition Zone
  - Areas Within Wetland/Wetland Transition Zone
REMEDIATION PROJECT SUMMARY

- Plans Prepared by Chemours Subject to Review/Approval by EPA/NJDEP

- Remedial Approach for Sediment is Hydraulic and Mechanical Dredging and Restoration

- Remedial Approach for ABD Upland Soil Areas is Conventional Excavation and Restoration

- Dredged Sediment/Removed Soil Will be Disposed Off-site

- Field Oversight by EPA
“DREDGING” PLANNING DOCUMENTS

- Corrective Measures Implementation Work Plan (CMI WP)
  [http://www3.epa.gov/region02/waste/dupont_pompton/additionaldocs.html]
  - Dredging/Removal Methods
  - Materials Handling/Transportation
  - Disposal of Sediment
  - Restoration Details
  - Health & Safety Plan/Quality Assurance Plan/Reporting

- Remediation & Restoration Plan for ABD Upland Soil Areas
  - Part of CMI WP
  - Addresses Same Considerations as ABD, Above
  - Will Detail Restoration of ABD Upland Soil Areas Including Wetland/Wetland Transition Zone

12/9/2015
COMMUNITY CONSIDERATIONS - SITE SECURITY

- Temporary Fencing
  - Type and Configuration of Fence Being Reviewed by EPA/NJDEP
  - Fence will Separate Work Area From School

- Security Personnel
  - Security Proposed to be Continuously Maintained During Non-Working Hours
  - Specific Hours of Coverage Being Reviewed by EPA/NJDEP
COMMUNITY CONSIDERATIONS - AIR MONITORING

- Pre-design Work (Sampling/Modeling) Measuring Mercury Emissions From ABD Sediment Indicates Mercury Vapor Not a Concern

- Continuous Real-time Air Monitoring as well as Meteorological Monitoring
  - 4 Air Monitoring Stations Proposed with 1 Location at School
  - Dust Monitoring & Mercury Verification Sampling Proposed

- Results Posted on a Website Each Monitoring Day Within 24 Hours of Receipt of Lab Data or as Soon as Practicable

- Details Regarding the Final Number of Monitoring Locations/Parameters/Posting of Results/Action Levels Under Review by EPA/NJDEP

- If Action Levels Established Are Exceeded, Modifications to the Work Would be Conducted
COMMUNITY CONSIDERATIONS - DUST CONTROL

- Dredging Will be Performed “in the wet”, But There is Potential For Dust Generation

- Dust May be Also Generated Due to Routine Construction Activities

- If Established Action Levels for Dust are Exceeded, Dust Control Measures (e.g. Water Mist/Spray) Will be Used

- Details Regarding Action Levels/Dust Control Measures Under Review by EPA/NJDEP
COMMUNITY CONSIDERATIONS - NOISE CONTROL

- Noise Controls Will be Implemented to Keep Noise at Safe and Tolerant Levels

- Noise Levels Will be Routinely Monitored During the Work Day

- Proposed Noise Level Limits Under Review by EPA/NJDEP

- If Exceeded, Noise Controls/Modifications to the Work Operation Would be Implemented
COMMUNITY CONSIDERATIONS - ODOR CONTROL

- Nuisance Odors Associated With Natural Material/Decay Processes in Pompton Lake Can be Expected

- An On-site Monitoring Team Will Continually Inspect Work Areas to Identify Odors as They Occur

- If Nuisance Odors Are Detected, Operational Strategies to Mitigate Odors Can be Used:
  - Minimizing The Extent/Duration of Open Excavations
  - Installation of Backfill as Soon as Soil Excavations Are Complete
  - Implementing Dust Control Measures (e.g. Water Mist/Spray)
  - Minimizing Stockpiling of Excavated Material
  - Applying Odor Suppressant Products
  - Covering Stockpiles
  - Enclosing Individual Pieces of Equipment
COMMUNITY CONSIDERATIONS – TRAFFIC CONTROL

- Proposed Traffic Route Under Review by EPA/NJDEP

- Proposed Route For Delivery of Materials, Equipment and Clean Fill to the Construction Site and the Removal of Remediated Material:
  
  - East on Lakeside Ave. to the stop at the bridge
  - East on Lakeside Ave. over the bridge to Terhune Ave. (US 202)
  - South on Terhune Ave. (US 202) to Paterson-Hamburg Turnpike
  - North on Paterson-Hamburg Turnpike
  - West on Paterson-Hamburg Turnpike to I-287 Interchange 53
COMMUNITY CONSIDERATIONS - TRAFFIC CONTROL

- Traffic Control (e.g. Signage, Flag Person) to be Provided Where Construction Activities May Impact/Halt Vehicle or Pedestrian Traffic

- During Daily School Opening/Closing, Construction-Related Traffic During Certain Hours Will be Temporarily Suspended to Minimize Interference With School-Related Traffic

- EPA Will Coordinate/Work With Local Traffic Control Officials/Police to Ensure Final Traffic Plans Remain Safe and Enforced

- Scheduling Meeting with County Engineer’s Office to Review Proposed Route and Traffic Control Measures
NEAR-TERM SCHEDULE

- Effective Date of Final Permit: June 22, 2015

- Summer/Fall 2015: Chemours Prepares Work Plans For EPA & NJDEP Approval/Secures Fed, State, Local Permits & Procures Contractor

- Submittal of Corrective Action Implementation Work Plan: Sept 22nd

- Early 2016: Initiate Work (e.g. Fencing) Pending Executing Access Agreements and Securing NJDEP Permit

- Spring/Summer 2016: Uplands Soil Areas Work/Area A/Island Area

- Potential Schedule Constraints Include: Permit Approval/Contractor Procurement/Property Access
COMMUNITY ENGAGEMENT ACTIVITIES - DREDGING

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

- Summer/Fall 2015: Outreach to Local Officials, Stakeholder Groups, CAGs and Other Interested Parties to Solicit Feedback About Dredging

- Fall/Winter 2015: Meetings With Aforementioned Parties to Review Draft Technical Submittals and Obtain Additional Input

- Newsletters/Email Updates

- Spring/Summer 2016: Target Time to Initiate Fieldwork
TAKE HOME MESSAGES - DREDGING PROJECT

- EPA/NJDEP Have Extensive Experience And Performed Many Environmental Clean-ups at Sites Close to Sensitive Populations, (e.g. School Age Children)

- No Site Related Clean-up Activity Will be Performed on The Actively Used Grounds of The School (e.g. Athletic Fields)

- Work Areas Secured/Access to the Construction Area Controlled

- Air/Noise/Dust/Odors Will be Monitored During Construction And Traffic Will be Controlled With Measures in Place to Address Any Issues

- Active, On-going Community Engagement Prior to/During/Post Construction
VAPOR INTRUSION (VI) STATUS UPDATE

- EPA/NJDEP Session in August Dedicated to Answering Questions About VI Communication Packages Received in July

- Presented VI Program Update at Monthly Passaic County Board of Realtors Meeting in September to Area Realtors

- Number of Vapor Mitigation Systems Installed - 336

- Number of Requests for Termination Sampling - 3
  - 2 Properties Currently Undergoing Termination Sampling
  - 1 Property Seeking EPA/NJDEP Approval to Initiate Termination Sampling

- Continue to reach out to EPA, DEP, and/or Chemours With Questions About the VI Program and Communication Package Sent in July
HYDRAULIC SURCHARGING PILOT STUDY

- Surveying/Geophysical Work Completed

- Geotechnical Borings to be Performed Week of December 14th

- Design Submittal to Railroad and Then EPA/NJDEP in January

- Chemours Submittal of the Final Design (with Railroad’s Approval) and Permit-by-Rule (PBR) Application to EPA/NJDEP Expected Late January/Early February 2016

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

- Pilot Study Evaluating Another Technology to Address Groundwater

- ISCO Work Plan Submitted Was Reviewed/Commented by EPA/NJDEP

- Chemours Procuring a Contractor to Perform Pilot Study - Short-list to 2 Vendors With Selection in January 2016

- EPA/NJDEP Work Plan Approval Expected in Early 2016

- Pilot Study Expected to Begin Mid-2016
ON-SITE CORRECTIVE MEASURES STUDY (CMS)

- Initial EPA/NJDEP CMS Comments Transmitted to Chemours
- Additional EPA/NJDEP CMS Comments to be Transmitted to 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
Questions??

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