



DuPONT POMPTON LAKES WORKS PUBLIC AVAILABILITY SESSIONS

JUNE 19, 2013





STATUS OF PERMIT APPEALS

- Permit Appeals by DuPont & Passaic River Coalition -
 - February 2013
- Stay of the Permit Appeal Requires:
 - August 26, 2013: Progress Status Report
 - October 25, 2013: EPA Response if Issues Unresolved
- Meetings with DuPont
 - Progress to Determine Scope of Sediment/Ecological Risk
 - Fieldwork to Resolve Appeal
 - Fieldwork Expected in July/August
- Meetings with Passaic River Coalition: Status Update



STATUS OF BIOREMEDIATION PILOT

Activities Conducted - May 2013

- Soil Gas Probe/Water Level Loggers Installed in Injection/Extraction Wells
- Start-up/Leak Testing to Ensure Functionality
- Electrical Work Required Repair
- Baseline Sampling Conducted



STATUS OF BIOREMEDIATION PILOT

Activities - Week of June 10th

- EPA Site Visit to Observe System - June 6th
- Pre-Pilot Initiation Test with Water to Injection Pumps
“Dosing” Correctly
- Bromide Injection to Verify Recirculation is Occurring
- Sodium Lactate Injection



STATUS OF BIOREMEDIATION PILOT

Pilot Study Performance Monitoring

- Daily (First 2 Weeks)
 - Monitoring Circulation of Lactate and Water Levels
- Bi-weekly (As of July 1st)
 - Sampling Extraction Well and Monitoring Well at Two Depths
- Monthly (As of July 1st)
 - Additional Well Sampling at Multiple Depths/Soil Gas Sampling



EISB Pilot Study Extraction Well and Instrumentation (Chamber Interior)





STATUS OF HORIZONTAL WELL FLUSHING

Design Plan for the Hydraulic Surcharging

- Establish Location of Piping
- Water Table Monitoring
- NJDEP Permit-By-Rule
 - Will be for Greater than 180 days
 - Outreach and Public Notice to be Determined



RESULTS of MAY 16 TECHNICAL GROUNDWATER MEETING

- Technical Reps from EPA/CAGs/DuPont Attended and the Consensus was that It Went Very Well
- General Agreement that Hydraulic Flushing of the Shallow Groundwater Zone Had Potential to be Very Effective
- Remedial Technologies to Address Contamination Causing Vapor Intrusion are Limited



FOLLOW-UP TO MAY 16 TECHNICAL MEETING

- EPA to Review 2010 Report on Alternative GW Remedial Technologies
- EPA to Perform Analysis to Determine Correlations Between VOC Concentrations in the Soil Gas and in GW
- EPA to Evaluate Potential to Employ Additional Technologies to Address Vapor Intrusion



STATUS UPDATE - VAPOR INTRUSION PROGRAM

- Vapor Mitigation Systems Installed
 - 247 (DuPont/O'Brien & Gere)
 - 56 (Third Party Contractor)

- Vapor Mitigation Systems "In Pipeline" For Installation
 - 3 (DuPont/O'Brien & Gere)
 - 26 (Third Party Contractor)



FISH ADVISORY SIGNAGE

- Concerns Raised About Need for Additional Fish Advisory Signage for Pompton Lake
- Local Officials Purchasing Additional Signage (7 in English/Spanish for Placement)
- Locations Include: Within Rotary Park/Ramp Area with Signs Facing Water/Lakeside Avenue Bridge



RESULTS OF CLADDING TUNNEL INSPECTION

- Concerns Raised About Presence of Depleted Uranium in Tunnel
- Department of Energy File Review Indicated No Depleted Uranium Was Ever Present on the DuPont Pompton Lakes Works Site
- EPA Radiological Specialist Inspection June 6th Revealed No Presence of Depleted Uranium



Review of Cladding Tunnel Inspection

- DOE Radiological Record Search: No Records Related to Depleted Uranium or Other Radiological Contaminants
- EPA Physical Inspection: All radiation readings at entrance of the tunnel and inside tunnel were within the natural background level ranging from 6-16 uR/h





REVIEW OF AIR MONITORING/MODELING PROPOSAL

- Received Proposal for Air Monitoring/Modeling in Pompton Lakes Vapor Mitigation Area
- Rationale for Proposal Indicated that NJDEP Modeling had Underestimated VOC Emissions
- EPA and NJDEP Reviewed the Proposal



REVIEW OF AIR MONITORING/MODELING PROPOSAL

FINDINGS:

- Modeling Previously Performed by NJDEP Followed EPA Guidelines
- Contractor Model Run in “Rural” Mode, Limiting Nighttime Dispersion vs. Using Data from Newark Only Causes Minor Increase in VOC Concentrations
- VOC Emissions From the Air Stripper Is the Dominant Source



REVIEW OF AIR MONITORING/MODELING PROPOSAL

(continued)

- Increasing the Contribution of VOC Emissions From Soil in the Modeling Would Not Likely Cause Exceedance of a Health-Based Benchmark
- 600+ Ambient Air Samples From the Community Over 5-Years Support Conclusion that VOC Contributions from Soil are Low
- Sampling Transects in Neighborhood May Not Produce Results Indicative of Exposure to VOCs from the Subsurface Due to Other Potential VOC Sources in the Community
- If Valid Samples Could be Taken, Sampling Protocol Requires Extensive QA/QC Documentation to Meet Goals of the Community & Meet EPA Standards for Sampling and Analysis



QUESTIONS???????