Lower Passaic River
Contaminated Sediment Removal Project

Lower Passaic River Restoration Project & Newark Bay Study
Project Delivery Team Meeting

September 10, 2008
In the Beginning……

- EPA Signs Engineering Evaluation/Cost Analysis (EE/CA) Approval Memo Authorizing Project (June 12, 2008)
- Administrative Order on Consent with Tierra Solutions (Tierra) & Occidental Chemical Signed by EPA (June 23, 2008)
- Tierra Submits Phase 1 EE/CA Work Plan to EPA for Review (July 22, 2008)
- Phase 1 EE/CA Work Plan Approved by EPA (August 29, 2008)
Phase 1 & 2 Removal Map
The Agreement

- Removal of 200,000 Cubic Yards of the Most Dioxin-Laden Sediment in the Lower Passaic
- Work to be Performed in Two Phases, Each with its Own EE/CA
- Phase 1 – Excavation of 40,000 Cubic Yards of Sediment, Behind a Barrier; Transported Off-Site for Treatment & Disposal
- Phase 2 – Excavation of 160,000 Cubic Yards of Sediment, Behind A Barrier; Transported to a Confined Disposal Facility
Example of Excavation Using A Sheet Piling Barrier
Lower Passaic River Restoration Project
Model of a Confined Disposal Facility (CDF)

Water Treatment Plant
Final Cap
CDF Boundary: Double walled, filled sealed sheetpiles

Final Grade
Existing Surface
Disposal Cell

CDF Boundary
High Tide
Low Tide

Not to Scale
The Following Documents Available at www.ourpassaic.org

- Administrative Order on Consent (AOC) for Removal Action
- EE/CA Approval Memo Authorizing Project (Appendix A to the AOC)
- Statement of Work for the Removal Action (Appendix C to the AOC)
- Phase 1 EE/CA Work Plan
What is an Engineering Evaluation/Cost Analysis (EE/CA)?

- Required for all Short-Term Cleanups Having Planning Periods of at Least Six Months (Referred to as Non-Time Critical Removals)

- Similar to a Remedial Investigation/Feasibility Study, but more Streamlined
What is an EE/CA? (Continued)

- Identify the Objectives of the Removal Action
- Analyze Alternatives for Effectiveness, Cost & Implementability
- Compare Alternatives for Consistency with State and Federal Requirements
The Removal Process

- Tierra Submits EE/CA to EPA for Review & Approval

- EPA Submits Approved EE/CA to Public for Review & Comment

- EPA Prepares Action Memorandum Describing Selected Removal Alternative

- Tierra Submits Removal Design Work Plan and Schedule for Work to EPA for Review & Approval
The Removal Process (Continued)

- Tierra Submits Removal Design to EPA for Review & Approval
- Tierra Submits Removal Action Work Plan to EPA for Review & Approval
- Tierra Performs Removal Work
- Tierra Submits Final Report to EPA for Review & Approval
Initial Phase 1 Timeline

- October 6, 2008 – Phase 1 EE/CA Submitted to EPA
- Nov 2008 - EPA Review & Approval of EE/CA
- Dec 2008 - Public Comment on Phase 1 EE/CA
- Early 2009 - Response to Comments & Phase 1 Action Memo Issued by EPA
Initial Phase 1 Timeline (Continued)

- Early 2009 - Work Plan for Phase 1 Removal Design Submitted to EPA

- Early 2009 - EPA Review & Approval of Removal Design Work Plan

- 2009 - Removal Design

- 2010 - Removal Work (approx duration 6 mos)
Initial Phase 2 Timeline

- Phase 2 EE/CA Work Plan Submitted to EPA for Review and Approval 30 days after EPA approval of Phase 1 Removal Design Work Plan

- Duplicate Process as Outlined for Phase 1
Contaminated Sediment Removal Project

Public Involvement
Public Involvement Requirements

- Information Repository in Place and Administrative Record Available by Date EPA Submits EE/CA to Public for Review (Dec 2008)

- Community Interviews Conducted & Community Involvement Plan Prepared by Date EPA Submits EE/CA to Public for Review (Dec 2008)

- Public Notice of Availability of EE/CA Published in Newspaper (Dec 2008)

- 30 Day Public Comment Period Held on EE/CA

- Responsiveness Summary Prepared & Made Available
Removal Project Community Involvement Plan (CIP)

- Prepared by EPA Specifically for Removal Project
- Will Guide Outreach and Involvement During Both Phases
- Abbreviated Version of Lower Passaic/Newark Bay CIP
- Completed by Date Phase 1 EE/CA Submitted to Public (Dec 2008)
- Updated, as Necessary, by Date EPA Submits Phase 2 EE/CA to Public (TBD)
Example Public Involvement Tools

- Project Update Meetings (e.g., PDT Meetings and/or Separate Meetings Devoted to Removal Project)
- Technical Assistance (e.g., Technical Assistance Grant, TASC)
- Fact Sheets
- Media Events/Media Coordination
- Public Notices
Example Public Involvement Tools (Continued)

- Project Web Site
- Project Tours
- Project Roadmap
- Educational Outreach
- Email & Listserv Notices
- Public Meetings During Public Comment Periods
- Availability Sessions
- Coordination with Stakeholder Groups & Municipalities
Sharing Information & Providing Input

Your Thoughts??

Questions
Contacts & Information Sources

- Elizabeth Butler, Project Lead
- Joe Cosentino, On-Scene Coordinator Overseeing Removal Field Operations
- David Kluesner, Community Involvement Coordinator & Press Officer
- www.ourpassaic.org
- www.epa.gov/region2/passaicriver