

Hudson River
PCBs SUPERFUND SITE



Community Advisory Group Meeting

Saratoga Spa State Park

February 17, 2011



Hudson River Dredging Project Update

- Peer Review Panel recommendation (Final Report September 2010)
- EPA and GE agreed that many of the Panel recommendations were helpful and could be incorporated into the project
- EPA and GE have interpreted a few of the recommendations differently
- EPA and GE technical and upper management discussions (Sept - Dec)
- EPA decision and GE opt in December 2010

Phase 2 Dredging Project Update (Key Points)

Use Phase 1 experience to improve Phase 2

- **Determine DoC and address uncertainty**
 - **Coring program completed in 2010**
 - **475 sediment cores (~ 3,900 samples)**
 - **Fill in data gaps and improve incomplete cores**
- **Adjust dredge prisms**

Phase 2 Dredging Project Update (Key Points)

- Achieve removal of at least 95% of the area
- Achieve the ROD requirement of 1 ppm Tri + PCB (prior to backfilling)
- Limit capping by setting a maximum percentage as the performance metric (11% excluding special consideration in bedrock, clay and structural areas)



Phase 2 Dredging Project Update (Key Points)

- **Number of dredging passes (limit to two)**
- **Place a 3- to 6-inch backfill cover to limit resuspension**
- **Close CUs quickly**
- **Productivity (350,000 cy)**
- **Incorporate Adaptive Management**

Phase 2 Dredging Project Update (Key Points)

- Adjusted the resuspension standard at far-field monitoring stations
- PCB monitoring program and special studies



Special Studies

- Diagnostic testing of far-field stations
- Characterization of NAPL in dredged sediments
- Surface sediment sampling
- PCB release due to dredging in near-field
- PCB losses moving down river
- Sediment/PCB loading from tributaries
- PCB deposition outside dredge areas

Phase 2 Dredging Project Update (Other)

- GE is developing a model which EPA is reviewing
- Resuspension and Load Standard
 - Use existing far-field monitoring locations
- Habitat reconstruction considerations
- Next Steps
 - Design
 - Contracting
 - Dredging in May

