

A large, faint watermark of the Environmental Protection Agency (EPA) logo is centered in the background. The logo features a stylized flower with three leaves and a circular center, surrounded by the text "UNITED STATES ENVIRONMENTAL PROTECTION AGENCY".

Next Steps and Upcoming Project Activities

Community Advisory Group Meeting

October 1, 2015

Summary



- Complete Project Certification Forms
- Ongoing Habitat Reconstruction 2015/2016
- Facility Demobilization and Restoration
- Remedial Action Certification of Completion
- OM&M
 - Caps
 - Habitat
 - Fish
 - Water Column
 - Sediment

Certification Forms 2015/2016



- As remaining areas are completed (review/approval):
 - Form 1: CU Dredging Completion Approval
 - Form 2: CU Backfill/Engineered Cap Completion Approval
 - Form 3: Final CU Construction Completion Certification
 - Approval after habitat/stabilization activities,
 - Fall 2016



Habitat Reconstruction



- Habitat reconstruction of areas dredged in 2015 will be completed in 2016
- EPA expects that habitat reconstruction will be completed in 2016
- Shoreline stabilization activities continue



Remedial Action Certification of Completion



- Certification of Completion of Remedial Action
 - Sequence of steps that require GE submittals and EPA review (includes NYS and trustee review)
 - Facility demobilization and Restoration
 - Also includes inspections
- Ongoing OM&M
 - OM&M for caps in Phase 1 and Phase 2 are slightly different, based on agreements
- Certification of Completion of the Work

Operations, Maintenance, and Monitoring (OM&M): Caps



OM&M

- Caps: year 1, year 5, and year 10 surveys after construction, then 10-year surveys in perpetuity (*for Phase 1, caps are monitored for 30 years*)
 - i.e., 2011 caps surveyed in 2012, 2016, and 2021
 - Surveys after flood events
 - Cause of cap disturbance requires evaluation
 - Repairs if 3” of elevation loss over 4,000 sf area or 20% of cap area



Operations, Maintenance, and Monitoring (OM&M): Habitat



- Habitat:
 - Benchmark evaluation phase
 - Typically five years, including year of planting (Phase 1 areas restored in 2010 will likely end benchmark evaluation next year)
 - Observation of percent cover and species composition
 - Purpose: to monitor progress of initial plantings and natural recolonization
 - Comparison of individual areas to reference areas
 - Success Criteria phase
 - Quantitative, statistically-based evaluation
 - Habitat-specific (RFW and SAV)
 - Comparison by river reach to reference areas

Operations, Maintenance, and Monitoring (OM&M): Fish Monitoring



OM&M

- Others:
 - Fish Monitoring
 - Continue current annual program (spring and fall) for minimum 3 years after completion of dredging followed by program evaluation
 - Fish monitoring expected to continue into the foreseeable future (consideration of remedial action objectives and fish advisories)



Operations, Maintenance, and Monitoring (OM&M): Water Column and Sediment Monitoring



OM&M

- Others:
 - Water Column Monitoring
 - Continue current program for minimum 3 years after completion of remedial action followed by review of monitoring program
 - Continue to evaluate PCB load to lower river
 - Continue to evaluate concentrations at baseline stations in the Upper Hudson River
 - Sediment Monitoring
 - Coring of dredge and non-dredge areas to evaluate concentrations after dredging is completed

Questions?

