

Project Activities

As shown in the figure at the right, this project will be performed in several steps. The key project activities include:

Construction Activities – 2011

- The sheet pile enclosure will be installed at the Phase I Work Area.
- Processing and treatment facilities will be constructed at the Upland Processing Facility.
- The hydraulic pipeline will be installed between the Phase I Work Area and Upland Processing Facility. The double-walled pipeline will float and be tethered near the southern shore of the river.
- Monitoring will be performed at the Phase I Work Area and the Upland Processing Facility to ensure safe operations.

Sediment Removal Operations – 2012

- About 40,000 cubic yards of sediment material will be mechanically removed from within the enclosure. After debris is separated, water will be added to the sediment to create a slurry.
- The pipeline will transfer sediment slurry from the Phase I Work Area to the Upland Processing Facility. The sediment slurry will be dewatered and the water treated.
- Dewatered materials will be placed in lined and sealed containers for transport along a designated truck route a few miles south to Brills Yard. There the containers will be transported by train to out-of-state treatment or disposal facilities.
- After sediment removal activities are complete, the enclosure will be filled with clean backfill. When EPA confirms project goals have been met, the sheet pile enclosure, pipeline, and other project facilities will be removed.

Protecting the Community

The project is designed to protect the river, workers, visitors, and community. As detailed in the Community Health and Safety Plan (CHASP), the following are examples of how the project may affect the community:

- **Traffic** – Trucks will stay on designated routes that avoid residential areas, schools, and parks. Traffic and energy consumption will be reduced through use of rail for out-of-state transport.
- **Noise** – Construction may be noisy at times, but crews will work primarily during daylight hours and, when possible, equipment is selected with noise reduction in mind.
- **Odor** – Sediment material often smells when disturbed, but plans are in place to reduce or address odors if they occur when removal activities begin next year.
- **Navigation** – Work boats and equipment will be in the river near Lister Avenue and Blanchard Street. Signs, buoys, and other navigational aids will help keep boats away from work zones.



Lower Passaic River Restoration Project

Phase I Removal Action Fact Sheet

June 2011

Site Description

The Lower Passaic River Phase I Removal Action project is a significant step forward in the cleanup and restoration of the lower Passaic River. The United States Environmental Protection Agency (EPA) in cooperation with other state and federal agencies are overseeing removal and disposal of sediments and debris from a targeted section of the Passaic River. Material will be removed from a small area of the river located adjacent to the Diamond Alkali Superfund Site in Newark, New Jersey (at approximately River Mile 3.4). The activities planned for 2011 and 2012 are the first phase of a two-part action funded by Tierra Solutions, Inc. to remove about 40,000 cubic yards of material.

Project Location

Construction activities will occur this year at two locations:

Phase I Work Area

80 Lister Avenue, Newark, NJ

The Phase I Work Area is a 2-acre area of river adjacent to the Diamond Alkali Superfund Site. A steel sheet pile enclosure will be constructed to surround the 40,000 cubic yards of material, isolating them from the rest of the Passaic River during sediment removal activities. The sheet pile enclosure will be approximately 750 feet long by 110 to 135 feet wide (see map on inside of this fact sheet). The enclosure will be located outside the navigation channel, which will help allow continued recreational and commercial use of river.

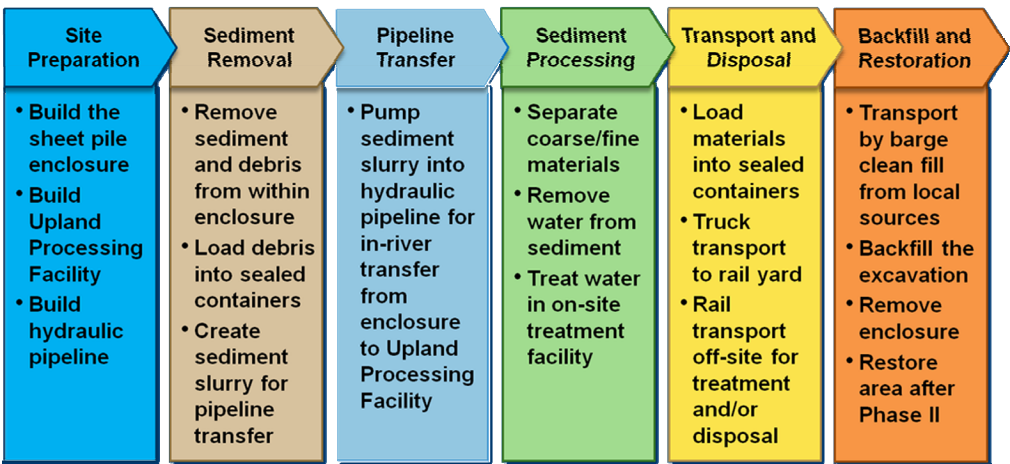
Upland Processing Facility

117 Blanchard Street, Newark, NJ

The Upland Processing Facility will be constructed on a nearby property, approximately 1,000 feet downstream (east) of the sheet pile Phase I Work Area. The facility will include equipment to remove water from sediments, treat that water, and load the dewatered sediments into lined and sealed containers. Also constructed this year will be an in-river hydraulic pipeline between the Phase I Work Area and Upland Processing Facility.

Project Timeline

Construction activities will begin this summer, with sediment removal operations beginning in spring 2012. After construction is complete at the Phase I Work Area and the Upland Processing Facility, work will pause for the cold winter months. In spring 2012, work will resume including the start of sediment removal operations. All work is expected to be complete and project facilities dismantled by the end of 2012.



Key Contacts

Elizabeth Butler

EPA Project Manager
Phone: 212-637-4396
butler.elizabeth@epa.gov

David Kluesner

EPA Community Involvement Coordinator
Phone: 212-637-3653
kluesner.dave@epa.gov

Community Hotline

For questions or concerns about the project please contact the Community Hotline and Investigation/Response Process (CHIRP) at 1-888-283-7626. Later this summer, an automated hotline will be available in Spanish and Portuguese at 1-877-777-5853.

For More Information

Project Websites

www.ourpassaic.org
<http://www.epa.gov/region02/superfund/npl/diamondalkali/>

Document Repositories

EPA Region 2
Superfund Records Center
290 Broadway, 18th floor
New York, NY 10007-1866
Phone: 212-637-4308

Newark Public Library
New Jersey Reference Section
5 Washington Street
Newark, NJ 07101
Phone: 201-733-7775

