

The St. Louis Sites

Formerly Utilized Sites Remedial Action Program • Winter 2012

(314) 260-3905

www.mvs.usace.army.mil

St. Louis Downtown Site

Remedial Action (RA) construction activities completed since the last newsletter or currently in progress at the St. Louis Downtown Site include additional excavations in the Covidien (formerly Mallinckrodt) Plant 7 North (7N) at their former Hazardous Waste Storage Area, in Plant 7 West (7W) at the historic Manhattan Engineer District/Atomic Energy Commission (MED/AEC) 700 Pad, along the BNSF Railroad tracks on the eastern edge of the Covidien Plant and on the City of St. Louis property along Destrehan Street between the Covidien Plant and the Mississippi River.

Remediation and restoration of seven areas located along the BNSF Railroad right-of-way between Angelica Street and Dock Street were performed between May 2010 and September 2011. Approximately 2,300 bank cubic yards (cys) of contaminated soil were removed and transported to the Soil Storage and Loadout Facility for loading into railroad gondola cars for off-site disposal. The excavation depths in six of the areas varied from about 2 to 6 feet, but around the Destrehan Street 30-inch sewer main, the maximum excavation depth extended to about 14 feet.

Restoration of the remediated Plant 7N former hazardous waste storage area is nearing completion. Covidien has now completed the required closure procedures for this previously permitted hazardous waste storage facility. The remediation of this area included excavation depths up to 12 feet and the removal of approximately 2,750 cys of contaminated soil.

Remediation of the Plant 7W Building 700 Pad was started in April 2011 and is continuing. Demolition and removal of the former building foundations were completed recently. Remediation of this area may require the removal of approximately 4,890 bank cys of contaminated soil per the



Remediation and restoration at city property east of the levee

Plant 7W design documents. Completion of the RA activities in this area is currently scheduled for March 2012.

Remediation and restoration of three excavation areas (Nos. 4, 5, and 9) on city property on the east side of the levee were performed between January and April 2011. Their completion included the removal of approximately 800 bank cys of contaminated soil. Work in these areas required daily monitoring of Mississippi River levels to follow U.S. Army Corps of Engineers (USACE) River Stage/Excavation Guidelines. Restoration of the surface area at these locations also required the replacement of the clay cap layer with a vegetation cover and rip rap protection for the river bank to minimize seepage and erosion adjacent to the river.

Remediation and restoration of the fourth excavation area (No. 3) on city property on the east side of the levee is nearing completion. The remediation of this area began in February 2011 and included excavation depths extending to approximately 22 feet for the removal of approximately 7,900 bank cys of contaminated soil. Excavation in this area also followed USACE River Stage/Excavation Guidelines. Restoration of this area also includes the replacement of the clay cap layer with a vegetation cover and rip rap protection for the river bank to minimize seepage and erosion adjacent to the river.

Upcoming Events

Information Releases: [Summer Newsletter - July 2012](#)

[This newsletter is issued twice a year.](#)

Upcoming Meeting: [St. Louis Oversight Committee Meeting - TBD.](#) Check www.mvs.usace.army.mil/eng-con/expertise/fusrap.html for meeting date and time.



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Remediation of the last two areas (Nos. 7 and 8) on city property on the east side of the levee was started in October 2011. Over 200 linear feet of sheet pile shoring were previously installed along the east side of the levee toe to facilitate remediation of the area, and a cable marker sign was moved to a location outside the planned excavation area. The planned excavation of this area will extend into the edge of the river to remove abandoned sewer outfall structures and will be staged for work in that area to be performed during low river levels. The projected schedule for the remediation and restoration of these areas extends until early 2013.

An additional excavation area on city property on the west side of the levee is now underway to remediate the section of the Destrehan Street 30-inch sewer main beneath an overhead trestle between the previous remediation area and the adjacent BNSF Railroad property line. This excavation requires the use of slide rail shoring to facilitate the deep excavation in order to remove contaminated soil around the 30-inch sewer. Approximately 30 linear feet of the sewer main will be removed and replaced as well as the removal of approximately 250 bank cys of contaminated soil. The completion of this RA is currently scheduled for January 2012.

North County

Hazelwood Interim Storage Site (HISS)/Futura

In 2000 and 2001, the USACE removed over 54,000 cys of contaminated material from the storage piles located at the Latty Avenue properties. Since 2007, the USACE removed over 102,000 cys of contaminated material



Sampling Futura property for radioactive contamination



Removal of contaminated soil at the Ballfields area

from below the surface and shipped it to an out-of-state licensed storage facility. In 2011, the USACE removed and remediated beneath the Hazelwood Interim Storage Site (HISS) rail spur to complete the remedial activities at the HISS, which completed remediation of the HISS property.

The USACE is currently characterizing the buildings on the Futura property for radioactive contamination. Once the characterization of the buildings is complete, the USACE will remediate/decontaminate the buildings on the Futura site. The USACE's goal is to complete all the remedial activities at the HISS/Futura site in 2012. Following completion of remedial activities, a Post-Remedial Action Report (PRAR)/Final Status Survey Evaluation (FSSE) will be prepared to release these properties. The USACE anticipates the release of the PRAR/FSSE for HISS/Futura properties in 2013.

The North County Record of Decision states contamination under buildings is inaccessible. The USACE will place institutional controls on the contamination left in place at the Futura property. In order to protect Coldwater Creek (adjacent to the Futura property), a Long-Term Environmental monitoring program has already established. This program evaluates and identifies the groundwater for radiological parameters that may affect Coldwater Creek. There is currently no migration of contamination.



Contaminated material removed from SLAPS

Latty Avenue Vicinity Properties (VPs)

In 2011, the USACE completed remedial activities at the Latty Avenue Vicinity Properties (VPs). The Latty Avenue VPs include VPs 02L, 03L, 04L, 05L, 06L, and 40a. At VP-02L, the USACE removed over 17,000 cys of contaminated material and shipped it to a licensed out-of-state facility. At VP-40a, over 29,000 cys of contaminated material were removed and shipped to a licensed out-of-state facility. From VP-03L to -06L, a minimal amount of contaminated material was removed during utility support work at the sites. The USACE anticipates the PRARs/FSSEs for the Latty Avenue properties to be completed by the end of 2012. The USACE released the PRAR/FSSE for VP-01L/10K530087 in 2010.

SLAPS Vicinity Properties

In 2011, the USACE completed remedial activities at several of the St. Louis Airport Site (SLAPS) VP. At VP-12 (located on the north side of McDonnell Boulevard and to the north of Coldwater Creek), over 5,000 cys of contaminated material were removed and shipped to an out-of-state licensed facility. Remedial activities were completed on the southeast section of McDonnell Boulevard (known as East Section B), removing 166 cys of contaminated material. Approximately 734 cys of contaminated material were removed from VP-31A located at Frost and Hazelwood Avenues in 2011.

In 2011 the USACE completed the characterization of soils under McDonnell Boulevard and Eva Avenue, VP-16/Eva

Loadout area, and VP-40a (SLAPS VP). The USACE also released the PRARs/FSSEs for VPs 5, 6, 8, 9, 53, 54, 55, and 63 and the Pre-Design Investigation Report (PDIR)/FSSE for VPs 3 and 4.

The USACE also initiated remedial activities at the Ballfields (IA-09). The Ballfields area consists of approximately 60 acres in Hazelwood, MO. The property is located north of Lambert-St. Louis International Airport and bounded to the north by McDonnell Boulevard, to the east by Eva Avenue, to the north by Frost Avenue and to the west by Coldwater Creek. Historically, the property was used for agricultural land and a baseball field complex and was also a part of the former Brown Road. Contamination of the Ballfields occurred when residues migrated from SLAPS via runoff onto adjacent properties through Coldwater Creek or was windblown, released, or otherwise deposited when material was transported along haul routes. The northern portion of the Ballfields is currently used by the City of Berkeley as a shooting range; the remainder of the property is not in use.

The remediation of the Ballfields will be completed in three phases. Phase 1 includes the east portion of the Ballfields area along Eva Avenue; IA-08 North Ditch (east portion); IA-09 North Ditch (east portion) and Eva Road. This area is situated on the east side of the area drainage divide and comprises approximately 25 acres. The USACE anticipates the removal of approximately 3,580 bank cys of contaminated material. Remedial activities have started at the Ballfields along Eva Avenue and along McDonnell Boulevard. Estimation of the completion of Phase 1 Ballfields will be approximately 8 to 12 months. The USACE is currently performing additional sampling of the Phase 2 area in the Ballfields to determine the extent of remediation.

Keeping in Touch

Mailing Lists - To receive newsletters and other printed communications, sign up for our mailing list any time.

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Homepage - To reach our site, go to www.mvs.usace.army.mil/eng-con/expertise/fusrap.html

If you have any suggestions, questions, or comments, please contact us.

Educational Information

Q: **What is the difference between the Resource Conservation Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)?**

A: RCRA regulates how wastes should be managed to avoid potential threats to human health and the environment. CERCLA, on the other hand, comes into play when mismanagement occurs or has occurred (i.e., when there has been a release or a substantial threat of a release in the environment of a hazardous substance or of a pollutant or contaminant that presents an imminent and substantial threat to human health).

Information quoted from RCRA Orientation Manual: CERCLA - The Hazardous Waste Cleanup Program. For additional information, the full manual can be viewed at:
<http://www.epa.gov/osw/inforesources/pubs/orientat/rom62.pdf>

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