

The St. Louis Sites

Formerly Utilized Sites Remedial Action Program • Fall 2001

(314) 260-3905

www.mvs.usace.army.mil



Crews have removed over 10,100 cubic yards of soil and debris as work progresses across the 4.5-acre Plant 6 East Half site.

St. Louis Downtown Site (SLDS)

Plant 6 East Half Continues

The U.S. Army Corps of Engineers (USACE) is continuing to remove radiological contamination from the east half of Plant 6. Under the approved St. Louis Downtown Site (SLDS) Record of Decision, the USACE expects to remove 15,000 cubic yards of material from the Plant 6 East Half.

Remedial activities in the Plant 6 East Half began in January 2001 with the removal of the concrete pad, which covered the foundations of the former Mallinckrodt Buildings 116 and 117. Since the removal of this concrete pad, crews have been systematically removing soils from the 4.5-acre site. Additional soil borings were collected from the floor of the excavation and from beneath a concrete ring-wall encompassing the work area to ensure the cleanup requirements outlined in the 1998 SLDS Record of Decision are met.

Approximately 10,100 cubic yards of soil, concrete and debris have been removed from Plant 6 East Half to

date. Cleanup activities are expected to continue in the plant through February 2002.

Vicinity Property Cleanup Begins

Efforts to remove residual radioactively contaminated soils at the SLDS Vicinity Properties are underway. Remediation activities have begun on the first vicinity property scheduled for cleanup, DT-7 (located south of Mallinckrodt along Angelrodt Street).

Preparatory work for the DT-7 remediation began last May with the installation of temporary fencing to prevent inadvertent entry into the work area. Although no buildings or other facilities are currently located on the property, the USACE put environmental controls in place to prevent the offsite migration of sediments. Air and water resources are being monitored as the estimated 2,000 cubic yards of material are removed from the property. Over 1,700 cubic yards of material have been excavated to date.

The USACE is working to identify the full depth and extent of contamination on other surrounding properties resulting from the activities of the resulting from the activities of the Manhattan Engineer District/Atomic Energy Commission (MED/AEC). Samples are being collected from properties surrounding the Mallinckrodt facility. Data from these samples allow the USACE to identify areas of concern or to certify the property free of MED/AEC contamination.

What's Next?

Upon completing the cleanup of DT-7, the USACE will begin remediating DT-8 located north of the Mallinckrodt facility. Efforts to cleanup Plant 6 East Half are expected to continue through the winter. ■

Upcoming Events

Information Releases:

[Winter Newsletter – December 2001](#)

[St. Louis Oversight Committee Meeting at the FUSRAP Project Office at 11:30 a.m. on October 12th, November 9th, and December 14th. Please come if you are available!](#)



US Army Corps
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St. Louis District

North County

Feasibility Study/Proposed Plan Update

The North County Feasibility Study/Proposed Plan (FS/PP) is getting closer to release for public review. The North County FS/PP will present six remedial alternatives to address contamination resulting from the activities of the Manhattan Engineer District/Atomic Energy Commission (MED/AEC) during the development of the atomic bomb in the 1940s and 50s.

The USACE provided draft copies of the North County FS/PP to the U. S. Environmental Protection Agency and the Missouri Department of Natural Resources for review last fall. As the USACE began incorporating changes based on formal comments from these agencies, the basis for the cost of each alternative was altered. To ensure the accuracy of information presented to the public, the USACE elected to perform a comprehensive review of the reported cost for each alternative.

An extensive internal USACE review of the draft documents incorporating the first round of regulatory comments and the new cost data was recently completed. Copies of the revised draft FS/PP are currently under internal USACE review. Once comments are addressed, the USACE will present the North County FS/PP to the regulators for a 30-day review and comment period. Following a USACE response to the regulators' comments, the North County FS/PP will be presented to the public for a 30-day review and comment period.

The final remedy selected to address contamination at the North County sites will be selected based on written comments received during the public comment period. The final cleanup remedy may be different from the




The long, thin finger of the East End Extension in the drainage ditch along McDonnell Boulevard will be removed next summer to avoid potential water management problems during wet winter months.



Removal activities are nearly finished in seven of the ten areas that make up the SLAPS East End Extension.

alternative USACE identifies in the Proposed Plan as the one preferred.

What's Next?

After State and Federal agency comments on the documents are addressed, the North County FS/PP will be released to the public for review and comment. 

St. Louis Airport Site (SLAPS)

East End Extension Progresses

Since November 2000, the USACE has made significant progress in removing contaminated soils from the five-acre wedge of the St. Louis Airport Site (SLAPS), known as the East End Extension.


The work area was divided into ten Ω -acre units to minimize potential contaminant migration issues during the cleanup. Under the approved 1998 SLAPS Engineering Evaluation/Cost Analysis (EE/CA), the USACE has removed almost 60,000 cubic yards of contaminated soil from seven units located in the main body of the East End Extension. Most of the contaminated soils were contained within the first five to nine feet of the surface, although some areas required excavation to depths of 21 feet.

Contamination in a portion of the East End Extension, comprised of the drainage ditch along McDonnell Boulevard, will be removed next summer. Work in this area is being delayed to avoid potential water management problems during the wet winter months. In the meantime, the USACE is working with the County Highway Department to ensure that the integrity of McDonnell Boulevard is maintained during the removal of a few small areas of contamination extending under its shoulder.

Currently, a temporary 21,000 cubic yard stockpile of soil from the East End Extension is being shipped to an out-of-state disposal facility. These soils were temporarily stockpiled at the SLAPS rail load out facility due to funding constraints near the end of the 2001 fiscal year, which ended in September.

Excavation activities will resume after the stockpile has been loaded into railcars for transport. The USACE anticipates that the remaining 3,000 cubic yards of soil will be removed from the main body of the East End Extension by early November.

What's Next?

Once cleanup work in the main body of the East End Extension is finished, crews will begin removing contaminated material from the central portion of SLAPS, referred to as Phase 1. 

Hazelwood Interim Storage Site (HISS)

Pile Removal Nears Completion

The appearance of the Hazelwood Interim Storage Site (HISS) has undergone a dramatic change over the past year. The large stockpiles of material covered with green tarps and rock will soon be completely gone. Under the 1998 Engineering Evaluation/Cost Analysis (EE/CA) for Latty Avenue/HISS, the removal of the final stockpile (the Main Pile) is nearly complete.

USACE began removing the HISS Main Pile last fall. Using a small business contractor, over 20,000 cubic yards of contaminated soils and debris from the Main



The USACE anticipates loading the final material from the HISS stockpiles into a railcar for transportation and disposal by the end of October.

Keeping in Touch

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

Phone: (314) 260-3905
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Public Speaking - If your group, school, or association would like to hear from one of our experts, give us a call. We can speak on a variety of fields, including engineering, the environment, and geology.


Homepage - To reach our site, set your browser to www.mvs.usace.army.mil and click on the FUSRAP icon.

If you have any suggestions, questions, or comments, contact our office anytime.

Pile have been loaded onto railcars for transport to an out-of-state disposal facility. Removal of the remaining 9,500 cubic yards of material began in September. The USACE anticipates pile removal activities will be completed in October, with the loading and shipping of the final railcar of material.

Until a final cleanup remedy for the North County site is selected, the USACE will cover soils in the footprint of the piles to stabilize the site and ensure sediments cannot readily move offsite. Nearly 50,000 cubic yards of material have been removed from HISS to date.

What's next?


Crews will begin characterizing the area beneath the piles to prepare for the selection of the final removal criteria when the pile removal process is done. 

Want to really keep up with what's happening at FUSRAP?

Visit the St. Louis Oversight Committee web page! Each month, members of the St. Louis District, Corps of Engineers team meet with the Oversight Committee to present the current status of work around the project. A copy of the Corps's presentation and the Committee Chairman's notes from the previous month are posted on the site for others to view. Visit www.mvs.usace.army.mil/engr/fusrap/SLOC, to keep up with the latest information available about progress at the St. Louis Sites!

What kinds of people does it take to cleanup FUSRAP?

Q: Have you ever wondered what all those people on a FUSRAP site do?

A: *The FUSRAP team is comprised of people from a variety of occupational backgrounds. We use the technical expertise of environmental and design engineers, geologists, physicists, chemists, and biologists to design effective environmental cleanup strategies. The practical skills of field engineers, technicians, laborers, inspectors, health and safety personnel, and transportation and disposal officials ensure cleanup work is carried out safely and effectively. Blending and supporting the expertise of these two groups to ensure the project work is well-coordinated and operating smoothly is the function of project management, real estate, the office of counsel, community outreach, accounting, contracting and information management personnel. Effective cleanup of a FUSRAP site takes the experience, knowledge and skills of all these professionals.* 



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