

The St. Louis Sites

Formerly Utilized Sites Remedial Action Program • Winter 2011

(314) 260-3905

www.mvs.usace.army.mil

Five Year Review

The Second Five Year Review (FYR) has been completed for the St. Louis FUSRAP sites. Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), an evaluation of response is required at least every five years following the start of the cleanup at hazardous waste sites where contaminants are present above levels that allow for unlimited use/unrestricted exposure. The Second Five Year Review covers the 09/01/2003 to 12/31/2008 time period. This review evaluates the protectiveness of the St. Louis Sites (SLS) remedies.

The Second FYR for the SLS was conducted by a team led by the U.S. Army Corps of Engineers (USACE), with representatives from the U.S. Environmental Protection Agency and the Missouri Department of Natural Resources. The FYR consisted of four components: document review, site inspection, site interviews, and assessment of response action protectiveness.

The remedial actions of the St. Louis Downtown Site (SLDS) operable unit (OU) and the North St. Louis County OU are under construction. These actions for the SLS OUs are designed to be protective of human health and the environment upon completion. In the interim, exposure pathways that could result in unacceptable risks are being controlled.

The results of the FYR are available to the public in the *Five Year Review Report for the St. Louis FUSRAP Sites*. This report documents the methods, findings, and conclusions of the review. Any problems



USACE has nearly remediated the sixth area in Plant 6WH, Phase 2 at the St. Louis Downtown Site.

found and recommendations to address them are documented in the report.

The public can read copies of this report in the Administrative Record located at the FUSRAP Project Office at 8945 Latty Avenue in Berkeley, MO. Because the main branch of the St. Louis Public Library is closed for remodeling, a copy of this FYR can be also found at the St. Louis Public Library – Prairie Commons Branch at 915 Utz Lane in St. Louis. The FYR can also be viewed on the FUSRAP website: www.mvs.usace.army.mil/eng-con/expertise/fusrap.html

St. Louis Downtown Site

During the period from October 1, 2009 until September 30, 2010, Remedial Action (RA) construction activities were in progress or completed at the City Property west of the Mississippi River levee (Vicinity Property [VP] DT-2), BNSF Railroad (VP DT-12), Covidien - Plant 7N Hazardous Waste Storage Area (HWSA), and Covidien - Plant 6WH, Phase 2.

Remediation of the DT-2 area surrounding the 30-inch sewer in the Destrehan Street right-of-way, west of the levee, was completed with authorization to backfill in October 2009. The active sewers rerouted during RA activities were restored, and the area was backfilled

Upcoming Events

Information Releases: *Summer Newsletter - July 2011*
This newsletter is issued twice a year.

Upcoming Meeting: *St. Louis Oversight Committee Meeting - Friday, February 25, 2011, 1:00 pm at the FUSRAP Project Office at 8945 Latty Avenue in Berkeley, MO 63134.*



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and restored during FY10. Most sheet pile shoring, which was installed to safely reduce the excavation size and for protection of the Mississippi River Flood Protection Levee, was left in place but cut-off about 2 ft. below finished grade. However, some sheet pile was removed for use at other locations. A total of approximately 9,200 cubic yards of soil was removed for the DT-2 RA, including roughly 3,900 cubic yards of contaminated material and about 5,300 cubic yards of clean overburden soil.

Remediation of six areas in DT-12 along the Burlington Northern Santa Fe Railroad right-of-way between Angelica Street and Dock Street was started in May 2010 and five of the six areas were completed in FY10. Remediation of the sixth area on this property was nearing completion at the end of FY10. Approximately 1,200 cubic yards of soil were removed from the five areas in FY10, and the completed areas were backfilled and the surface restored with gravel.

Remediation of the Plant 7N HWSA area began in February 2010 with the installation of sheet pile shoring along portions of the south and west sides of the excavation to protect building structures on the adjacent property. During FY10, the storage area canopy structure and historical building foundations were removed to prepare the area to complete the planned RA in FY11.

Remediation of the Plant 6WH, Phase 2 area continued in FY10 with two of the six planned excavation areas being completed during that period. At the end of FY10, five of the six planned areas had been completed



Excavation of the Plant 7 Hazardous Waste Storage Area continued during FY10.



USACE completed remedial activities at VP-02L in FY10.

including the three areas completed prior to FY10. The RA in the two areas included the removal of about 8,100 cubic yards of contaminated soil. These areas were backfilled, and the surface was restored with asphalt pavement for the continued use as the Soil Storage and Load-Out Facility for the SLDS operations adjacent to the rail spur. Remediation of the sixth area in Plant 6WH, Phase 2 was nearing completion at the end of FY10.

North County

Latty Avenue Sites

In FY10, the USACE continued remedial activities at the Hazelwood Interim Storage Site (HISS)/Futura site. The USACE removed another set of underground tanks buried behind the buildings at Futura and continued remediating around the Futura buildings and on the HISS side of the property. Remedial activities also continued at VP-40A (Norfolk Southern Railroad property) adjacent to the HISS. The USACE removed over 19,100 cubic yards of contaminated material from these areas. Remedial activities were completed at VP-2L in FY10 removing over 16,000 cubic yards of contaminated material. The USACE also issued Post Remedial Action Reports (PRARs) for two Latty Avenue properties (VP-1L and 10K530087) during FY10.



Remediation proceeds along the McDonnell Boulevard Right-of-Way.

During FY11, the USACE anticipates completing the remediation on the Futura property and remediating the soils under the HISS railspur with the removal of the tracks. The USACE will begin sampling and characterizing the building on VP-2L and Latty Avenue properties, VP-3L and -5L. VP-6L and other parts of VP-40A property will be remediated concurrent with the HISS railspur remediation.

St. Louis Airport Vicinity Properties

In FY10, the USACE received American Recovery and Reinvestment Act (ARRA) funds to remediate properties at the SLAPS VPs. Five properties (VPs-5, -6, -53, -54, -55, and -63) were remediated. Over 3,000 cubic yards of contaminated material was removed from the ARRA properties and shipped to a licensed, out-of-state facility.

Remediation was also initiated at three other SLAPS VPs: VP-12; area north of McDonnell Boulevard, adjacent to Coldwater Creek (CWC); and, the south eastern section of the McDonnell Boulevard Right-of-Ways (ROWS). To date, the USACE has removed over 1,900 cubic yards from VP-12; over 1,800 cubic yards from the area north of McDonnell Boulevard adjacent to CWC; and, over 450 cubic yards from the McDonnell Boulevard ROWs. Remediation continues at these properties and will be completed in FY11.

During FY10, the USACE issued the PRARs for eight SLAPS VPs along Hazelwood Avenue (VPs-32, -35, -35A, -36, -39, -40, -42, and -47) and a Pre-Design Investigation Report/Final Status Survey Evaluation (PDIR/FSSE) for three Hazelwood Avenue properties (VPs-33, -34, and -37).

In FY11, the USACE anticipates the release of the ARRA properties (VPs-5, -6, -53, -54, -55, and -63) when the PRARs for these properties are issued and the PDIR/FSSE for VPs-3 and -4 is finalized.

Fiscal Year 2011 Funding

As of January 2011, Congress has not passed an appropriations bill for FUSRAP. In December, 2010 Congress passed and the President signed an extension of the Continuing Resolution through March 4, 2011. Essentially, a Continuing Resolution provides interim authority to continue funding federal programs until an appropriations bill is enacted.

Personnel

At the end of December, Mr. Roy Parks, the SLDS Project Manager (PM), retired after serving USACE for 28 years. He worked on FUSRAP's St. Louis sites for the past ten years, three of which he served as the SLDS PM. We wish him well.

St. Louis FUSRAP welcomes our new PM, Steve Hamm. Steve comes to us with experience from U.S. Steel - Granite City Works and Environmental Resources Management.

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/expetise/fusrap.html.

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

Educational Information**Q: What is radon?**

A: Radon is a tasteless, odorless, and colorless gas naturally found in rocks, soil, and water. Radon is a radioactive and carcinogenic element known to cause lung cancer. As a result, it is considered to be a contaminant that affects indoor air quality and is typically the largest source of background radiation dose for humans.

Radon is formed from the radioactive decay of uranium and thorium from rock and soil. The radon gas rises from soil and tends to accumulate in low lying areas in buildings due to its heavy density. The concentration of radon in a building depends on several factors, including ventilation, local geology, weather, and building design. The EPA estimates that one in 15 homes have concentrations of radon that are at or above the EPA's national voluntary action level of 4 picocuries per liter. Many test kits are available to test your home or office for radon levels.

For more information, refer to the EPA's citizen's guide to radon.
<http://www.epa.gov/radon/pubs/citguide.html>

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