

The St. Louis Sites

Formerly Utilized Sites Remedial Action Program • Winter 2019

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www.mvs.usace.army.mil

USACE conducts Five-Year Review of St. Louis Sites

The U.S. Army Corps of Engineers (USACE), St. Louis District, Formerly Utilized Sites Remedial Action Program (FUSRAP) will begin its fourth Five-Year Review (FYR) of the St. Louis Sites in 2019. USACE will be contacting businesses, property owners, representatives from government agencies, utility companies and private citizens to interview. USACE anticipates the completion of the fourth FYR by July 2020.

The FYR is a tool to determine whether the cleanup response continues to be protective of human health and the environment. A team conducts an FYR when a remedial action leaves hazardous substances on the site at levels that do not allow for unlimited use and unrestricted exposure (UUUE). For example, this can occur when contamination remains under roads, railroads or buildings (inaccessible soils).

These reviews begin five years after the initiation of the first response and continue in five-year cycles in perpetuity or at least until the site is documented in an FYR to meet UUUE criteria.

How is a Five-Year Review conducted?

A team led by USACE with representatives from the U.S. Environmental Protection Agency (EPA) and the Missouri Department of Natural Resources (MDNR) will conduct the FYR.

The FYR consists of six components: community involvement and notification, document review, data review and analysis, site inspection, interviews and assessment of response-action protectiveness.

The “document review” is a review of the key documents identifying the approved response actions, how they are being carried out, legal requirements influencing the response actions, impacts of the response action on human health and the environment, and community concerns. These documents include the records of decision (RODs), as-built drawings, site-monitoring information and the Federal Facilities Agreement (FFA).

The site-inspection process involves the team inspection of each site and identifies the condition of the site and surrounding area. The team verifies that key records, such



Contractors perform sampling activities along Coldwater Creek in North St. Louis County.

as health and safety plans, are on-site and available; verifies that access controls (fences, etc.) are in place; and notes the general condition of site features (i.e., cover material).

The team also seeks community input regarding the implementation of the response actions through site interviews. The team asks members of the community, site personnel, state/local authorities, community groups, property owners and neighboring residents/businesses to identify any problems that need to be addressed at the sites and to identify concerns regarding the impacts of the cleanup as it progresses.

Finding the results of the Five-Year Review

The results of FYRs are available to the public in the “Five-Year Review Report for the St. Louis FUSRAP Sites.”

You can find the third FYR of the St. Louis Sites (2015) on the FUSRAP webpage at <http://bit.ly/FUSRAPstl> or <https://www.mvs.usace.army.mil/Missions/Centers-of-Expertise/Formerly-Utilized-Sites-Remedial-Action-Program/> under “Five-Year Review.” The final report documents the methods, findings and conclusions of the review. If the cleanup status is found not to be protective of human health and the environment, recommendations to address any concerns will be documented in the report. After the fourth FYR of the St. Louis Sites is complete, the FUSRAP team will post the report to the FUSRAP webpage.



US Army Corps
of Engineers®
St. Louis District

St. Louis Formerly Utilized Sites Remedial Action Program Activities

North St. Louis County Sites

In fiscal year (FY) 2018, the U.S. Army Corps of Engineers, St. Louis District, continued remedial activities in accordance with a 2005 Record of Decision (ROD) for the three sites that comprise the North St. Louis County Sites:

- the Latty Avenue Properties, which include Hazelwood Interim Storage Site (HISS)/Futura Coatings Company and 10 vicinity properties;
- the St. Louis Airport Site (SLAPS); and
- the SLAPS Vicinity Properties, from St. Louis Lambert International Airport to the Missouri River.

Latty Avenue Properties

The Latty Avenue Properties comprise 10 vicinity properties plus the Hazelwood Interim Storage Site and Futura. Residues generated at the Mallinckrodt plant in St. Louis from 1942 through the late 1950s under contracts with the Manhattan Engineer District and the Atomic Energy Commission (MED/AEC) were moved to SLAPS. The residues from SLAPS were bought by a private company and hauled to Futura to extract more metals from the residue. The remaining wastes were shipped to Canon City, Colorado. The HISS piles were formed from 1979 to 1984 when the new property owner was preparing the property for use, demolishing one building, excavating portions of the western half of the property, paving certain areas and erecting several new buildings. Material excavated during these activities (approximately 13,000 cubic yards) was piled on the eastern portion of the property. USACE started removal of the HISS piles in spring 2000 and

Keeping in Touch

Feedback - If you have any suggestions, questions or comments, contact the U.S. Army Corps of Engineers using any one of the following contact methods:

Phone: 314-260-3905/314-331-8000

Mail: U.S. Army Corps of Engineers, St. Louis District
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Mailing List - To receive newsletters and other printed communications, sign up for the FUSRAP mailing list using one of the contact methods above.

Home page - To reach the FUSRAP webpage, visit <http://bit.ly/FUSRAPstl> or <http://www.mvs.usace.army.mil/Missions/Centers-of-Expertise/Formerly-Utilized-Sites-Remedial-Action-Program/>.

Facebook - Visit the USACE, St. Louis District, page at <http://www.facebook.com/teamsaintlouis>.

Upcoming Events

Upcoming Meeting: Open house at Hazelwood Civic Center East Feb. 28 from 6 to 8 p.m. For updates, check <http://bit.ly/FUSRAPstl> or <http://www.mvs.usace.army.mil/Missions/Centers-of-Expertise/Formerly-Utilized-Sites-Remedial-Action-Program/> and <http://www.facebook.com/teamsaintlouis>.

Information Releases: Summer Newsletter – July 2019. FUSRAP issues this newsletter twice a year.

completed removal in fall 2001. Remedial activities on Latty Avenue Vicinity Properties were completed in 2013.

In FY 2018, the St. Louis District conducted groundwater monitoring and long-term management activities at the Latty Site. These activities will continue in 2019. Also in 2019, the St. Louis District will continue to prepare the land use controls to address the remaining contamination beneath the buildings on the Futura property. In December 2018, the St. Louis District began remediation of the approximately 100 cubic yards of contaminated material under the utility poles.

St. Louis Airport Site

In 1946, the MED acquired the 21.7-acre tract of land, now known as SLAPS, to store residues from uranium processing at the Mallinckrodt facility in St. Louis. Residuals from the uranium processing accumulated at SLAPS through 1957. A privately owned company bought the residues for recycling and moved the residues from SLAPS to a site on Latty Avenue. Contamination containing uranium-238, radium-226 and thorium-230 remained on the SLAPS property.

Remedial activities at SLAPS are complete, and the post-remedial action report was released in May 2009. Groundwater monitoring and long-term management activities began in 2010 and are ongoing.

The North County Load-Out facility is located at SLAPS. At the Load-Out, contaminated soil is loaded into specially equipped gondola railcars for out-of-state disposal at a federally permitted site.

St. Louis Airport Site Vicinity Properties

The main SLAPS Vicinity Properties are located in the cities of Hazelwood and Berkeley, Missouri. A 14.2-mile section of Coldwater Creek (CWC) located in North St. Louis County is a SLAPS Vicinity Property. The creek flows adjacent to SLAPS and the Latty Avenue Properties,

north under Highway 270 through both residential and public recreational areas through the communities of Berkeley, Hazelwood, Florissant, Black Jack and unincorporated St. Louis County, and empties into the Missouri River.

The St. Louis District is currently sampling the CWC corridor and adjacent properties north of Highway 270. Uranium, radium and thorium contamination at the SLAPS Vicinity Properties is linked to both SLAPS and the Latty Avenue Properties. Over time, residues migrated from other sites or were deposited as the residues were hauled along transportation routes.

In FY 2018, the St. Louis District completed the cleanup of an additional area at Chez Patee Apartment Complex located in Hazelwood, continued remedial activities at IA-09 (Ballfields) Phase 2B, and completed the pre-design investigation sampling at Pershall Road and Highway I-270 areas and property adjacent to Eva Road. In FY 2019, the St. Louis District will work with the Missouri Department of Transportation and St. Louis County to remediate areas where road improvements will occur in the SLAPS Vicinity Properties.

In FY 2018, the St. Louis District continued sampling CWC and adjacent properties and issued documentation releasing 60 properties for beneficial use. The Remedial Design/Remedial Action Work Plan for IA-09 (Ballfields) Phase 3 and IA-10 was also released. During FY 2018, the district shipped 18,516 cubic yards of contaminated material from the North County SLAPS Vicinity Properties by rail to an off-site, licensed disposal facility. Progress since last newsletter: The district shipped 6,070 cubic yards in the months of July through December.

In 2019, the district will continue remedial activities at Ballfields Phase 2B, initiate remedial activities at Ballfields Phase 3 and remediate Pershall Road and Eva Avenue to support road improvements. In addition,



Contractors perform remedial activities at Ballfields Phase 2B across McDonnell Boulevard from the St. Louis Airport Site (SLAPS).



Remedial activities at the Heintz Steel property on the St. Louis Downtown Site.

the district will continue sampling CWC and adjacent properties. The St. Louis District also plans to issue documentation releasing 40 vicinity properties and ship 18,000 cubic yards of contaminated material to an out-of-state, licensed disposal facility.

St. Louis Downtown Site

The St. Louis District continues remedial activities in accordance with the 1998 Record of Decision (ROD) for the accessible areas at the St. Louis Downtown Site, which includes the Mallinckrodt plant and 42 vicinity properties.

In FY 2018, the St. Louis District removed 12,872 cubic yards of contaminated material and shipped it to an off-site, licensed disposal facility. Progress since last newsletter: The district shipped 1,578 cubic yards in the months of July through December. The district also finalized documents releasing three properties. Additional efforts consisted of continued remedial activities at Destrehan Street/Plant 7W and completion of remediation at the Mallinckrodt former Building 17 area inside Plant 1 and the Heintz Steel property.

The district anticipates completing the cleanup of Destrehan Street, initiating remedial action at the Gunther Salt property and issuing documents to release three additional areas during FY 2019. Additionally, the district will continue to evaluate the inaccessible soils in areas not included in the No Further Action Inaccessible Soils Operable Unit (ISOU) Group 1 ROD.

Read more about it and view the SLDS map on the FUSRAP webpage at <http://www.mvs.usace.army.mil/Missions/Centers-of-Expertise/Formerly-Utilized-Sites-Remedial-Action-Program> by selecting “St. Louis Downtown Sites ISOU Group 1 Proposed Plan” under “Fact Sheets” in the right-hand column.

Educational Information

Q: What is a right of entry?

A: The U.S. Army Corps of Engineers St. Louis District's Formerly Utilized Sites Remedial Action Program (FUSRAP) uses rights of entry to conduct its work.

A right of entry (ROE) is legal authority to do a specified act or series of acts upon land that is not owned or controlled by the government.

An ROE is a legal document that furnishes evidence of the:

- permission granted by the landowner to the government to enter upon the owner's land; and
- obligations, responsibilities and liabilities assumed by the government when entering upon the land.

For FUSRAP, an ROE enables the government to:

- enter upon land to take soil samples or conduct other tests looking for radioactive contamination;
- if contamination is found, clean up and remediate the land;
- after testing and remediation are complete, restore the land to its previous condition; and
- in some cases, provide access to other lands so that they may be tested, remediated and restored.

The terms of an ROE cannot be easily changed or modified because they are set by government regulations.

An ROE is **NOT** an interest or estate in land like a deed or easement; instead, an ROE is only a contractual right.

An ROE does **NOT** have to be notarized; instead, a mere photocopied signature on an ROE is sufficient, and landowners can send signed ROEs to the government via email or fax.

If sampling, remediation and site restoration cannot be completed within the typical two-year ROE term, then successive ROEs may be necessary.

This newsletter is printed on recyclable paper.



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