

# FUSRAP

## FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM ST. LOUIS SITES

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Chief of FUSRAP and Environmental Branch  
U.S. Army Corps of Engineers, St. Louis District  
June 08, 2023



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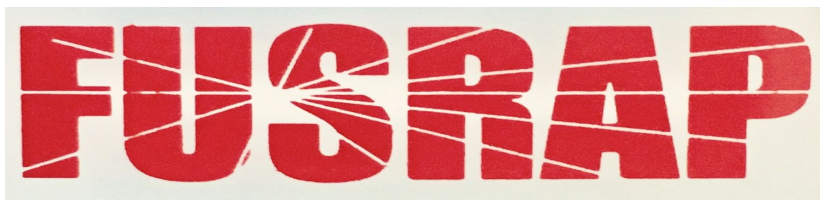


US Army Corps  
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# DISPOSAL OF CONTAMINATED SOIL



Project Site	Amount Shipped (in cubic yards) through FY22	Number of Railcars
Latty Avenue Properties	226,580 CY	2,779
St. Louis Airport Site (SLAPS)	622,617 CY	7,779
SLAPS Vicinity Properties (VPs)	219,651 CY	2,616
St. Louis Downtown Site (SLDS)	336,667 CY	4,164
<b>Total</b>	<b>1,405,515 CY</b>	<b>17,338</b>

Project Site	Planned in FY23
SLAPS VPs	30,000 CY
SLDS	3,500 CY





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# PROPERTIES RELEASED FOR BENEFICIAL (UNLIMITED) USE



## North St. Louis County Sites:

Properties released for beneficial use in 2022:	76
Properties released for beneficial use to date:	439
Properties planned to be released in 2023:	50

## St. Louis Downtown Site:

Properties released in 2022:	1
Properties released to date:	52
Properties planned for 2023:	1





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# COMMUNITY INVOLVEMENT



- The St. Louis FUSRAP team developed a *Community Involvement Plan* to effectively inform & actively engage the community in the FUSRAP cleanup process.
- The team holds a Public Meeting or an Open House with community members to give them opportunities to ask questions and remain informed about the status of projects in the community.



**U.S. Army Corps of Engineers  
Formerly Utilized Sites Remedial Action Program**

You're invited to the

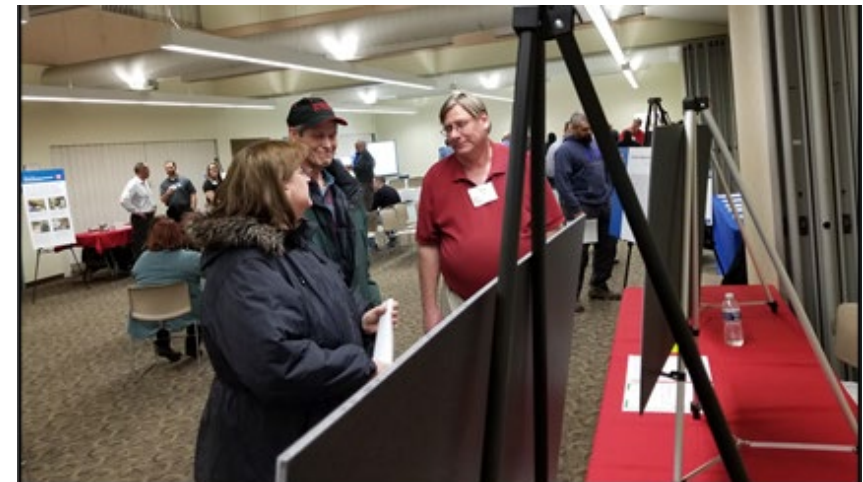
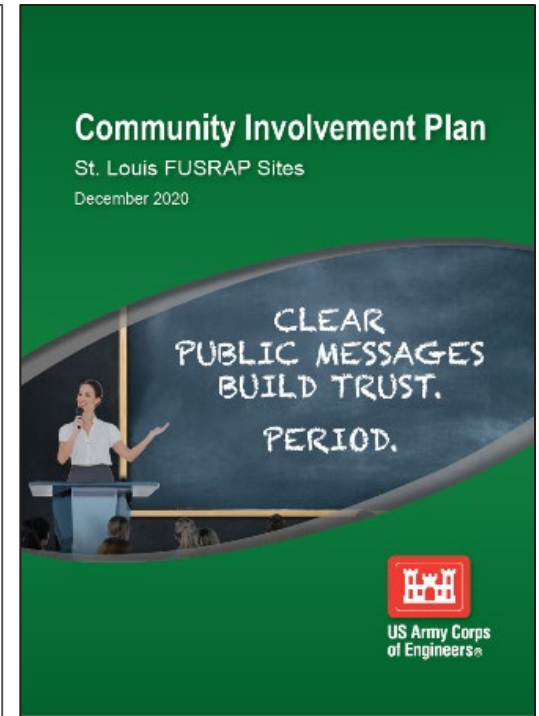
**St. Louis Sites  
FUSRAP Open House**

An update on the North St. Louis County Sites  
(including efforts at the Jana Elementary School property)  
and the St. Louis Downtown Site

*Thursday, June 8, from 6 to 8 p.m.*

<b>Where:</b>	<b>Format:</b>
Florissant Municipal Court 4575 Washington St. Florissant, MO 63033	5:30 p.m. Start arriving 6 to 7 p.m. Presentation and questions 7 to 8 p.m. Open House

Visit the FUSRAP webpage to learn about sampling results at Jana Elementary School:  
<https://www.mvs.usace.army.mil/Missions/FUSRAP>  
or <https://go.usa.gov/xANRb>





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# COMMUNITY INVOLVEMENT



➤ The FUSRAP team maintains a presence on social media -- the St. Louis District Facebook and Twitter pages.

The screenshot shows a Twitter profile for 'St. Louis District' with 1,598 tweets. Two tweets are visible: one from June 1st about an FUSRAP Open House and another from June 1st about Great Outdoors Month. A search overlay for 'Environment' is active, showing results for #EnvironmentDay, #EnvironmentDay2023, #environmentalday, UN Environment Programme (@UNEP), and Yale Environment 360 (@YaleE360).

The Facebook post is titled 'PROJECT SPOTLIGHT: FUSRAP' and dated January 7. It describes the Formerly Utilized Sites Remedial Action Program (FUSRAP) as an environmental remediation program. The text lists five active sites: St. Louis Downtown Site (SLDS), North St. Louis County (NORCO) Sites, St. Louis Airport Site (SLAPS), St. Louis Airport Site Vicinity Properties (SLAPS VPs) and Latty Avenue Properties, and Iowa Army Ammunition Plant (IAAAP). It includes links for more information and a collage of four photos showing remediation work, including workers at a table, an excavator, and a pile of debris.





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# COMMUNITY INVOLVEMENT



- The FUSRAP team coordinates with property owners for right of entry and estimated time of sampling.
- The team uses postcards to notify residents that it will be sampling on their properties and letters to notify them of property status.
- As part of the five-year review process, the team conducts interviews to gauge community concerns and preferences on cleanup strategies and actions.
- A unique email address is available for the public to contact the St. Louis FUSRAP team directly.

U.S. Army Corps of Engineers, St. Louis District

Dear Neighbors,

The U.S. Army Corps of Engineers (USACE) St. Louis District is sampling in areas near Coldwater Creek as part of the Formerly Utilized Sites Remedial Action Program (FUSRAP). Sampling locations were selected at regular intervals within Coldwater Creek and its floodplain. Access to your property will be required to perform activities related to sampling or surveys in these areas. Thank you for signing an access agreement to permit access to your property.

So you can be aware of our presence, when the sampling crew requires access to your property, they will attempt to notify you, by knocking on your door, when they arrive at your property. The personnel will identify themselves as either USACE employees or USACE contractors and will show you proper identification. It should be noted that all activities will occur between the hours of 7 am and 5 pm. The crew will not need to enter your home.

If a sample location(s) falls on your property, Missouri One Call will be contacted to locate underground utilities for which they have responsibility. Please contact us if you have private underground utilities, e.g., piping to a pool, electric line to a detached building, electric dog fence, or sprinklers. Soon after the underground utilities have been located, a sampling crew will arrive to perform the sampling activities.



After survey or sampling activities are performed on your property, the crew will leave a note card containing contact information. If you happen to be away from your home during the survey or sampling activities, the note card will be attached to your door.

If you have any questions or concerns, please contact the St. Louis FUSRAP Office at 314-260-3905 or email to: [STLFUSRAP@usace.army.mil](mailto:STLFUSRAP@usace.army.mil).

Thank you again,  
U.S. Army Corps of Engineers, St. Louis District



U.S. Army Corps of Engineers, St. Louis District

Dear Neighbor,

The U.S. Army Corps of Engineers (USACE) St. Louis District accessed your property to perform activities associated with the sampling of Coldwater Creek. The sampling is part of the Formerly Utilized Sites Remedial Action Program (FUSRAP) to further characterize Coldwater Creek and associated floodplain properties.

Thank you for signing an access agreement allowing these activities to take place. If you have any questions or concerns, please contact the St. Louis FUSRAP Office at 314-260-3905 or email to: [STLFUSRAP@usace.army.mil](mailto:STLFUSRAP@usace.army.mil).

Thank you again,  
U.S. Army Corps of Engineers,  
St. Louis District

Date:  
Time:  
Initials:



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# COMMUNITY INVOLVEMENT



- The MVS FUSRAP webpage allows public access to documents, technical and legal information, and program / office contacts.
- FUSRAP posts periodic updates to the new, online version of its newsletter. An archive of the digital version of its hard-copy newsletter is also available on the FUSRAP website.
- Fact Sheets are developed to provide background information and to explain key points regarding the different aspects of the remedial process.

An official website of the United States government. Here's how you know.

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US Army Corps of Engineers St. Louis District Website

Missions / FUSRAP / eNewsletters

**Welcome to the eNewsletters subpage**

NEW! Site Updates appear on this page to keep you updated on the progress being made at the various FUSRAP sites.

**Site Updates (as of March 31)**

Iowa site nears completion of active remediation  
Downtown site sets sights on 2029  
North St. Louis County site: Team continues to investigate Coldwater Creek  
North St. Louis County site: FUSRAP partners with MOD-OT during I-270 North Project  
North St. Louis County site: Team working in last phase of former Ballfields

**FUSRAP Open House set for June 8**

**U.S. Army Corps of Engineers  
Formerly Utilized Sites Remedial Action Program**

You're invited to the  
**St. Louis Sites  
FUSRAP Open House**

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**About FUSRAP**

FUSRAP Glossary  
FUSRAP HQ  
FUSRAP News  
Jana Update  
FUSRAP Electronic Reading Room

**More about FUSRAP**

FUSRAP Mission  
Contact Us

**Additional Links**

Centers of Expertise  
ATSDR Coldwater Creek ...  
DOE Office of Legacy Management ...  
EPA ...  
Iowa Department of Natural Resources  
MDNR ...

**FUSRAP**

**FUSRAP eNewsletters (See Site Updates on this page.)**

- No items.

**Archives of FUSRAP eNewsletters and Newsletters**

Click here to search for eNewsletters and Newsletters.

**US Army Corps of Engineers**  
St. Louis District

**St. Louis Sites Fact Sheet**

**COLDWATER CREEK SAMPLING TIMELINE**

*"Gateway to Excellence"*

Cleanup activities at the St. Louis Sites are part of a nationwide U.S. Army Corps of Engineers (USACE) environmental program known as the Formerly Utilized Sites Remedial Action Program (FUSRAP).

These sites contain soils contaminated with uranium, thorium, and radium as a result of activities associated with the Manhattan Engineer District/Atomic Energy Commission (MED/AEC) during the nation's early atomic program in the 1940s and 1950s.

Surface water (caused by rain or snow) and flooding events transported contaminated material from the St. Louis Airport Site (SLAPS), Latty Avenue Properties and haul roads into Coldwater Creek (CWC). Once contamination reached CWC, creek flow moved contaminated material downstream.

USACE first eliminated the sources of contamination at SLAPS and Latty. USACE continues to investigate and sample the CWC corridor and the adjacent properties within the creek's 10-year floodplain. The FUSRAP team monitors the creek water and sediment twice a year in 11 locations. Evaluation of monitoring data confirms that contamination from current FUSRAP activities is not impacting creek water or sediment.

To learn more about FUSRAP, visit the FUSRAP webpage at <https://go.usa.gov/xANRb> or [www.mvs.usace.army.mil/Missions/FUSRAP](http://www.mvs.usace.army.mil/Missions/FUSRAP). Contact the FUSRAP Area Office at 314-260-3905 or by email at [STLFUSRAP@usace.army.mil](mailto:STLFUSRAP@usace.army.mil).

The Coldwater Creek (CWC) corridor, which starts at Banshee Road and continues to the Missouri River for 14.2 miles, is part of the St. Louis Airport Site (SLAPS) Vicinity Properties. CWC is surrounded by recreational, residential, commercial, and industrial areas. USACE performs year-round sampling and analysis of sediment and soil in and around CWC and within its 10-year floodplain. USACE employs approximately 70 people to plan and execute the sampling program downstream in 1-mile increments. Each mile's surrounding floodplain ranges from 30 to 150 acres. Investigating this large area takes time because of the logistical challenges and technical requirements.

**DEVELOP A WORK PLAN**

The FUSRAP team first reviews topographic maps, historical aerial photos, channel sections, tributaries, drainages, depositional areas, low-lying areas, fill areas, structures, utilities, sewers, and erosion control features. Subject matter experts then use the information gathered to develop a sampling Work Plan (WP), which identifies areas that require investigation and sampling. The WP also identifies potential hazards and establishes protective clothing and safety requirements for workers. Field staff must have medical exams, vaccines, and yearly safety training. They are also trained in health and safety, transport of environmental samples, and equipment operation.

Weather conditions sometimes require additional safety and health precautions to protect workers. Conditions at the sites, like the ice and snow here, further complicate the work and delay the teams.

Workers in safety gear are shown in a field setting, likely conducting sampling or investigation activities.

**US Army Corps of Engineers**  
St. Louis District

**St. Louis Sites Fact Sheet**

**ENVIRONMENTAL MONITORING PROGRAM**

*"Gateway to Excellence"*

Cleanup activities at the St. Louis Sites are part of a nationwide U.S. Army Corps of Engineers (USACE) environmental program known as the Formerly Utilized Sites Remedial Action Program (FUSRAP). FUSRAP in St. Louis includes the North County Sites and the St. Louis Downtown Sites. These sites contain soils contaminated with radium, thorium, and uranium as a result of activities associated with the Manhattan Engineer District/Atomic Energy Commission (MED/AEC) during the nation's 1940s and 1950s atomic program.

USACE uses scientific knowledge and skilled investigators to identify places at and near these sites that may need cleanup. The work requires deliberate sample site selection and then precise laboratory analysis in order to prioritize cleanup actions.

USACE is responsible for the Environmental Monitoring Program (EMP) for the St. Louis Sites, including St. Louis Downtown Sites (SLDS) and North County (NC) Sites. The EMP includes year-round monitoring of various media including surface water and sediment in and along Coldwater Creek, groundwater, stormwater, excavation water, and laboratory discharge water. FUSRAP scientists follow plans, guidelines, and regulations to collect samples to monitor site conditions.

The EMP follows the Environmental Monitoring Implementation Plan for each calendar year (EMICY). Separate EMICY documents are annually developed for SLDS and NC Sites. The objectives change every year based on the status of removal actions, changes in monitoring well networks, regulatory concerns, and prior year contaminant trends. EMICY documents identify sampling locations, frequencies, parameters, and criteria for evaluation of the resultant data. The activities outlined in the EMICYS demonstrate compliance with regulations and the requirements of state or local permits.

To conduct the monitoring described in the EMICYS, USACE samples various media at the SLDS and NC Sites and documents the findings in the annual Environmental Monitoring and Data Analysis Reports (EMDARs). The EMDARs provide the laboratory analytical results received during the previous year. The EMDARs include data and evaluation of indoor and outdoor air, stormwater, excavation-water, laboratory discharge, groundwater, and Coldwater Creek sediment and surface-water monitoring. The EMDARs demonstrate compliance with the respective ROD goals, requirements, and permitted guidelines. The public can read the current EMICYS and EMDARs from 2010 onward at [www.usace.army.mil/Missions/FUSRAP/](http://www.usace.army.mil/Missions/FUSRAP/).

**COLDWATER CREEK SURFACE WATER AND SEDIMENT MONITORING AND SAMPLING**

As part of the EMP, during the spring and fall of every year, USACE environmental scientists collect surface water and sediment samples from eight stations along Coldwater Creek.

Surface water collected in Coldwater Creek shows that pollution prevention activities are working to prevent degradation of the creek.

Workers in safety gear are shown in a field setting, likely conducting monitoring and sampling activities.

To learn more about FUSRAP, contact the FUSRAP Project Office at 314-260-3905 or, via email, at [STLFUSRAP@usace.army.mil](mailto:STLFUSRAP@usace.army.mil).





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# CONTACT US



## ➤ Website

FUSRAP Website <https://www.mvs.usace.army.mil/Missions/FUSRAP/>

St. Louis District Website <https://www.mvs.usace.army.mil/>

## ➤ Email [STLFUSRAP@usace.army.mil](mailto:STLFUSRAP@usace.army.mil)

## ➤ General Information

FUSRAP Office 314-260-3905

Public Affairs Office 314-331-8000

## ➤ Administrative Record

Documents are available for viewing at:

Electronic Reading Room <https://www.mvs.usace.army.mil/Missions/FUSRAP/Reading-Room/>

FUSRAP Office, 114 James S. McDonnell Blvd., Hazelwood, MO 63042

Hours: Weekdays from 8 a.m. to 3 p.m. – by appointment

St. Louis Public Library, 1301 Olive St., St. Louis, MO 63103

314-241-2288 – Ask for the History Room (by appointment only)