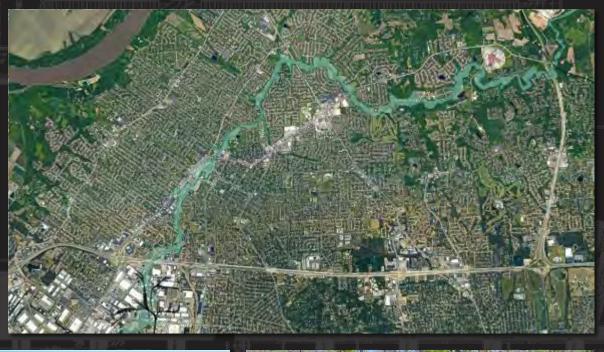
OPEN HOUSE ★ ST. LOUIS FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM ★ JUNE 12, 2024







US Army Corps of Engineers_®







AGENDA



- Introductions and Ground Rules
- Opening comments:
 - Brig. Gen. Kimberly Peeples, Commanding General, Mississippi Valley Division
 - Col. Andy Pannier, Commander and District Engineer, St. Louis District
- FUSRAP Program Overview
- Site Updates:
 - St. Louis Downtown Site (SLDS)
 - North St. Louis County Site (SLAPS, Latty Properties, SLAPS VPs)
- Current / Future Work
- Signage
- Questions and Comments
- Open House

OPENING REMARKS





Brig. Gen. Kimberly Peeples
Commander
Mississippi Valley District



Col. Andy J. Pannier
Commander & District Engineer
St. Louis District

FUSRAP PROGRAM OVERVIEW



Mission: Protect Human Health and the Environment by identifying and remediating radiological contamination generated by our nation's early atomic program.

<u>Execution</u>: Transferred from Dept. of Energy to the U.S. Army Corps of Engineers in Oct 1997 for remediation. DOE has long-term stewardship.

Guidance:

- Legally required to follow the Comprehensive Environmental Response,
 Compensation, and Liability Act (CERCLA)
- Follow the Record of Decision (ROD) which explains the selected remedy

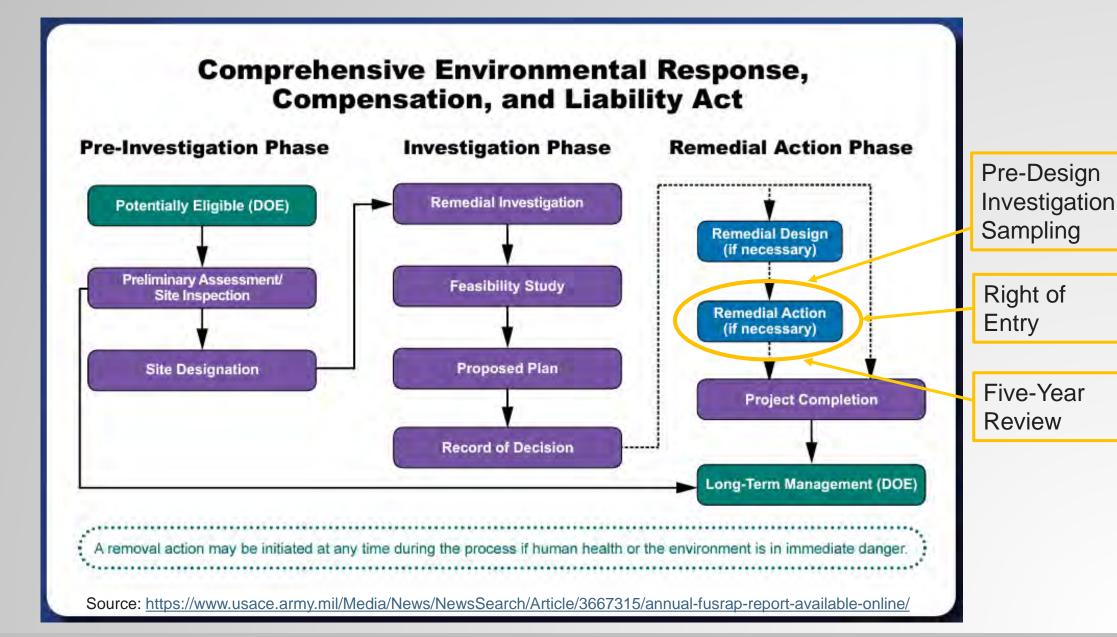
Funding:

- Annually by Congress through public law
- Covers all Mission Sites
- Civil Works Budget Website: https://www.usace.army.mil/missions/civil-works/budget/



CERCLA OVERVIEW

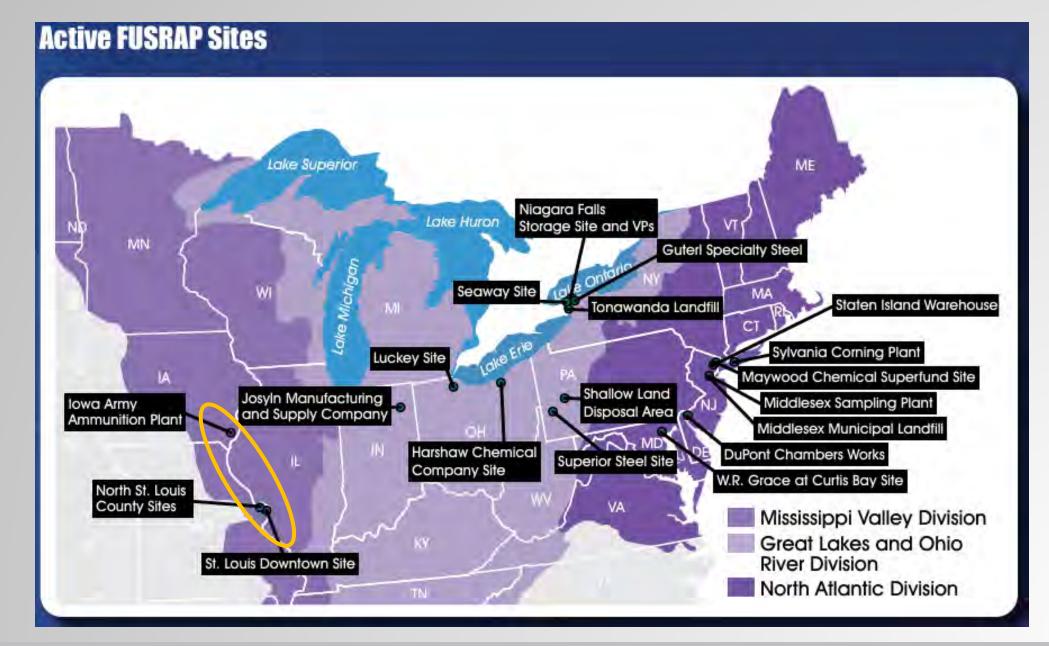






FUSRAP NATIONAL PROGRAM



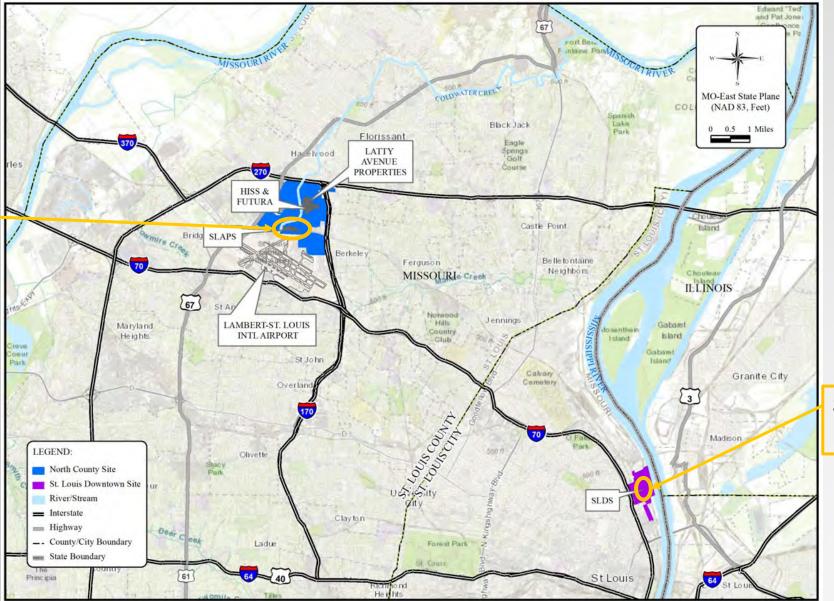




FUSRAP ST LOUIS SITES HISTORY



SLAPS Storage 1946 - 1966



SLDS Processing 1942 - 1957



ST. LOUIS DOWNTOWN SITE (SLDS)



- SLDS is about 210 acres of land
 - 45 acres chemical manufacturing complex (Mallinckrodt).
 - 165 acres of adjacent industrial and commercial properties.
- Primary contaminants of concern (COCs)
 - Uranium, thorium, radium, arsenic, and cadmium
- SLDS is divided into 2 operable units or OU:
 - Accessible Soil and Groundwater OU -1998 Record of Decision (ROD)
 - Inaccessible Soil OU







SLDS Site Boundary

General Area of Mallinckrodt Plants/Property

Adjacent Properties





ST. LOUIS DOWNTOWN SITE (SLDS)

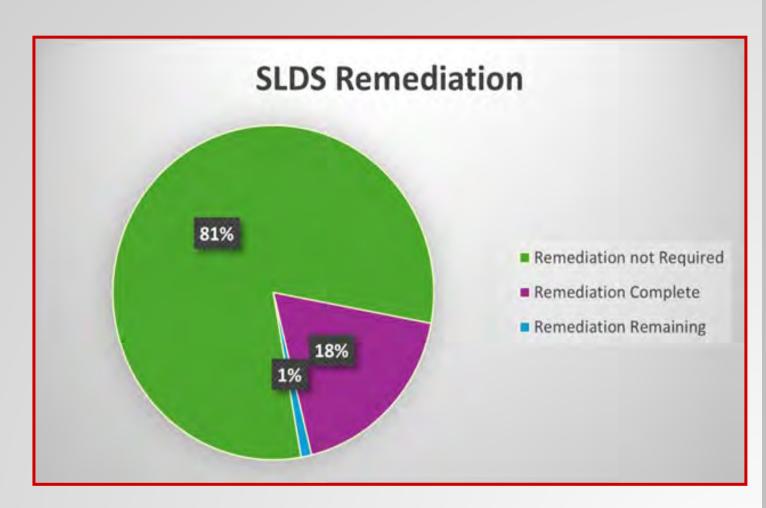


Since 1997

- 341,485 cubic yards, that is about 4,114 rail cars
- 53 properties/areas released for beneficial use

Since last year public meeting

- 5,399 cubic yards (~65 rail cars)
- Areas completed:
 - Mallinckrodt Plant 2 North
 - Mallinckrodt Plant 1 Tank Farm
 - City Property (Bike Path)





SLDS ENGINEERING CHALLENGES





Sampling after bldg. demo



Extensive use of sheet pile







Remediation in small spaces

FY25 AND BEYOND WORK AHEAD



- ➤ Continue evaluating areas with soils previously considered inaccessible to determine the presence and level of contamination
- > Remediate areas as required in our Record of Decision
- ➤ Continue groundwater monitoring
- >Provide utility support in work activities to ensure the safety of utility personnel
- > Remedy is expected to be complete in FY29
- ➤ Transfer to Dept of Energy Legacy Management



NORTH ST. LOUIS COUNTY SITES – BIG EFFORT



SLAPS

- 7500 railcars of soil shipped
- Mission complete 2007
- Latty Avenue Properties
 - 2700 railcars of soil shipped
 - Mission complete 2013
- SLAPS Vicinity Properties
 - 3000 railcars of soil shipped
 - Mission ongoing
 - 2200 acres, includes 14 miles of Coldwater Creek





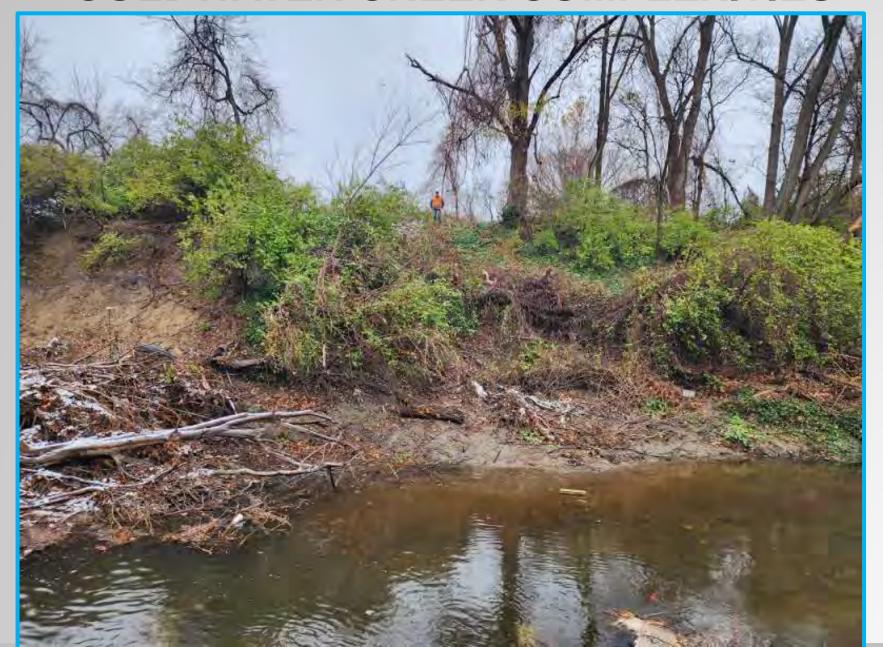
REST OF NORTH ST. LOUIS COUNTY VICINITY PROPERTIES















U.S. ARMY









U.S. ARMY





















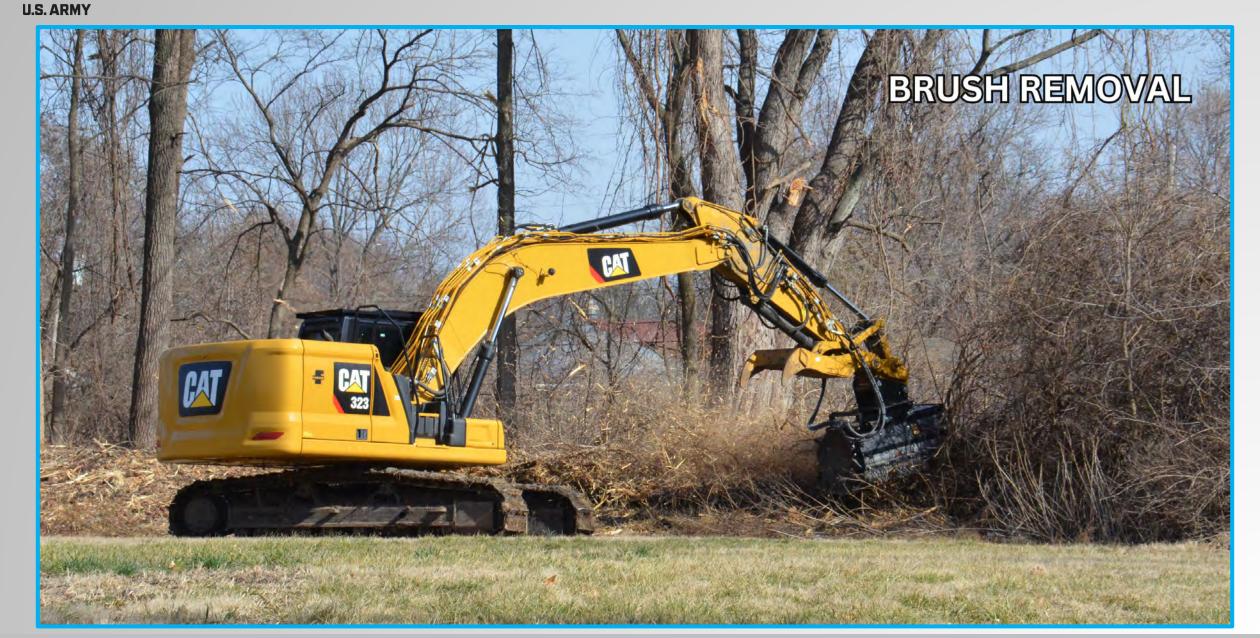










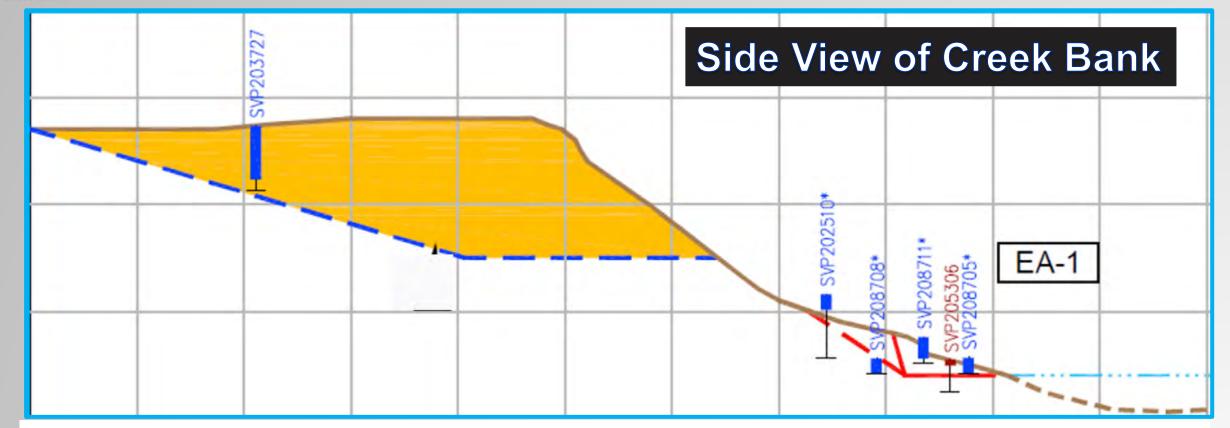












- Uncontaminated Soil Samples Uncontaminated Soil to Remove
- Contaminated Soil Sample
 Dig Depth for Contaminated Soil
- Bank Slope and Creek Bottom CWC Water Level











































PROGRESS IN THE INDUSTRIAL PORTION







CURRENT WORK





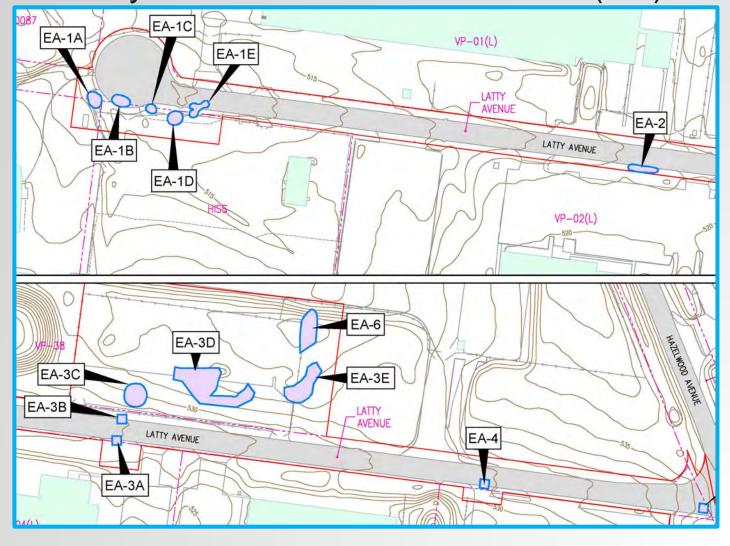


NEXT YEAR WORK



Excavation Near Cades Cove

Latty Avenue Excavation Areas (EA)





COLDWATER CREEK INFORMATIONAL SIGNS



 Requesting local governments to allow us to post these signs in parks with public access to CWC

Coldwater Creek Floodplain Investigation

Formerly Utilized Sites Remedial Action Program (FUSRAP)

What is FUSRAP?

The Formerly Utilized Sites Remedial Action Program is an environmental remediation program

The FUSRAP team devotes itself to finding and remediating radiological contamination generated by activities of the Manhattan Engineer District and the Atomic Energy Commission (MED/AEC) during development of the atomic weapons in the 1940s and 1950s.

- Areas of low-level radioactive contamination may exist that do not pose a health risk if left undisturbed
- Visit the FUSRAP webpage to learn more about site activities in your area https://www.mvs.usace.army.mil/Missions/FUSRAP
- Contact FUSRAP directly if you plan to dig or have questions about property improvements near the creek



Contact Us
General Information
FUSRAP Area Office
314-260-3905
STLFUSRAP@usace.army.mil

Media Inquiries
Public Affairs Office
314-331-8000



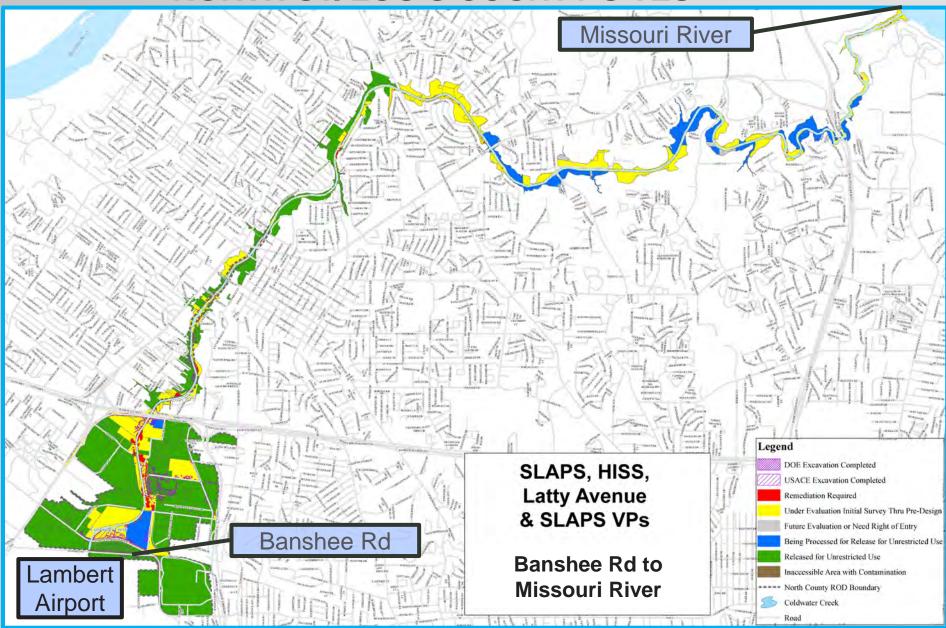






NORTH ST. LOUIS COUNTY SITES





QUESTIONS / COMMENTS



- Please provide your comment cards to a USACE representative. They will be read by Mr. Klein and the appropriate subject matter expert(s) will answer them
- We may have duplicate questions / comments
- You may send additional comments / questions to stlfusrap@usace.army.mil

CONTACT US



- Website
 - FUSRAP https://www.mvs.usace.army.mil/Missions/FUSRAP/
 St. Louis District https://www.mvs.usace.army.mil/
- Email STLFUSRAP@usace.army.mil
- General Information

FUSRAP Office 314-260-3905 Public Affairs Office 314-331-8000

Administrative Record

Electronic Reading Room

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

FUSRAP Office, 114 James S. McDonnell Blvd., Hazelwood, MO Hours: Weekdays from 8 a.m. to 3 p.m. – by appointment