



## Background

Through the Formerly Utilized Sites Remedial Action Program (FUSRAP), the U.S. Army Corps of Engineers (USACE) is identifying, investigating, cleaning up or controlling sites throughout the United States that were part of the nation's early atomic weapons and energy programs during the 1940s, 1950s and 1960s. Generally sites that became contaminated during the early atomic energy program were cleaned up and released for use under the cleanup guidelines in effect at that time, which were not as strict as today's revised standards. Thus, low-level residual radioactive materials remain at many of these sites.



In early 1966 ore residues and uranium and radium bearing process wastes that had been stored at the St Louis Airport Site (SLAPS) were moved to the Hazelwood Interim Storage Site (HISS) on Latty Avenue. These wastes had been generated at the Mallinckrodt plant in St Louis from 1942 through the late 1950s under contracts with Manhattan Engineer District/ Atomic Energy Commission (MED/AEC). Due to private and public projects requiring decontamination, contaminated soils were relocated to several adjacent vicinity properties until a 1984 radiological survey indicated contamination in excess of federal guidelines. In 1989 the HISS properties were added to the National Priorities List, requiring cleanup to proceed under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) guidelines. Latty cleanup was originally led by AEC and later the Department of Energy until a 1997 Congressional action transferred the execution of FUSRAP to the USACE under the Energy and Water Development Appropriations Act.

The Latty Avenue properties are 1.2 km northeast of the SLAPS located in the cities of Hazelwood and Berkeley Missouri, and consist of vicinity properties 1L-6L, 40A, 10k530087, the HISS and Futura Coatings Company. The majority of Vicinity Properties are located along Latty Avenue.

## Project Description

In 1998, the USACE prepared an Engineering Evaluation/Cost Analysis (EE/CAs) to build a rail spur and remove the HISS and adjacent piles. In 1999, the USACE completed construction of the HISS/Latty Avenue rail spur to remove contaminated materials from the HISS piles and impacted soil from three adjacent Latty Avenue properties. The USACE chose to expedite the removal of the HISS piles to protect human health and the environment.

The USACE started removal of the HISS piles in the spring 2000. Removal started with the East Piles 1 & 2 located at VP-2L adjacent to HISS. Work continued on the removal of the piles located on the HISS property. Contaminated materials from the Spoil Piles A & B; Supplemental Pile and then the Main Pile were removed. Removal of the HISS piles was completed in the fall 2001. Over 52,000 cubic yards of contaminated material was removed and transported by covered gondola cars for disposal at an out-of-state licensed/properly permitted facility.

The selected remedy for soils, sediments and permanent structures for the North County sites was completed in September 2005 when the Record of Decision (ROD) was finalized. Remedial activities to remove in situ contaminated soils at the HISS/Futura and Latty VPs were initiated in 2007 and completed in 2013. The HISS rail spur was removed in 2011. The USACE removed 97,559 cubic yards of contaminated material from the sites. A Post-Remedial Action Report/Final Status Survey Evaluation (PRAR/FSSE) was issued for the HISS and Futura sites, VPIL, VP2L and VPs 3L - 6L.

Inaccessible soils are located under permanent structures such as active roads, railways, or buildings where excavation is considered impractical under current conditions. Inaccessible contaminated soils still exists under the Futura Buildings. Potential risks from contaminants in these inaccessible areas will be managed by imposing appropriate use restrictions through institutional controls.

### **Ongoing Work**

The USACE completed an Institutional Controls Plan to manage the inaccessible contamination located under the Futura Buildings. Institutional Controls will be imposed at the Futura Buildings to protect the public and worker health and the environment. Current activities also include site monitoring.

More information about the work at the Latty Avenue Properties can be found at:  
<https://www.mvs.usace.army.mil/Missions/FUSRAP/>

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