

Formerly Utilized Sites Remedial Action Program

Status Update (North St. Louis County)

Public Meeting

June 29, 2016




US Army Corps of Engineers
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05/19/2016

Agenda

- 
- Programmatic Overview
 - Mission Sites & Goals
 - Status Coldwater Creek ~ McDonnell to I-270
 - Status Coldwater Creek ~ I-270 to St. Denis Bridge
 - Property Prioritization Factors
 - Right of Entry Agreements
 - Challenges



Programmatic Overview

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

- Execution: 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**) /National Contingency Plan (NCP) Process
 - ▶ Follow the **Record of Decision** which explains the selected remedy
- Funding:
 - ▶ Annually by Congress thru public law
 - ▶ Covers all Mission Sites



Mission Sites

North St. Louis County Sites

- St. Louis Airport Site (SLAPS)
- SLAPS Vicinity Properties (SLAPS VPs)
 - Includes Coldwater Creek – Banshee Rd. to Missouri R.
- Latty Avenue Properties (Latty)
 - Hazelwood Interim Storage Site (HISS)/ Futura
 - Latty Avenue Vicinity Properties

St. Louis Downtown Site (SLDS)

Iowa Army Ammunition Plant



Removal Goals for FY16

(October 2015 – September 2016)

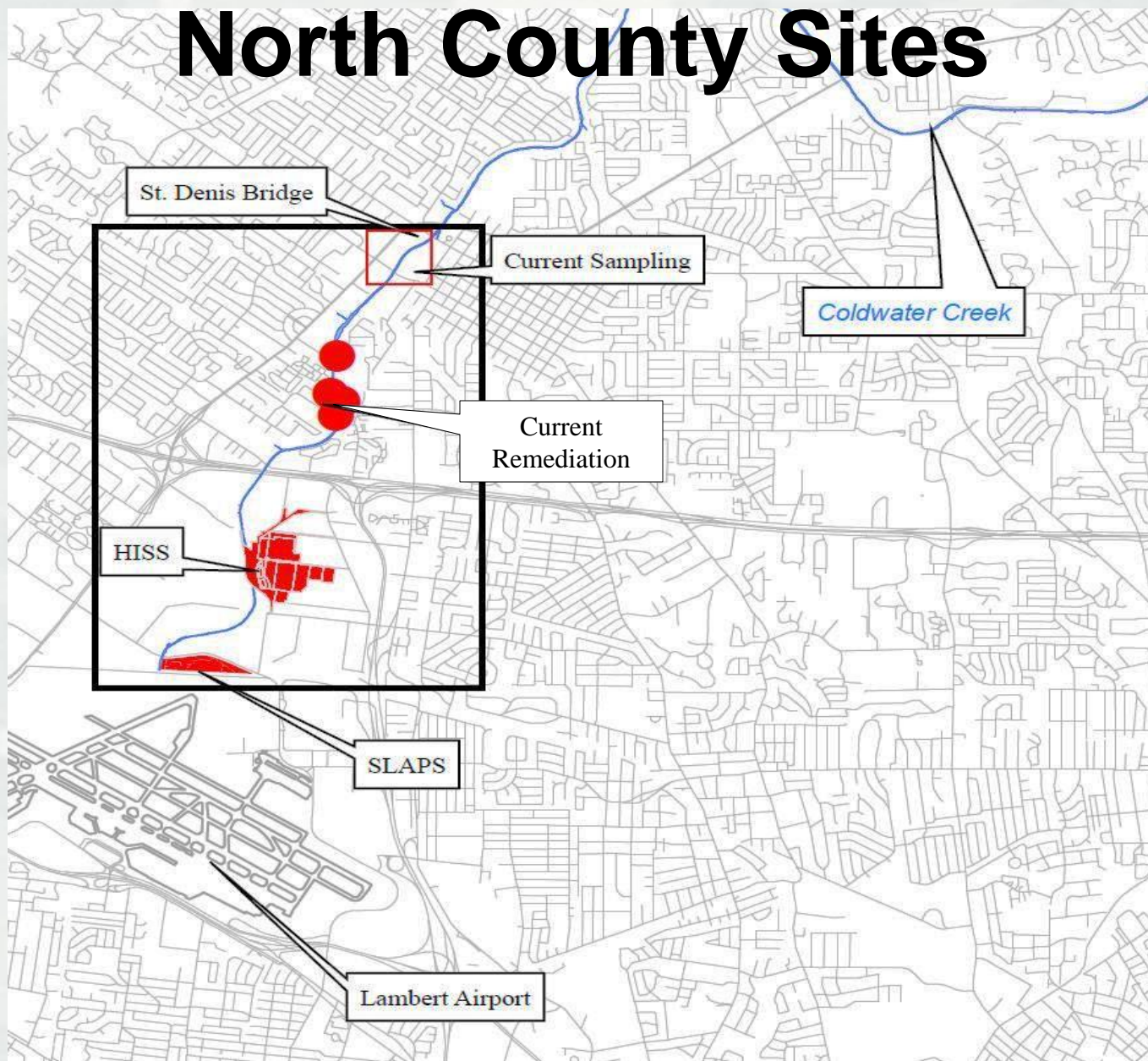
- North County
 - ▶ St. Louis Airport Site (SLAPS) (Complete) 0 CY
 - ▶ SLAPS VPs (incl. Coldwater Creek) 10,200 CY
 - ▶ Latty Avenue Properties (Complete) 0 CY
 - St. Louis Downtown Sites (SLDS) 19,000 CY
 - Iowa Army Ammunition Plant 1,300 CY
-

Total 30,500 CY

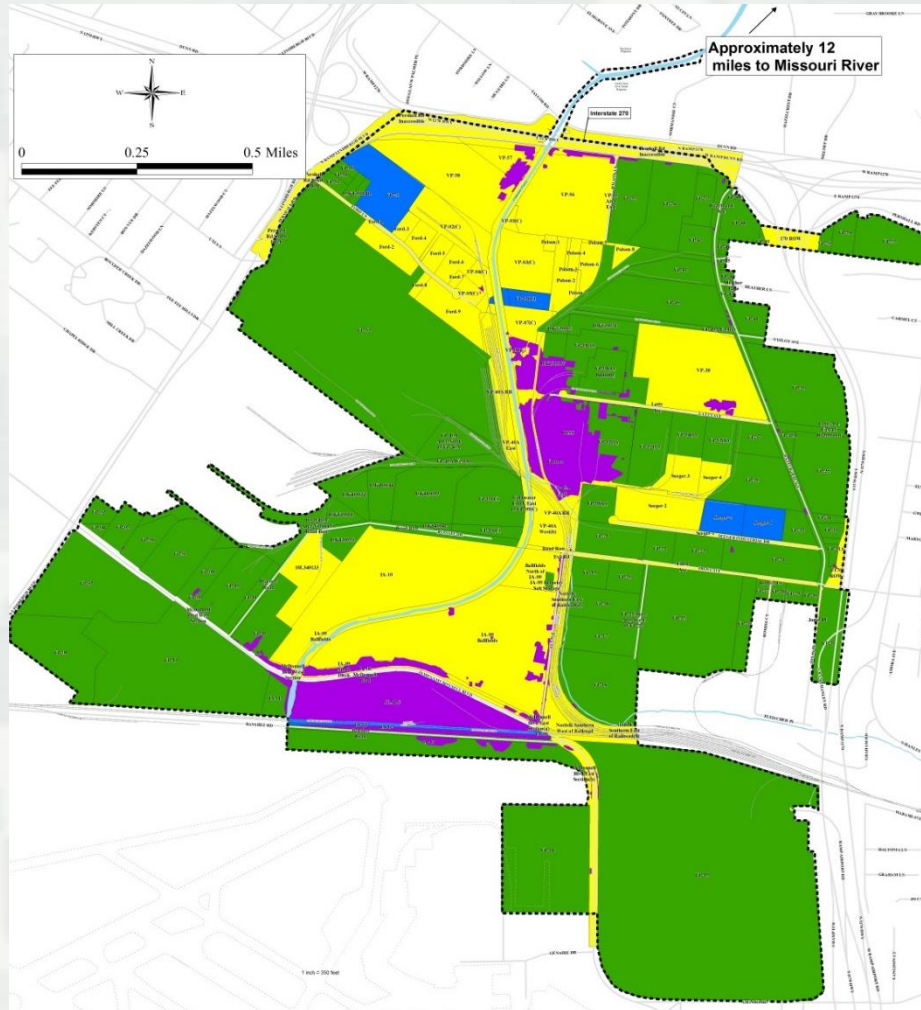
30,500 CY ~ 340 RR Cars



North County Sites











Coldwater Creek ~ McDonnell to I-270



**SLAPS, HISS, Latty Avenue,
& SLAPS VPs
Industrial, Commercial**

Legend

-  Initial Evaluation Complete; Determining Need for Remediation
-  Property Complete; not yet Returned for Beneficial Use
-  Property Complete: Returned for Beneficial Use
-  Remediation Complete
-  North County ROD Boundary
-  Road
-  Airport
-  Coldwater Creek/Tributary



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Coldwater Creek Sampling

McDonnell Blvd. to I-270

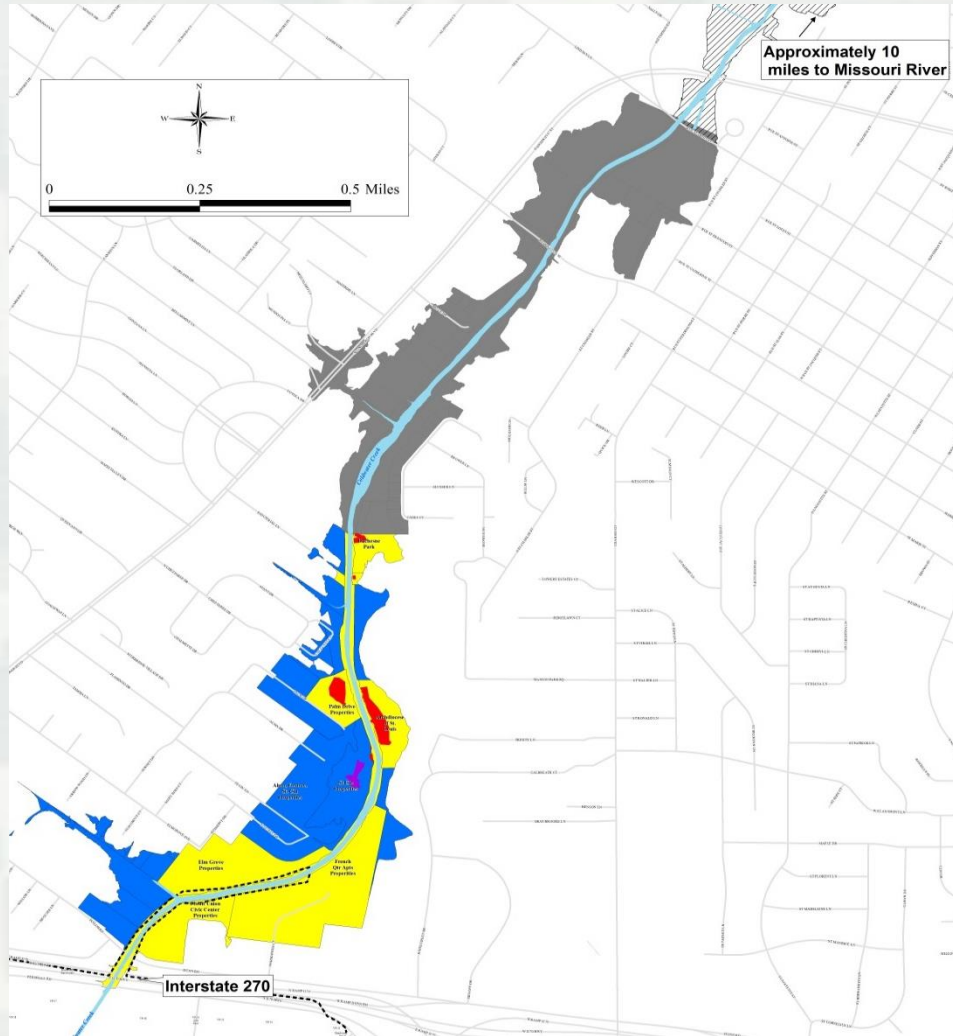
- Sampling has been performed on all properties
- Additional sampling for some sites possibly needing future remediation
 - ▶ 11,890 total samples to date
 - ▶ 3,742 samples in Coldwater Creek Corridor
 - ▶ 8,148 samples in adjacent Vicinity Properties
- ▶ 1,195 total samples with SOR's>1
- ▶ 378 samples in Coldwater Creek Corridor with SOR's>1
- ▶ 820 samples in adjacent Vicinity Properties with SOR's>1



SOR: “Sum of Ratios” ; SOR values greater than 1.0 typically result in additional investigation; A calculation to express data from multiple contaminants (and their cleanup goals) into one number for evaluation purposes.












Coldwater Creek ~ I-270 to St. Denis Bridge



SLAPS VPs
Residential, Recreational,
Public Use, Commercial

LEGEND:

Status

-  Under Evaluation; 10-Year Floodplain
-  Initial Evaluation Complete; Determining Need for Remediation
-  Property Complete; not yet Returned for Beneficial Use
-  Property Complete: Returned for Beneficial Use
-  Remediation Required
-  Remediation Complete
-  North County ROD Boundary
-  Coldwater Creek/Tributary
-  Planned Evaluation; 10-Year Floodplain

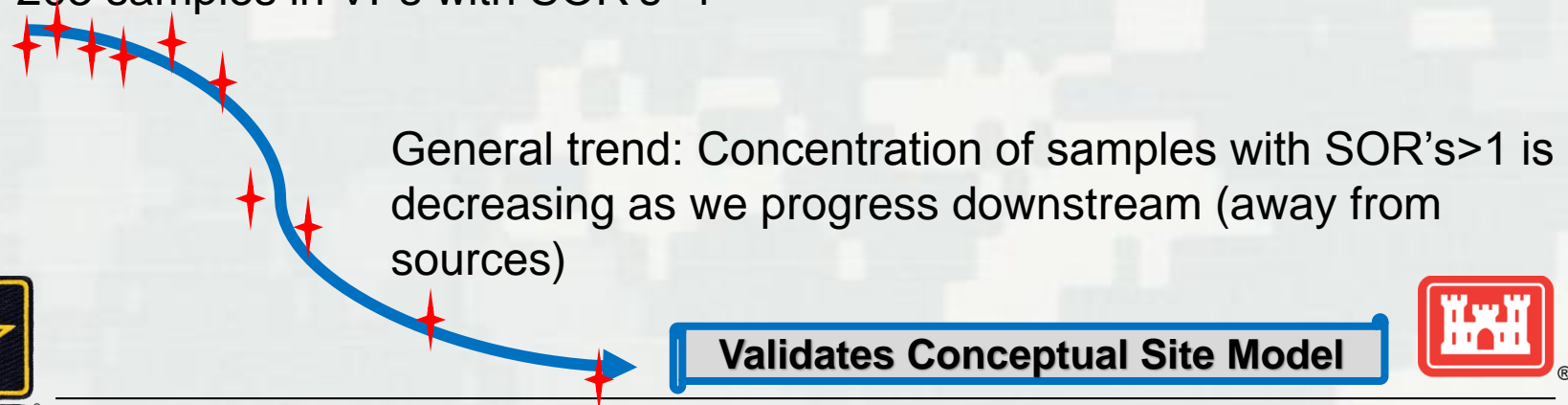


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Coldwater Creek Sampling

I-270 to St. Denis Bridge

- Initial sampling essentially complete
- Additional sampling at limited sites possibly needing future remediation
 - ▶ 6,677 total samples to date
 - ▶ 3,476 samples in Coldwater Creek Corridor
 - ▶ 3,201 samples in Vicinity Properties
 - ▶ 554 total samples with SOR's > 1
 - ▶ 351 samples in CWC with SOR's > 1
 - ▶ 203 samples in VPs with SOR's > 1



Remediation Since February 2016

■ St. Cin Park Completed & Re-Opened

- ▶ Approx. 3,400 CY of soil removed
- ▶ Turf established
- ▶ Basketball court restored
- ▶ Paving of parking lot and rec trail in near future



■ Duchesne Park

- ▶ Initiated in March 2016
- ▶ Over 1,900 CY of soil removed to date
- ▶ Anticipate completion August 2016

■ Next Sites (decide at Duchesne completion)

- ▶ Palm Drive Properties
- ▶ Archdiocese of St. Louis
- ▶ Ballfields



**75% of the soil removal scheduled
for North County has been
accomplished; on schedule**



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Property Prioritization Factors

- **Properties with greatest potential human exposure**
 - ▶ Current land use
 - ▶ Population densities
- **Preventing recontamination after remediation**
- **Cost-effectiveness**
 - ▶ Right of entry agreements
 - ▶ Adequate characterization data
- **Ease of remediation (at time of remedial design)**
- **Projected cost vs. funding level**
- **Other factors**
 - ▶ Site readiness
 - ▶ Time of year; weather
 - ▶ Proximity to sites under remediation



Right of Entry Agreements (Cost-Effectiveness)

How does the right of entry effect cost?

- Several phases require property access
 - ✓ Pre-investigation activities
 - ✓ Sampling
 - ✓ Design
 - ✓ Remediation
 - ✓ Post-remediation
- Each phase can take several months
- Multiple properties compound issues



**Timeliness
Required**

TIME IS



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Summary Challenges

- FY17 Funding (President's Budget)
 - ▶ Total National Budget \$103M
 - ▶ Total Regional Budget \$24.55M
 - ▶ SLAPS VPs (incl. CWC) \$6M
- Sampling, Analysis and Design Staying Ahead of Remediation
- Private Property Logistics



Coldwater Creek FAQs

Website

- St. Louis District Website <http://www.mvs.usace.army.mil>
 - Click on FUSRAP Quick Link (left side of District page)
 - FUSRAP page will open
 - Click on Coldwater Creek FAQs (upper right corner of FUSRAP page)
- Also at the FUSRAP site:
 - Background (history, laws, regulations, public participation)
 - Sites (about each project, records of decision, documents)
 - Reports
 - Meeting Presentations
 - Newsletters
 - Fact Sheets
 - Links to other agencies
 - ...more



Questions and Information

Website

- St. Louis District Website <http://www.mvs.usace.army.mil>
- FUSRAP Website <http://bit.ly/FUSRAPstl>

General Information

- Public Affairs Office, 314-331-8000

Newsletter

- Bi-annual; sign up list at USACE tables

Administrative Record – Documents are available for viewing at the following locations:

- **FUSRAP Office**, 8945 Latty Ave., Berkeley, MO (314.260.3905)
 - Hours: 8am-3pm, Monday through Friday – By Appointment
- **St. Louis City Library**, 1301 Olive Street, St. Louis, MO (314.241.2288 - By appointment only)

