

St. Louis Site Remediation Task Force

To: St. Louis Site Remediation Task Force Participants
From: James Dwyer, Facilitator
Date: March 1, 1996
Subject: Special Working Session Wednesday, March 6, 1996

A second special working session of the St. Louis Site Remediation Task Force has been scheduled for **9 a.m. Wednesday, March 6, 1996**, at the Berkeley City Hall, 6140 North Hanley Road, Berkeley, Missouri, 63134. The session is expected to last three hours.

The purpose of the session is to continue efforts begun last evening to identify and define potential remediation options for each of the following components of the St. Louis FUSRAP Site:

- St. Louis Downtown Site (SLDS)
- St. Louis Airport Site (SLAPS)
- Hazelwood Interim Storage Site (HISS)
- Latty Avenue Vicinity Properties and Haul Routes
- Ballfields
- Coldwater Creek
- West Lake Landfill

Enclosed please find matrices developed by those in attendance at yesterday's session (see list of participants) for the Ballfields and SLAPS (not complete). Please review these documents and come to Wednesday's meeting prepared to offer suggestions for refinements. Also enclosed is a blank matrix form. Please use this to develop your thoughts for completing matrices for the remaining five areas of contamination.

Finally, please call (367-5707) if you have questions or comments regarding the process.

Enclosures: Completed matrices
List of participants
Blank matrix

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St. Louis Site Remediation Task Force

ATTENDEES

February 29, 1996 Working Session

Lori Batton, City of Berkeley
Wayne Black, St. Louis County Health Department
Tom Binz, Laclede Gas Co.
Richard Cavanagh, St. Louis County Health Department
Kay Drey
Jack Frauenhoffer, Mallinckrodt Chemical, Inc.
Robert Geller, MDNR
Anna Ginsburg, City of St. Louis
James Grant, Mallinckrodt Chemical, Inc.
Tom Horgan, U.S. Rep. James Talent's Office
Ron Kucera, MDNR
Donovan Larson, St. Louis County Water Co.
Nancy Lubiewski
Tom Manning, City of Hazelwood
Bob Marchant, Metropolitan St. Louis Sewer District
Ken Midkiff, Sierra Club
Jean Montgomery, City of Berkeley
Eileen O'Connor, Union Electric
Sally Price
Edward and Mead Ruesing, citizens
Roger Pryor, Missouri Coalition for the Environment
Josh Richardson, City of Berkeley
Conn Roden, St. Louis County Health Department
Mitch Scherzinger, MDNR
Jan Titus, Lambert Airport

St. Louis FUSRAP Site
Remediation Alternatives (DRAFT)
BALLFIELDS

	OPTION I	OPTION II	OPTION III	OPTION IV
Objectives	Maintain existing conditions (i.e., no authorized access)	Controlled/restricted access to property; deed restrictions - limited uses (e.g., for industrial/commercial/ storage)	Release of land for limited reuse e.g., access permitted for a brief periods (recreation) or in controlled environment (factory, warehouse)	Total release of land for unrestricted reuse; unrestricted use of groundwater (i.e., residential/gardener scenario)
Remediation Plan	None	Hotspot removal; erosion control; ensure no recontamination; containment (air, water & soil) to prevent spread of contamination	Hotspot removal & capping; removal of contamination to standards suitable to user scenario; reduce contaminant concentration; ensure no recontamination; exhumation of adjacent contaminated areas	Exhumation of contaminated soil to standards; cleanup groundwater to standards; ensure no recontamination
Cleanup Level(s)	Not applicable	Limited cleanup to standards suitable for industrial/commercial uses (not recreational)	Cleanup to standards suitable for industrial/commercial/ and recreational uses	Cleanup to standards suitable for residential/gardener use
Interim Measures	None	Control surface soil; control incoming and outgoing migration of air/water/soil; fencing and signs (immediately); ongoing public awareness and education programs	Control surface soil; control incoming and outgoing migration of air/water/soil; fencing and signs (immediately); ongoing public awareness and education programs	Control surface soil; control incoming and outgoing migration of air/water/soil; fencing and signs (immediately); ongoing public awareness and education programs

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	OPTION I	OPTION II	OPTION III	OPTION IV
Long Term Management	Fence, signs; revegetate/maintain vegetation; compensation for damages and loss of use of property; public awareness and education programs (ongoing); monitoring: a) access to property b) environmental conditions; prevention of migration (soil and water); flood control measures; relocation of utility lines; DOE trailer and staffing; on-site security presence; obtain local permits; suitable aesthetics; compensate for economic benefits foregone (opportunity costs); institutional controls; DOE retains responsibility, liability (perennial caretaker status)	Fence, signs; revegetate/maintain vegetation; compensation for damages and loss of use of property; public awareness and education programs (ongoing); monitoring: a) access to property b) environmental conditions; prevention of migration (soil and water); flood control measures; relocation of utility lines; DOE trailer and staffing; obtain local permits; suitable aesthetics; compensate for economic benefits foregone (opportunity costs); institutional controls; DOE retains responsibility, liability (perennial caretaker status)	Fence (along creek); compensation for damages and loss of use of property; public awareness and education programs (ongoing); monitoring: a) access to property b) environmental conditions; prevention of migration (soil and water); flood control measures; relocation of utility lines; DOE trailer and staffing; obtain local permits; suitable aesthetics; institutional controls; DOE retains responsibility, liability (perennial caretaker status)	DOE maintain responsibility for subsequent discovery of contaminants and/or more stringent cleanup standards or other similar changes; compensation for damages and loss of use (in the past)

St. Louis FUSRAP Site
Remediation Alternatives (DRAFT)
SLAPS and ADJACENT CONTAMINATION

	OPTION I	OPTION II	OPTION III	OPTION IV
Objectives	Maintain existing conditions	Controlled access; containment of contamination	Release of land for limited use	Total release of land for unrestricted reuse
Remediation Plan	None	Hotspot removal; engineering remedies (e.g., grout walls, permanent flood wall, dike, radon cap, pump and treat contaminated groundwater, fully engineered contained cell); employ appropriate technologies (e.g., for treatment, stabilization, solidification)	Exhumation and remote disposal of contamination affecting upper aquifer system and possible portion of lower aquifer system; new engineered wall to control erosion at creek; add clean fill and recontour; erosion control measures; revegetation; exhumation of ditches, gabion wall, railroad right-of-way; hotspot removal; engineering remedies (same as Option II)	Exhumation and remote disposal of all contaminated material from upper and deep aquifer systems; recontour with clean fill; erosion and flood control; revegetation
Cleanup Level(s)	Not Applicable	Not applicable (because containment is objective)	Cleanup to standards suitable for industrial/commercial/recreational uses	Cleanup to standards suitable for residential/gardener uses

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	OPTION I	OPTION II	OPTION III	OPTION IV
Interim Measures			Contain air and water migration; treat contaminated water	Establish DOE field office; reroute McDonnell Boulevard; minimal site improvements to control erosion (to protect public and worker health)
Long Term Management				

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St. Louis BRAP Site
Remediation Alternatives (Draft)

	OPTION I	OPTION II	OPTION III	OPTION IV
Objectives				
Remediation Plan				
Cleanup Level(s)				
Interim Measures				
Long Term Management				

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CO-1906

Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for the St. Louis Site, Missouri



U.S. Department of Energy

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