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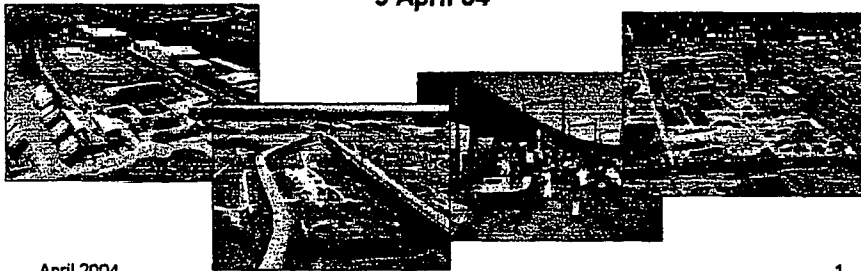
FUSRAP



Gateway to Excellence

St. Louis Oversight Committee Meeting Corps Update

9 April 04



April 2004

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Agenda



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- **Mississippi Valley Division**
- **Progress Report**
- **North County ROD**
- **Community Interactions**
- **Taskers**
- **Questions**

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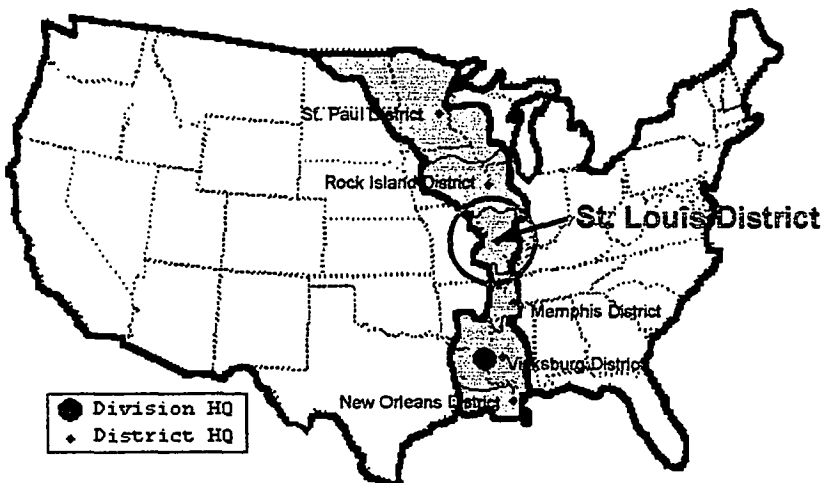


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Mississippi Valley Division



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Progress Report St. Louis Downtown Site (SLDS)



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Pre-Design Investigation (PDI) –

- **South Angelrodt VPs** - Walkovers are complete. Sampling plans to be developed based on historical assessments. (Gunther North, Cotto Waxo, Starr Bedding, Christiana Court pending)
- **West Broadway VPs**. Historical interviews and walkovers complete. Sampling complete except for one property.
- **Thomas & Proetz VP** - Additional samples incorporated into the PDI report. Report to be issued end of April.
- **MI - Plant 6W (South Bldg 101)** – Draft PDIR issued for review and comment.
 - Plant 6W (West Bldg 101) – Additional PDI sampling underway. Initial samples complete. Contingency samples being collected.
 - Plant 7 N/S - PDI report under internal review.

Remedial Design –

- **MI - Plant 6W (S of Bldg 101)** – Incorporating comments from internal review. Design to be issued in May. Need letter of accessibility from MI. Plant 6W (West Bldg 101) – Design in initial stage of dev. Plant 7 N/S – Design in initial stages of dev.
- **Thomas & Proetz VP** – Design pending.

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Progress Report St. Louis Downtown Site (SLDS)



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Remedial Action

- **Mallinckrodt**
 - **Plant 1** - 3,724 cyds remediated - Post Remedial Action Report (PRAR) - USACE review complete. Internal comments being incorporated. Regulator review by later this month.
 - **Plant 6E / 6E1/2** - 22,958 cyds remediated - The RAS complete and the contractor is working on the PRAR.
 - **MI Plant 7E** - Completed in SEP 03. 1,319 cy excavated. PRAR for internal review to be delivered by end of April.
- **VP's**
 - **Midwest Waste/Heintz Steel** - Completed SEP 01 & SEP 03, respectively. (MWW - 4,775 cy; Heintz - 1,663cy) RAS & PRAR for properties has been combined. Responses to internal comments on the RAS are working. PRAR is next.
 - **McKinley Bridge** - RA complete JAN 04. Approximately 2,800 cy excavated. Restoration (except bike path) is complete. Final restoration of the bike path awaiting warmer weather. RAS for internal review expected by end of April.
- **Rail Shipments off SLDS**
 - 2,680 cyds shipped / 10,000 planned

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Progress Report Hazelwood Interim Storage Site (HISS)/Latty Avenue / SLAPS VPS



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HISS / Latty Avenue

- PDIs under development for VPs 1L, 8C & 40a Parcel as well as 2L, 3L, 4L & 5L
- **Rail Shipments off HISS**
 - 0 cyds planned in FY04

SLAPS VP's

- **Data Evaluation** - Assessment of the 30 DoE remediated properties. Finalizing response to comments.
- **Characterization** - ongoing for VP's
- **Designs are on hold and expected to be completed in FY04**
 - 56/57/58/59/1C & Pershall & I-270 ROW + 9/10/11/12 & Ballfield hotspots
- **MSD support in FY04** - Sewer line project along Eva and Frost next FY
- **Property Owner Support** - Support for VP 4C / 5C provided in MAR. 90 cy removed in support of the property owner's development plans.
- **Rail Shipments from VP's**
 - 0 cyds planned in FY04, 135 cyds shipped to date

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Progress Report St. Louis Airport Site (SLAPS)



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- **Designs – Complete for SLAPS**
- **Removal Actions**
 - **Phase 2/3 excavation** – Continues. 75,000 cyds expected
 - Approximately 76,500 cyds have been excavated to date
 - This Phase consists of 10 Survey Units – 6 complete to date. Backfilling SU33. Currently working SU34 next to McDonnell Boulevard.
 - **Phase 4/5 (CWC removal action/restoration)**
 - Approximately 1,500 cyds have been excavated to date.
 - CWC removal action/restoration on hold until August. AmerenUE to complete GKN power supply relocation by end of June.
 - SU38 (adjacent to McDonnell Blvd.) – partially excavated for sheet-pile tie back installation.
 - **Phase 6 excavation**
 - Approximately 8,000 cy removed.
 - **Water storage/treatment**
 - Water storage basin located in SU-34/35; sedimentation basin relocated to SU47.
 - Water treatment to begin in May.
- **Rail Shipments off SLAPS**
 - 48,600 cyds shipped to date / 85,000 planned.

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Progress Report Other Issues



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- **Long Term Stewardship -**
 - Meeting was held 4 March
 - Attendees included MDNR, Berkeley, St. Louis County Planning and Corps
 - Group reviewed the draft Overlay District and decided to move forward with writing background sections of the report. (Site description, History, etc.)
 - Next meeting 29 July
- **North County Haul Road** - pending for regulator review.
- **DoE Program POC (Jeff Short) -**
 - No interactions during this timeframe
- **CERCLA 5 year Review for all St. Louis FUSRAP Sites**
 - Issuing responses to EPA & MDNR comments by end of April.

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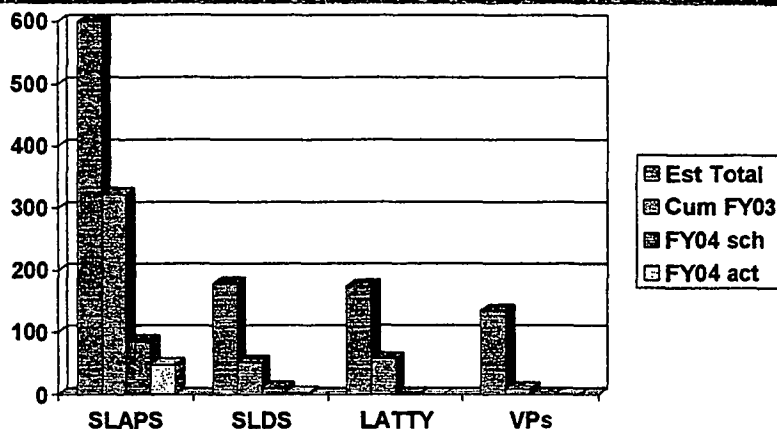


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Volume Removed Using Environmental Documents



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Note 1. All volumes are exsitu. Exsitu volume = Insitu volume plus 20% for excavation and 25% for swell prior to Transportation and Disposal
Note 2. SLDS volumes do not include Inaccessibles

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North County ROD Status



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- **The North County Record of Decision**
 - Draft ROD and Responsiveness Summary is currently under Regulator review.
 - ROD issued 10 Feb.
 - Meeting held in Jefferson City
 - USACE agreed to a 20 day extension of the review period. Comments now due May 3.
 - **Derivation of Site-Specific DCGLs for North County Structures**
 - Comments were due 1 DEC from the USEPA and MDNR
 - MDNR requested an extension to 15 DEC for their comments and 31 DEC for MDOH comments.
 - USACE met with EPA & MDNR to resolve comments.
 - **GW Technical Working Group Meeting**
 - Meeting with EPA and MDNR (FFS & DGSLs) held 25 Mar 04.
 - Group discussed site cleanup actions to date, provide an update on the SLDS Groundwater Remedial Action Alternatives Assessment (GRAAA) and explain groundwater monitoring as it is presented in the Draft North County ROD.
 - Next meeting 27 APR 04

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Community Interactions



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- **Recent Events**
 - None
- **Upcoming Events**
 - Incarnate Word (Elementary School) Science Fair on 20 Apr
 - St. Louis Earth Day in Forest Park on 25 Apr
 - Publish newsletter

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Taskers



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- **Old Taskers**
 - USACE to provide a summary briefing for North County ROD - likely late summer when document closer to final version
 - USACE will schedule a time with the DOE Office of Legacy Management to brief the Oversight Committee on Long Term Stewardship (Date / Time TBD)
- **New Taskers**

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Derived Concentration Guideline Levels (DCGLs) for Structures



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- Derived pursuant to 10 CFR 40, Appendix A, Criterion 6(6) for structures
- Limited number of structures are located in proximity to contaminated soils and thus to be impacted
- Impacted structures will be subjected to final status surveys

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"Surface and Volume Radioactivity Standards for Clearance" (ANSI-N13.12-1999)



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- Provides clearance criteria derived for release of materials and equipment from controlled areas
- Criteria developed to replace those specified in NRC Regulatory Guide 1.86
- Surface contamination "Screening levels for clearance" are 600 and 6000 dpm per 100 square centimeters for thorium-230 and uranium-238, respectively.
- Criteria based on 1 mrem per year

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Development of Derived Concentration Guideline Levels (DCGLs) for Structures



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- Use the ARAR-based residential benchmark dose (19 mrem/yr) constrained to 15 mrem/yr per EPA guidance
- Input parameter inputs – EPA>NRC>ANSI>RESRAD Build defaults
- DCGLs are 6,900, 15,000 and 19,000 dpm/100 cm² for Th-230, Ra-226, and U-238 respectively.
- DCGLs applied using Sum of the Ratios.

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MDNR-Requested Site Comparison



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Location	Isotope	Surface Contamination Criteria (dpm/100 cm ²)
Linde Bldg 14 (8.8 mrem/y)	U-238	38,000
	Th-230	14,000
St Louis North County Sites (15 mrem/y)	U-238	19,000
	Th-230	6,900

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Questions



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Questions?

Questions?

Questions?

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Questions?

Questions?


Questions?

Questions?

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Mattingly, Jacqueline MVS

 Richard Cavanagh [RCavanagh@ltcop-stl.org]
Sent: Friday, May 07, 2004 11:28 AM
To: Mattingly, Jacqueline MVS
Subject: Meeting Minutes

Attached is the memo announcing the next meeting and minutes of the April meeting. Please distribute.

Thanks.

Richard Cavanagh
Executive Director
LTC Ombudsman Program
314-918-8222



5/11/2004

St. Louis FUSRAP Oversight Committee
c/o 17125 Old Jamestown Rd.
Florissant, MO 63034
314-313-2959
rcavanagh@ltcop-stl.org

Summary of Meeting
April 9, 2004

Committee Members Present: Ric Cavanagh, Sally Price, Tom Manning, Michelle Morgenstern

Committee Members Excused: Jim Grant

Other Interested Parties: Larry Erickson, Eric Gilstrap, Ron Rauh, Dennis Chamgers, Jacqueline Mattingly, Sharon Cotner

The following comments are in addition to the handouts provided by USACE staff at the meeting.

Page 4 – sites are listed in the order that they will be completed. The SLDS ROD only addressed accessible sites: 6W (South Bldg) has been identified as inaccessible by Mallinckrodt (ie. critical to its operations). This now needs to be changes so that work can be completed.

Page 5 – Note: there are many documents coming out for review at this time.

Page 6 – Some work is on hold until the ROD is approved.

Page 8 – North County Haul Route – in on Sharon's desk

Page 10 – the 20 day extension has been at EPA's request. DCGL=Derived Concentration Guideline Limit.

Note: Future funding is still in question (due to the war, adding new sites, etc.)

NEXT MEETING

Friday, May 14, 2004
11:30 am

FUSRAP Document Management System

Year ID
00 4105

Further Info?
☐

Operating Unit
St. Louis Sites

Site

Area

MARKS Number
FN:1110-1-8100g

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Public Affairs/Community Relation

Secondary Document Type
Public Meeting Minutes/Transcripts

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St. Louis FUSRAP Oversight Committee, Meeting Minutes from 9-April-2004.

Author/Originator

Company

Date

Oversight Committee

4/9/2004

Recipient(s)

Company (-ies)

Version

Final

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Central Files

Document Format
paper

Confidential File?
☐

Comments

Include in which AR(s)?

☒ North County

☐ Madison

☐ Downtown

☐ Iowa

ETL

8.10

SAIC number

Filed in Volume

8

Bechtel ID

