

U. S. Army Corps of Engineers  
St. Louis District - FUSRAP Project Office  
8945 Latty Avenue  
Berkeley, Missouri 63134

**FROM:** Jacque Mattingly

**Phone:** 314-260-3924

**Fax:** 314-260-3941

**TO:**

**John Langerak,** Redacted - Privacy Act  
**Anna Ginsburg,**

**Date:** January 6, 2003

**No. Pages Including Cover Sheet:** 3

**REMARKS:**

For your information –

A copy of the St. Louis Oversight Committee meeting minutes follows. The next meeting is scheduled for this Friday, January 10, 2003 at the FUSRAP Project Office.

**Mattingly, Jacqueline MVS**

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**From:** Richard Cavanagh [rcavanagh@ltcop-

**Sent:** Friday, January 03, 2003 2:09 PM

**To:** Mattingly, Jacqueline MVS

**Subject:** FUSRAP Minutes

Attached are the brief meeting minutes from December as well as the meeting announcement for next week.

Please distribute.

Thanks.

Ric Cavanagh  
Executive Director  
LTCOP  
314-918-8222

1/6/2003

**ST. LOUIS FUSRAP OVERSIGHT COMMITTEE**  
*c/o 17125 Old Jamestown Rd*  
*Florissant, MO 63034*  
*314.313.2959*  
[rcavanagh@ltcop-stl.org](mailto:rcavanagh@ltcop-stl.org)

**Memorandum**

TO: FUSRAP Oversight Committee Members  
Other Interested Parties

FROM: Richard R. Cavanagh  
Chairperson

RE: Next Meeting

The next meeting of the St. Louis FUSRAP Oversight Committee will be held on Friday, January 10, 2003, 11:30 am, in the trailers on Latty Ave.

Committee members who cannot attend should contact the Chairperson at the above numbers to be excused.

Thank you.

:RRC

**ST. LOUIS FUSRAP OVERSIGHT COMMITTEE**

**c/o 17125 Old Jamestown Rd.**

**Florissant, MO 63034**

**314. 313.2959**

**rcavanagh@ltcop-stl.org**

Summary of Meeting

December 13, 2002

Committee Members Present: Tom Binz, Ric Cavanagh, Tom Manning, Bill Brandes, Sally Price, Jim Grant

Other Interested Parties: Jack Fraenhoffer, Larry Erickson, Eric Gilstrap, Elaine Seele, Angela Minor

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

Page 4 – The railroad is cooperating at this time.

Page 6 – Remedial design is on hold due to funding issues.

Page 7 – The North County ROD is progressing on schedule. The Office of Management and Budget (OMB) shorted FUSRAP \$3.5 million this month. Staff will probably have to tell contractors that they are working “at risk” for payment.

Page 9 – Ten hydrostatigraphic Unit A wells are not of concern. (Unit A sits on top of Unit B). Well #19 is really driving this issue.

Page 11 – IL is Investigative Level (the trigger level). Therefore, the contaminant does not seem to be moving.

Note: See goals for FY 2003 in September and October minutes.

Next Meeting

Friday, January 10, 2003

11:30 am

The Trailers on Latty Ave.



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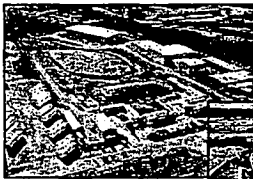
# **FUSRAP**



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## **St. Louis Oversight Committee Meeting Corps Update**

13 DECEMBER 02



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## **Agenda**



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- **Mississippi Valley Division**
- **Progress Report**
- **Community Interactions**
- **Taskers**
- **Questions**

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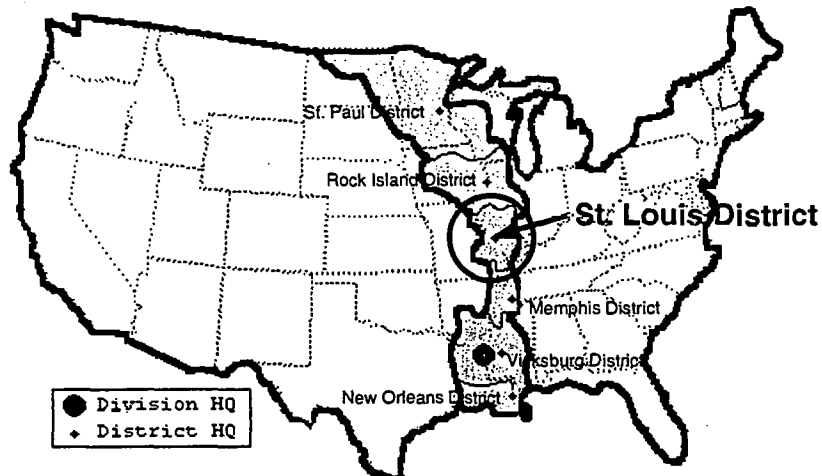


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## Mississippi Valley Division



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## Progress Report St. Louis Airport Site (SLAPS)



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- **Remedial Design**
  - **Work Descriptions for Phases 4 / 5 and Phase 6** - Next step is regulator review for Phase 4/5 (after North County ROD). USACE 90% review for Phase 6 has been completed. Coordination with the railroad is ongoing.
- **Removal Actions**
  - **Began Phase I (IA5) excavation 10 DEC 01** - 75,000 cyds expected
    - 67,000 cyds removed to date. Phase 1 removal continues - 2 Survey Units remain.
    - 3 of the 5 Survey Units have been cleared / backfilled to date, 1 SU is under Final Status Survey and the other is being excavated.
    - Survey Units 15 and 16, adjacent to McDonnell Blvd., are next.
  - **The Radium Pits sump area (Survey Unit 21A) is backfilled.**
  - **Status of water treatment system**
    - Resubmitted the USACE proposed discharge limit for Se to the MDNR for further consideration.
      - Met with the MDNR on 29 August, awaiting response
  - **Rail Shipments off SLAPS**
    - 25,166 cyds shipped to date / 75,000 planned.

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



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- **HISS / Latty Avenue**
  - Requesting removal of NPDES permit at HISS.
    - Letter sent to MDNR, no response to date. MDNR is looking at our request (29 August meeting).
  - GIFREHC Roof Replacement
    - MVS support of the GIFREHC roofing contractor continues. Expect DEC completion.
    - 95% complete, 2,250 cyds removed to date. Roofing contractor estimates that it will take 1 working day to complete.
      - This may have to be a weekend day due to the facilities production schedule.
  - Rail Shipments off HISS
    - 450 cyds shipped to date / 500 cyds planned
- **SLAPS VP's**
  - Data Evaluation
    - Assessment of the 30 DoE remediated properties. Finalizing response to comments.
  - Designs are on hold and expected to be completed in FY03
    - 56/57/58/59/1C & Pershall & I-270 ROW + 9/10/11/12 & Ballfield hotspots
  - Support to the City of Florissant ongoing
    - Along Coldwater Creek where it intersects Paddock Creek
    - Rail Shipments from VP's
      - 0 planned in FY03

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## Progress Report St. Louis Downtown Site (SLDS)



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- **Remedial Investigation** - USACE completed internal draft for the Groundwater Remedial Action Alternatives Assessment due to high levels of U in a well at Plant 6W - It is currently under internal review.
- **Remedial Design**
  - **Pre Design Investigation** - Mallinckrodt West, Plant 7N/7S, Heintz Steel, Gunther Salt, Christiana Ct, Star Bedding, Collins, and Cotto Waxo are currently on hold
  - **Plant 7E** - Currently in the process of conducting an area walkover.
  - **Work Descriptions - REV 1's may be issued after PDI re-evaluation**
    - Thomas and Proetz deep soils evaluation results are pending USACE internal review.
    - MVS completed its PDI at McKinley Bridge / City of Venice property, PSC Metals PDI is ongoing.
- **Remedial Action**
  - **Plant 1 - 3,724 cyds remediated**
    - Post Remedial Action Report - data from additional sampling being evaluated.
    - Scarifying of slabs under Buildings T,V and W is pending.
  - **Plant 6E / 6E1/2 (27,000 cyds) began 3 DEC 00 - 22,090 cyds remediated to date**
    - Continuing excavation in the final phase, Phase 3. Completion date is MAR 03.
  - **VP's - Midwest Waste (4,800 cyds) - 4,775 cyds removed to date, Final status survey and spot excavation is ongoing. 4 of 6 Survey Units cleared for backfill to date. Expect completion in DEC 02.**
  - **Rail Shipments off SLDS**
    - 506 cyds shipped / 13,000 planned.

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## Progress Report Other Issues



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- **North County Feasibility Study/ Proposed Plan**
  - One remaining major issue exists with the CX OC comments - MVS continues to work on finalizing our position paper
  - CX issue resolution and public review are the next steps.
- **Long Term Stewardship -**
  - Next meeting will be scheduled in the DEC timeframe
  - DOE LTS Meeting for Weldon Spring was held on 5 DEC, next meeting is 30 JAN.
- **DoE Program POC's interactions -**
  - None at this time
- **New MDNR Cooperative Agreement**
  - Working new agreement with the MDNR
- **Funding**
  - Energy and Water Appropriation has not been signed by the President. FUSRAP is currently operating under a Continuing Resolution Authority (CRA)
    - Current CRA is in effect until 11 JAN
- **Reprogramming Issue Status**
  - No change to date. Current language limits transfers between projects to \$1 million without Congressional approval. Old language stated 15% of site authorization could be transferred without approval.

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## Ground Water Remedial Action Alternative (GRAAA)



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- **SLDS ROD states**
  - "If long term monitoring of the unit (Hydrostratigraphic Unit B) shows significant exceedances of maximum contaminant levels (MCLs) or the thresholds established in 40 CFR 192 by the contaminants of concern specified in the SLDS ROD, a Ground Water Remedial Action Alternative Assessment (GRAAA) will be initiated."
    - **The SLDS ROD specified Investigative levels are:**
      - 50 micrograms per liter for Arsenic
      - 5 micrograms per liter for Cadmium
      - 20 micrograms per liter for Total Uranium
- **Purpose of the GRAAA**
  - to evaluate "MED/AEC contaminant of concern fate and transport, risk to the public and the environment, practical and efficient technologies to reduce the COCs, the likely concentrations to be removed, the impact of Mississippi River flooding inflows to the B Unit and recommendation for action."
    - The GRAAA approach is assessment, investigation, feasibility and proposed remedy if long term monitoring shows the COCs significantly exceed the Investigative Levels.

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- USACE is in Phase I, the assessment.

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## SLDS Monitoring Wells



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- 21 wells are utilized to monitor the groundwater at SLDS.
  - 10 monitor Hydrostratigraphic Unit A
  - 11 monitor Hydrostratigraphic Unit B
- Wells are monitored for arsenic, cadmium, Th-228, Th-230, Th-232, Ra-226, U-234, U-235 and U-238.
  - Sampling interval process was determined through the Technical Planning Process - 3-, 6-, 12-, & 30-month intervals are determined by the well data
- Well DW19 sample results exceed the HU-B investigative level for Total Uranium listed in the ROD and initiated the GRAAA.
  - Average annual sampling result is approximately 62  $\mu\text{Ci/l}$ 
    - .7 micrograms/liter is equal to 1  $\text{pCi/l}$  for Total Uranium (20microg/l = 14  $\text{pCi/l}$ )
  - Well is located in Plant 6W, directly south of Building 101.
  - West of this location radionuclide contamination may be 17' below ground level
  - Older sewer lines also pass near DW 19
- The Arsenic IL was exceeded in two wells; however, Arsenic may be naturally occurring.
  - "Elevated arsenic concentrations are typical for groundwater in Mississippi River alluvial deposits" 1974 Miller study
- Well sampling data has remained constant for the last few years (1999 - 2002)

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## Well Depths



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- The average depth of the deep wells vary with location ....
  - For DW19 the depth of the well is 55', the first 33' are in HU-A and the next 22' are in HU-B.
  - the depth of HU-B is greater to the east, as it gets closer to the Mississippi.
- Fill exists from the surface elevation 424 to elevation 409 - 15'
  - a fine-soil, low permeability layer exists below this level
  - At DW19, the well with the high U readings, HU-B is approximately 30' below ground level.
- The source of the contamination is under investigation

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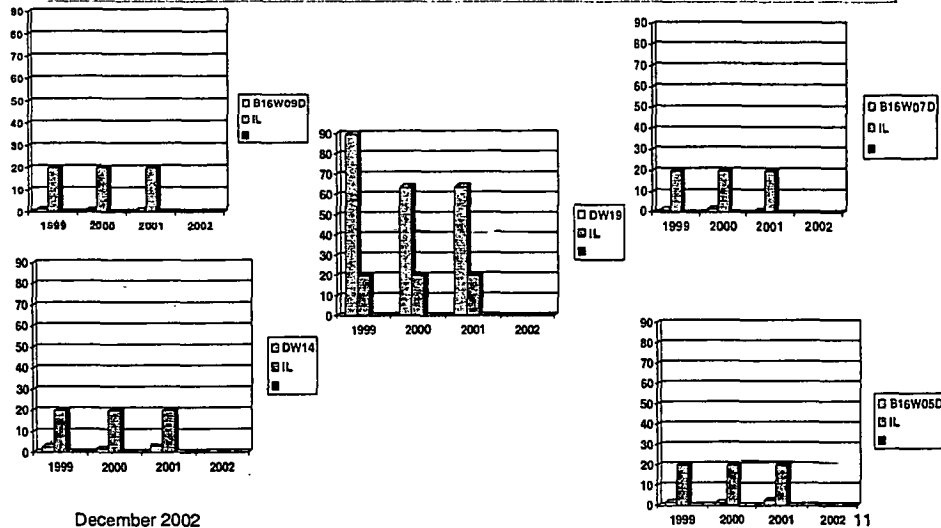


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## DW19 and Surrounding Deep Wells - Sampling Results



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## Path Forward



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- **The USACE continues to work on Phase I of the GRAAA.**
  - **Phase I of the GRAAA will likely conclude:**
    - Continue to investigate the fate and transport of contamination.
    - Phase II should not begin until the SLDS' Sewer Study has reached some conclusions.
  - **Further Investigation is needed to resolve the fate and transport, and risk to the public and environment.**
    - A determination of the source of the contamination would benefit future evaluations.
      - The source of uranium may be due to long past actions of surface contamination.
      - Sewer line breaks may be the source of uranium input to ground water.
      - CT burial pits may be a potential source.
    - USACE personnel were at the National Archives this week gathering additional information.

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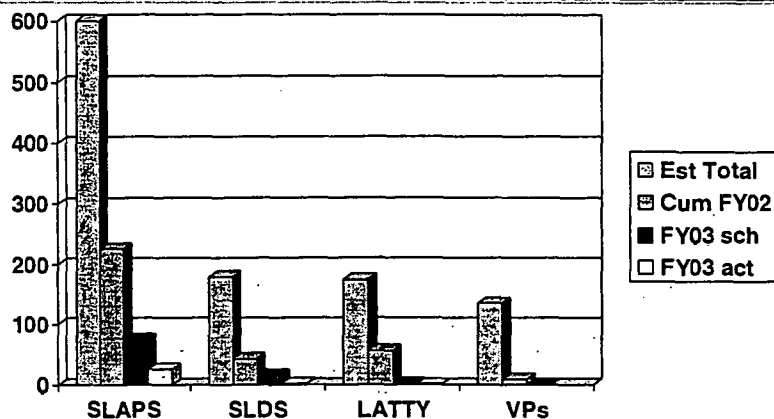


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## Volume Removed Using Environmental Documents



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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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## Community Interactions



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- **Recent Events**
  - The Fall 2002 Newsletter was published
- **Upcoming Events**
  - FUSRAP has been requested to speak to Ameren UE employees on 23 JAN

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## Taskers



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- **Old Taskers**

- Provide the Oversight Committee a briefing on the FS/PP when appropriate (Working)
- Provide the Oversight Committee with a short briefing on Plant 6W well data using information such as the locations, depths and sampling results of the wells (Complete)
- Provide the website for the DOE FUSRAP database to the Oversight Committee when published by the DOE (Complete.  
[Http://csd.apps.em.doe.gov/](http://csd.apps.em.doe.gov/))

- **New Taskers**

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## Questions



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# FUSRAP Document Management System

Year ID

00 3456

Further Info?



Operating Unit

St. Louis Sites

Site

Area

MARKS Number

FN:1110-1-8100g

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Public Affairs

Secondary Document Type

Public Meeting Minutes/Transcripts

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Author/Oriinator

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Oversight Committe

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12/13/03

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8

