



## Department of Energy

Oak Ridge Operations  
P.O. Box 2001  
Oak Ridge, Tennessee 37831— 8723

January 30, 1995

Mr. Daniel Wall  
Site Assessment and Federal  
Facility Section - Superfund Branch  
U.S. Environmental Protection Agency  
Region VII  
726 Minnesota Avenue  
Kansas City, Kansas 66101

Dear Mr. Wall:

### **QUARTERLY PROGRESS REPORT FOR THE PERIOD OCTOBER - DECEMBER 1994 FOR THE FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM (FUSRAP) ST. LOUIS SITE**

The following items represent the significant activities and achievements related to the FUSRAP St. Louis Site for the period October through December 1994:

- During the fourth quarter, the Department of Energy (DOE) initiated and completed a removal action on the St. Louis Airport Site (SLAPS) residential vicinity properties. The engineering and construction preparations for remedial action were completed between August and September; this included preparation of engineering drawings for the excavation areas, cleanup technical specifications, work schedules, civil and radiological survey of the properties, sampling of the contaminated soil areas to provide the necessary information on soil characteristics to the disposal facility in Utah, and arrangements for waste transportation and disposal.

Field work was initiated on properties along Hazelwood Avenue on October 17. Excavated soil was placed into intermodal shipping containers that were subsequently staged at SLAPS pending approval to ship the material for disposal at Envirocare of Utah. Four residential vicinity properties along Hazelwood Avenue and two properties along Frost Avenue were remediated. A total of 1,350 cubic yards was excavated and placed into 90 intermodal containers.

- The backfill, grading, and seeding of the remediated properties was completed at the end of December. Because the remediation effort involved drainage ditches along the road, the restored areas will be regularly monitored for erosion until vegetation becomes re-established during the Spring growing season.

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The St. Louis Site Remediation Task Force held monthly meetings in October, November and December. The task force established a mission and charter with the intent to provide their recommendation on the selection of a remedial alternative for the St. Louis Site. The task force also established several working group subcommittees to evaluate specific areas of interest to the task force.

The task force membership includes broad-based representation -- including participation from regulators, local elected officials, public health officials, scientists, private property owners, utility companies, environmentalists, and other affected agencies such as the Airport Authority. The task force is chaired by Dr. Alpha Fowler Bryan, who until recently was the Director of the St. Louis County Department of Health.

- DOE continued its efforts to evaluate technologies available for soil treatment. Soil samples collected from the North County area in the late summer underwent laboratory testing to assess the characteristics that critically affect treatment methodologies. The results of this testing have yielded mixed results; however, there has been sufficient promise to warrant further consideration and testing to identify treatment technologies that may have a potential for being successfully applied to St. Louis soils. If the current studies yield promising results, larger-scale bench tests will be undertaken later in the year.
- The Missouri Department of Natural Resources (MDNR) advised DOE that it had not yet completed review of the renewal application for the Hazelwood Interim Storage Site (HISS) National Pollutant Discharge Elimination System (NPDES) permit. The current permit was due to expire on December 31; however, because the MDNR review is not complete, MDNR advised that the current permit would remain in effect until a new permit is issued.

The renewal application was submitted to the state last June. The application included a request to modify the stormwater sampling requirements in a way that would maintain the same level of information generated to ensure protection of public health and the environment while at the same time saving over \$10,000 per year.

- Discussions between DOE and state officials continued in an effort to resolve the matter of the notice of violation (NOV) issued by the state regarding stormwater discharge monitoring at SLAPS. In June 1994, DOE and the City of St. Louis each received a second NOV from the State of Missouri because neither party had submitted an application for a stormwater discharge permit for the St. Louis Airport Site (SLAPS) to the state. Both DOE and the City of St. Louis maintain that they are not legally obligated to obtain a stormwater permit. In a July letter from senior DOE-HQ management to the state, DOE made clear its intent to conduct periodic monitoring of the site, but not to obtain a stormwater discharge permit for the site.

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- FUSRAP is currently preparing engineering options for the stabilization of SLAPS. The primary area of concern is a radiological hot spot along the north fenceline. While there is no current land use scenario in which a member of the public could receive a radiation dose in excess of DOE's standard of 100 mRem/year, DOE has agreed to undertake measures to reduce the fenceline exposure levels.

FUSRAP is also evaluating other site stabilization measures including additional erosion control and an upgrading and repair of sections of the perimeter fence.

- Representatives from FUSRAP and Mallinckrodt met on a number of occasions to scope out a possible removal action in Plant 10 at the St. Louis Downtown Site (SLDS) later this year. Mallinckrodt has proposed to demolish several buildings in Plant 10, clearing the way for DOE to undertake excavation of an estimated 6,000 cubic yards of contaminated soil in that area. Mallinckrodt expects that the Plant 10 area would become a location for future expansion of its facilities if the area was decontaminated -- thereby contributing to the economic growth of the downtown St. Louis area.
- FUSRAP is also evaluating a removal action in North County along Latty Avenue. During Spring 1994, the tenant at 9060 Latty Avenue undertook an oil-contaminated soil remediation effort that resulted in the construction of a storage pile containing radioactively contaminated soil on that property. The tenant had arranged for the remediation and removal of oil-contaminated soils on the property; however, soils that were contaminated with both oil and radioactivity were placed into the onsite pile that contains approximately 2,500 cubic yards. The tenant has subsequently vacated the property; a new tenant has begun to occupy a portion of the building on the property.
- During the quarter, DOE provided support to various other activities in areas where there was a potential for contaminated soil. These included:
  - In October, Mallinckrodt packaged soils from an area near Building 96 at SLDS. Mallinckrodt expects to place these soils into storage in Building 116.
  - During late November, an underground cable company installed several hundred feet of underground cable along McDonnell Boulevard from the vicinity of the ballfields out toward Lindberg Avenue. The work involved some excavation and drilling. FUSRAP provided information regarding potential worker health concerns as well as advice on working in areas with slightly contaminated soil. All excavated soil was returned to the excavated areas.

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- FUSRAP continued to provide routine community relations activities at the DOE Information Center in Hazelwood. In addition, the FUSRAP staff supported a Neighborhood College course sponsored by the Grace Hill association. FUSRAP staff members provided lectures and material on radiation and industrial safety to a group of young people who will be working on a Mississippi riverfront cleanup project.

During this quarterly period, environmental sampling conducted by FUSRAP consisted of routine surveillance, limited radiological surveys, and sampling associated with ongoing site activities. In addition, post-remedial action surveys were performed on the properties that were remediated. A summary of these activities and the analytical results received to date is enclosed. As always, all raw data and analyses are available for EPA review and inspection to the extent that you request.

During the first quarter of 1995, there are no scheduled FFA milestones. However, DOE has been working with EPA to define an interim action plan of activities to be undertaken until a final remedy is selected. This interim action plan has been submitted to EPA under separate cover.

Please advise if you have questions or comments regarding this quarterly report.



David G. Adler, Site Manager  
Former Sites Restoration Division.

Enclosure

cc: R. Geller (MDNR)  
D. Tschirgi (MDNR)

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Formerly Utilized Sites Remedial Action Program (FUSRAP)

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# ADMINISTRATIVE RECORD

for the St. Louis Site, Missouri

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U.S. Department of Energy