



Department of Energy

97-264

St. Louis Site Office
9170 Latty Avenue
Berkeley, MO 63134
(314) 524-4083

116-6-PA-1-AN-φφφ25
SL-1251

August 25, 1997

Ms. Kay Drey
Missouri Coalition for the Environment
515 West Point Avenue
University City, MO 63130

Dear Ms. Drey:

Per your request on August 13 at the public meeting on SLAPS Phase I, enclosed is a summary of all area-air monitoring results collected during the North County SLAPS Vicinity Property excavation. The results listed are for the period of July 15 to August 7, 1997. As you can see from the data, all readings were below DOE's derived air concentration (DAC) guidelines. Respirators are only required when air activity exceeds 50 percent of the DAC.

As always, please contact me at (314) 524-4083 to discuss any questions or concerns you may have about the results.

Sincerely,


Stephen McCracken
Site Manager

North County Excavation Area-Air Monitoring Summary (1997)
(SLAPSvp Department of Energy Facility)

#	Location	Start Date	Stop Date	Activity ($\mu\text{Ci}/\text{ml}$)	%DAC
1	SLAPS-vp Excavation #53 (On Excavator)	07/15/97	07/15/97	<LC	7.87E-14
2	SLAPS-vp Excavation #47 (On Excavator)	07/15/97	07/15/97	<LC	<MDA
3	SLAPS-vp Excavation #47 (Area)	07/15/97	07/15/97	<LC	1.35E-14
4	SLAPS-vp Eva Lot (On Loader)	07/15/97	07/15/97	<LC	<MDA
5	SLAPS-vp Excavation #53 (On Excavator)	07/16/97	07/16/97	<LC	2.74E-14
6	SLAPS-vp Excavation #47 (On Excavator)	07/16/97	07/16/97	<LC	<MDA
7	SLAPS-vp Eva Lot (On Loader)	07/16/97	07/16/97	<LC	3.85E-14
8	SLAPS-vp Excavation #53 (On Excavator)	07/17/97	07/17/97	<LC	<MDA
9	SLAPS-vp Excavation #47 (On Excavator)	07/17/97	07/17/97	<LC	<MDA
10	SLAPS-vp Eva Lot (On Loader)	07/17/97	07/17/97	<LC	2.58E-14
11	SLAPS-vp Excavation #42 (Area)	07/18/97	07/18/97	<LC	<MDA
12	SLAPS-vp Excavation #42 (Area)	07/18/97	07/18/97	<LC	<MDA
13	SLAPS-vp Excavation #42 (Excavator)	07/18/97	07/18/97	<LC	1.72E-14
14	SLAPS-vp Excavation #40 (Excavator)	07/18/97	07/18/97	<LC	4.25E-14
15	SLAPS-vp Eva Lot (On Loader)	07/18/97	07/18/97	<LC	1.18E-14
16	SLAPS-vp Excavation #42 (Excavator)	07/19/97	07/19/97	<LC	1.18E-14
17	SLAPS-vp Excavation #42 (Excavator)	07/19/97	07/19/97	<LC	1.29E-14
18	SLAPS-vp Excavation #40 (Excavator)	07/19/97	07/19/97	<LC	<MDA
19	SLAPS-vp Eva Lot (On Loader)	07/19/97	07/19/97	<LC	<MDA
20	SLAPS-vp Excavation #42 (Excavator)	07/21/97	07/21/97	<LC	<MDA
21	SLAPS-vp Excavation #42 (Area)	07/21/97	07/21/97	<LC	3.02E-14
22	SLAPS-vp Excavation #40 (Excavator)	07/21/97	07/21/97	<LC	2.52E-14
23	SLAPS-vp Excavation #40 (Area)	07/21/97	07/21/97	<LC	<MDA
24	SLAPS-vp Eva Lot (On Loader)	07/21/97	07/21/97	<LC	<MDA
25	SLAPS-vp Excavation #40 (Area)	07/22/97	07/22/97	<LC	6.96E-14
26	SLAPS-vp Excavation #40 (Excavator)	07/22/97	07/22/97	<LC	<MDA
27	SLAPS-vp Excavation #42 (Area)	07/22/97	07/22/97	<LC	1.63E-14
28	SLAPS-vp Excavation #42 (Excavator)	07/22/97	07/22/97	<LC	<MDA
29	SLAPS-vp Eva Lot (On Loader)	07/22/97	07/22/97	<LC	1.11E-14
30	SLAPS-vp Excavation #40 (Area)	07/22/97	07/22/97	<LC	1.20E-14
31	SLAPS-vp Excavation #40 (Excavator)	07/22/97	07/22/97	<LC	<MDA
32	SLAPS-vp Excavation #40 (Excavator)	07/22/97	07/22/97	<LC	<MDA
33	SLAPS-vp Eva Lot (On Loader)	07/22/97	07/22/97	<LC	<MDA
34	SLAPS-vp Excavation #31A (Area)	07/24/97	07/24/97	<LC	<MDA
35	SLAPS-vp Excavation #31A (Excavator)	07/24/97	07/24/97	<LC	<MDA
36	SLAPS-vp Excavation #31A (Area)	07/24/97	07/24/97	<LC	<MDA
37	SLAPS-vp Eva Lot (On Loader)	07/24/97	07/24/97	<LC	4.20E-14
38	SLAPS-vp Excavation #31A (Area)	07/25/97	07/25/97	<LC	1.20E-13
39	SLAPS-vp Excavation #31A (Excavator)	07/25/97	07/25/97	<LC	<MDA
40	SLAPS-vp Excavation #31A (Area)	07/25/97	07/25/97	<LC	<MDA
41	SLAPS-vp Excavation #31A (Area)	07/25/97	07/25/97	<LC	<MDA

North County Excavation Area-Air Monitoring Summary (1997)
(SLAPSvp Department of Energy Facility)

#	Location	Start Date	Stop Date	Activity (uCi/ml)	%DAC
42	SLAPS-vp Eva Lot (On Loader)	07/25/97	07/25/97	<LC 7.03E-14	1.00
43	SLAPS-vp Excavation #31A (Area)	07/28/97	07/28/97	<MDA	
44	SLAPS-vp Excavation #31A (Excavator)	07/28/97	07/28/97	<LC 2.82E-14	0.40
45	SLAPS-vp Excavation #39 (Area)	07/28/97	07/28/97	<MDA	
46	SLAPS-vp Excavation #39 (Excavator)	07/28/97	07/28/97	1.49E-13	2.13
47	SLAPSvp Eva Lot (On loader)	07/28/97	07/28/97	<LC <MDA	
48	SLAPSvp Eva Lot (Gondolas)	07/28/97	07/28/97	<LC 5.64E-14	0.81
49	SLAPS-vp Excavation #38 (Area)	07/29/97	07/29/97	<LC <MDA	
50	SLAPS-vp Excavation #38 (Excavator)	07/29/97	07/29/97	<LC <MDA	
51	SLAPS-vp Excavation #39 (Area)	07/29/97	07/29/97	<LC <MDA	
52	SLAPSvp Eva Lot (On loader)	07/29/97	07/29/97	<LC <MDA	
53	SLAPS-vp Excavation #38 (Area)	07/30/97	07/30/97	<LC 3.14E-14	0.45
54	SLAPS-vp Excavation #39 (Area)	07/30/97	07/30/97	<LC 7.34E-14	1.05
55	SLAPS-vp Excavation #39 (Area)	07/30/97	07/30/97	<LC 6.89E-14	0.98
56	SLAPS-vp Eva Lot (Area Air)	07/30/97	07/30/97	<LC 1.11E-14	0.16
57	SLAPS-vp Eva Lot (Gondola)	07/30/97	07/30/97	<LC 7.59E-14	1.08
58	Moisture Control Area (IEM Trailer)	07/30/97	07/30/97	<LC 1.25E-14	0.18
59	SLAPS-vp Excavation #38 (Area)	07/31/97	07/31/97	<LC <MDA	
60	SLAPS-vp Excavation #38 (Area)	07/31/97	07/31/97	<LC <MDA	
61	SLAPS-vp Excavation #39 (Area)	07/31/97	07/31/97	<LC <MDA	
62	SLAPS-vp Excavation #39 (Area)	07/31/97	07/31/97	<LC <MDA	
63	SLAPS-vp Eva Lot (Area Air)	07/31/97	07/31/97	<LC <MDA	
64	SLAPS-vp Eva Lot (Gondola)	07/31/97	07/31/97	<LC 2.71E-14	0.39
65	Moisture Control Area (IEM Trailer)	07/31/97	07/31/97	<LC <MDA	
66	SLAPS-vp Excavation #38 (Area)	08/01/97	08/01/97	<LC <MDA	
67	SLAPS-vp Excavation #38 (Area)	08/01/97	08/01/97	<LC 4.41E-14	0.63
68	SLAPS-vp Excavation #39 (Area)	08/01/97	08/01/97	<LC <MDA	
69	SLAPS-vp Excavation #39 (Area)	08/01/97	08/01/97	<LC <MDA	
70	SLAPS-vp Eva Lot (Gondola)	08/01/97	08/01/97	<LC <MDA	
71	SLAPS-vp Eva Lot (Gondola)	08/02/97	08/02/97	<LC <MDA	
72	Moisture Control Area (IEM Trailer)	08/02/97	08/02/97	<LC <MDA	
73	SLAPS-vp Excavation #38 (Area)	08/04/97	08/04/97	<LC 4.85E-14	0.69
74	SLAPS-vp Excavation #38 (Area)	08/04/97	08/04/97	<LC 1.72E-14	0.25
75	SLAPS-vp Excavation #39 (Area)	08/04/97	08/04/97	<LC <MDA	
76	SLAPS-vp Excavation #39 (Area)	08/04/97	08/04/97	<LC 4.58E-14	0.65
77	SLAPS-vp Eva Lot (Gondola)	08/04/97	08/04/97	<LC 2.14E-14	0.31
78	Moisture Control Area (IEM Trailer)	08/05/97	08/05/97	<LC 3.87E-14	0.55
79	SLAPS-vp Excavation #38 (Area)	08/05/97	08/05/97	<LC <MDA	
80	SLAPS-vp Excavation #39 (Area)	08/05/97	08/05/97	<LC <MDA	
81	SLAPS-vp Excavation #39 (Area)	08/05/97	08/05/97	<LC <MDA	
82	SLAPS-vp Eva Lot (Gondola)	08/05/97	08/05/97	9.20E-14	1.31

*10%DAC Requires Airborne Postings

*50%DAC Requires Respirators

*Th230 DAC 7E-12 uCi/ml

*LC Indicates Critical Level (Th230)

*MDA Minimum Detectable Activity

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#	Location	Start Date	Stop Date	Activity ($\mu\text{Ci}/\text{ml}$)	%DAC
83	Moisture Control Area (IEM Trailer)	08/05/97	08/05/97	<LC 7.35E-14	1.05
84	SLAPS-vp Excavation #38 (Area)	08/06/97	08/06/97	<LC <MDA	
85	SLAPS-vp Excavation #38 (Area)	08/06/97	08/06/97	<LC <MDA	
86	SLAPS-vp Excavation #39 (Area)	08/06/97	08/06/97	<LC <MDA	
87	SLAPS-vp Excavation #39 (Area)	08/06/97	08/06/97	<LC 5.19E-14	0.74
88	SLAPS-vp Eva Lot (Gondola)	08/06/97	08/06/97	<LC <MDA	
89	Moisture Control Area (IEM Trailer)	08/06/97	08/06/97	<LC 3.89E-14	0.56
90	SLAPS-vp Excavation #38 (Area)	08/07/97	08/07/97	1.10E-13	1.57
91	SLAPS-vp Excavation #38 (Area)	08/07/97	08/07/97	<LC <MDA	
92	SLAPS-vp Eva Lot (Area)	08/07/97	08/07/97	<LC 1.22E-14	0.17
93	Moisture Control Area (IEM Trailer)	08/07/97	08/07/97	<LC <MDA	

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Data Evaluation Findings

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SL-1251

OO-2338

Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for the St. Louis Site, Missouri

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U.S. Department of Energy

