EG&G MOUND-25-02-10-01--9511150016

Environmental Restoration Program

OPERABLE UNIT 5
OPERATIONAL AREA PHASE I INVESTIGATION
AREA 22 FIELD REPORT

MOUND PLANT
MIAMISBURG, OHIO

VOLUME II - APPENDICES A-D

June 1995

Final (Revision 1)

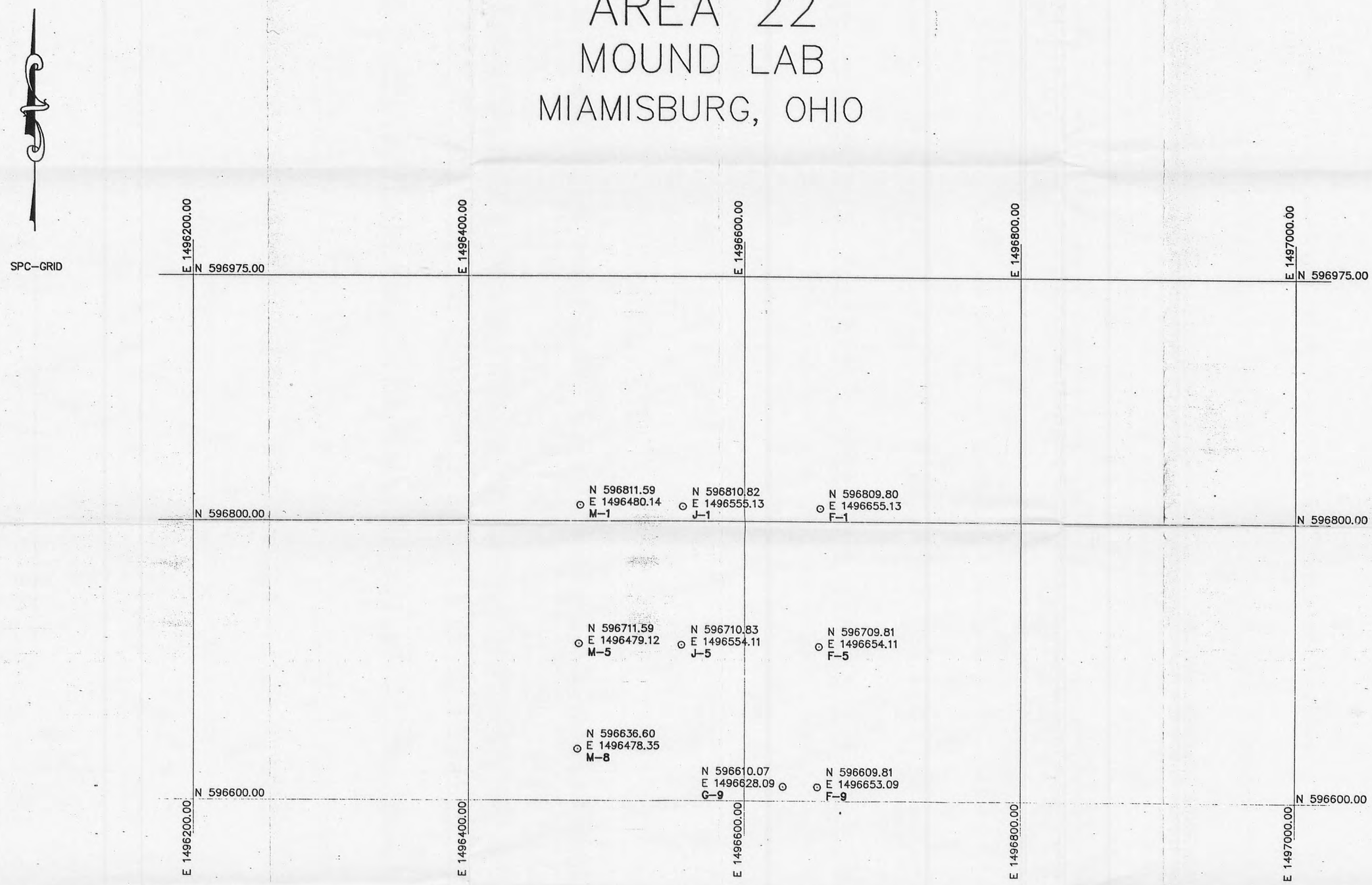
U.S. Department of Energy
Ohio Field Office

EG&G Mound Applied Technologies

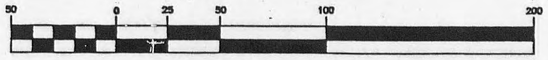
APPENDIX A

SURVEY MAPS

AREA 22
MOUND LAB
MIAMISBURG, OHIO



GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

APPENDIX A

PLATE 1 SURVEY MAP
OHIO STATE PLANE COORDINATE SYSTEM

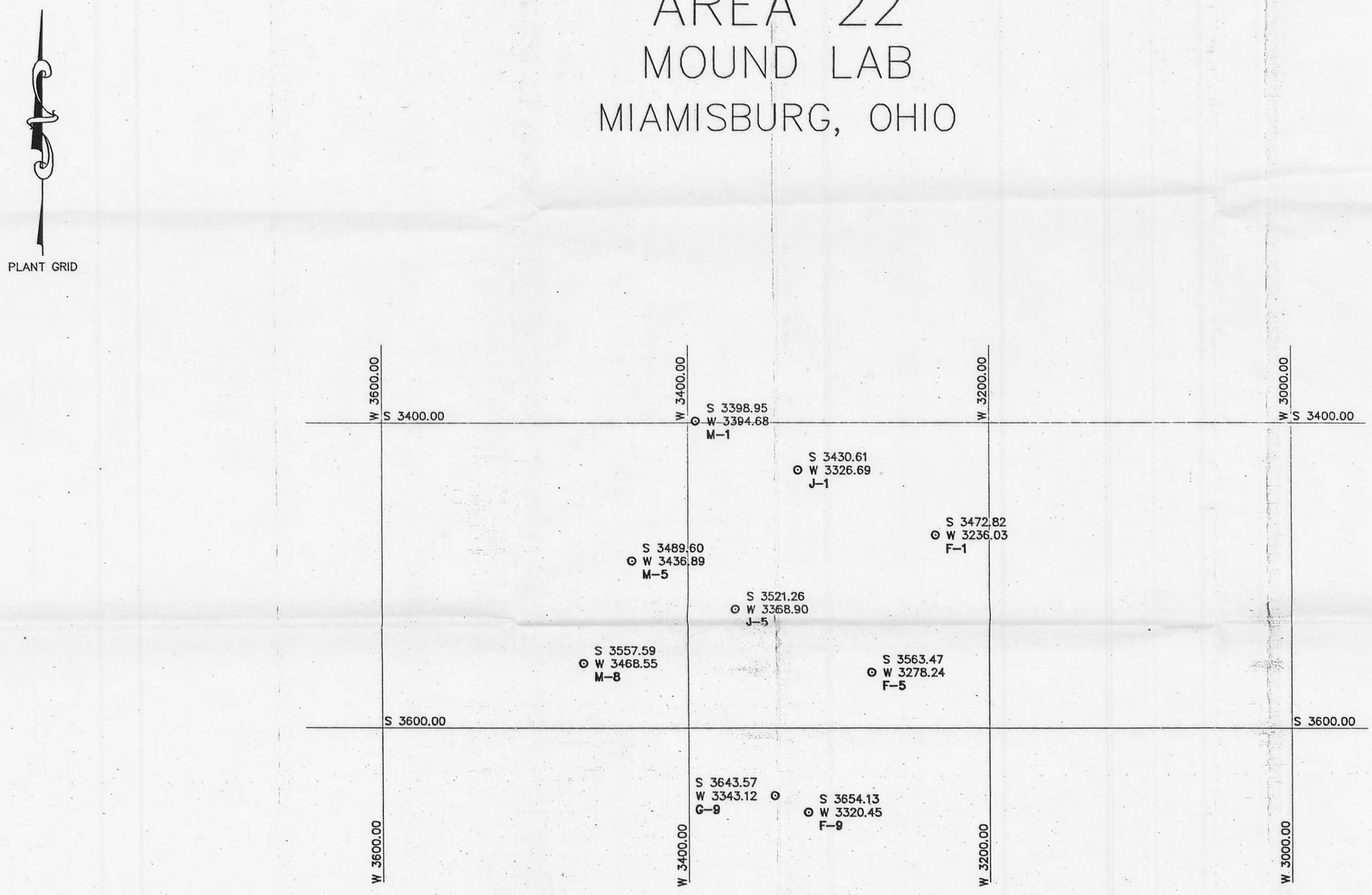
LEGEND

⊙ LOCATED POINT A-1 GRID LOCATION

Shaw Weiss & DeNaples
Engineers & Environmental Scientists
14 West First Street • Dayton, Ohio 45402

SCALE 1"=50'	DRAWN SBM	CHECKED JPH
DATE 7/11/94	JOB NO. L2952	

AREA 22
MOUND LAB
MIAMISBURG, OHIO



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

APPENDIX A

PLATE 2 SURVEY MAP
MOUND PLANT COORDINATE SYSTEM

LEGEND

⊙ LOCATED POINT A-1 GRID LOCATION

Shaw Weiss & DeNaples
Engineers & Environmental Scientists
14 West First Street • Dayton, Ohio 45402

SCALE 1"=50'	DRAWN SBM	CHECKED JPH
DATE 7/19/94	JOB NO. L2952	

APPENDIX B
FIELD LOGBOOKS

EG & G MOUND

OU5

SITE MANAGER LOGBOOK

OPS AREA PHASE I

NEW PROP EXTND PHASE

Russ Tussings 4800 1400

SITE MANAGER LOG BOOK

PROJECT TITLE: EG&G MOUND OU5 OPERATIONAL AREA PHASE I RI/FS FIELD INVESTIGATIONS

WORK SITE: *MOUND PLANT*
Miamisburg, Ohio
OU5 New Property

ACTIVITY: *Mound OU5 OPERATIONAL AREA Phase 1 RI/FS Field Investigations*

CONTRACT #: *BOA 52264*
TASK ORDER: *34896*

PROJECT MANAGER: *Thomas Tank*
COMPANY NAME / ADDRESS: *Science Applications International Corporation*
4031 Colonel Glenn Hwy ,Dayton, Ohio 45431
TELEPHONE NUMBERS: *(513) 429-2699*

SUPERVISORS: *OU5 Manager: Alan Spesard (513)865-3859*
SAIC Proj. Manager: Thomas Tank (513)429-2699

EMERGENCY RESPONCE: *Police / Ambulance / Fire 911 or 865-4040*

PROCEDURES: *SOP 1.1*

START DATE: 5/11/94
END DATE:

TABLE OF CONTENTS: SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 PROJECT NO: 34896

PAGE	FIELD LOG		PAGE	FIELD LOG	
1	TASK TEAM ACTIV. SHEET	5/11/94	31	TASK TEAM ACTIV. SHEET	6/16/94
2	"	5/12/94	32	"	"
3	"	5/16/94	33	"	6/20/94
4	"	5/17/94	34	"	6/21/94
5	"	5/18/94	35	"	"
6	"	5/19/94	36	"	6/22/94
7	"	5/23/94	37	"	"
8	"	5/23/94	38	"	"
9	"	5/24/94	39	"	6/23/94
10	"	5/24/94	40	"	"
11	"	5/25/94	41	"	"
12	"	5/26/94	42	"	6/27/94
13	"	5/26/94	43	"	"
14	"	5/31/94	44	"	"
15	"	6/1/94	45	"	6/28/94
16	"	6/1/94	46	"	"
17	"	6/2/94	47	"	"
18	"	6/2/94	48	"	6/29/94
19	"	6/6/94	49	"	"
20	"	6/7/94	50	"	"
21	"	6/8/94	51	"	6/30/94
22	"	6/9/94	52	"	"
23	"	6/13/94	53	"	"
24	"	"	54	"	7/5/94
25	"	6/14/94	55	"	"
26	"	"	56	"	7/6/94
27	"	"	57	"	"
28	"	6/15/94	58	"	7/7/94
29	"	"	59	"	"
30	"	"	60	"	"

TABLE OF CONTENTS: SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 PROJECT NO: 34896

PAGE	FIELD LOG	PAGE	FIELD LOG
61	TASK TEAM ACTIV. SHEET; 7/8/94	91	TASK TEAM ACTIVITY SHEET; 8/2/94
62	" ; 7/11/94	92	" ; 8/3/94
63	" ; "	93	" ; 8/4/94
64	" ; 7/12/94	94	" ; 8/8/94
65	" ; 7/13/94	95	" ; 8/9/94
66	" ; "	96	" ; 8/10/94
67	" ; 7/14/94	97	" ; 8/11/94
68	" ; "	98	
69	" ; "	99	
70	" ; 7/15/94	100	
71	" ; 7/18/94	101	
72	" ; "	102	
73	" ; 7/19/94	103	
74	" ; "	104	
75	" ; 7/20/94	105	
76	" ; "	106	
77	NEW PROP. GEOTECH. SAMPLE SUMMARY	107	
78	"	108	
79	"	109	
80	NEW PROP DRILLING - MULTIPLE HOLE SUMMARY	110	
81	TASK Team Activity Sheet; 7/21/94	111	
82	" ; 7/22/94	112	
83	" ; 7/25/94	113	
84	" ; "	114	
85	" ; "	115	
86	" ; 7/26/94	116	
87	" ; "	117	
88	" ; 7/27/94	118	
89	" ; 7/28/94	119	
90	" ; 8/1/94	120	

TABLE OF CONTENTS SITE MANAGER LOGBOOK

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TASK AC110114

TABLE OF CONTENTS: SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 PROJECT NO.: 34896

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181		211	
182		212	
183		213	
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191		221	
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194		224	
195		225	
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207		237	
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TABLE OF CONTENTS: SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 PROJECT NO: 34896

TASK ACTIVITY

PAGE	FIELD LOG	PAGE	FIELD LOG
241	TAILGATE SAFETY FORM; 5/11/94	271	TAILGATE SAFETY FORM; 7/6/94
242	" ; 5/12/94	272	" ; 7/12/94
243	" ; 5/16/94	273	" ; 7/13/94
244	" ; 5/17/94	274	" ; 7/14/94
245	" ; 5/18/94	275	" ; 7/18/94
246	" ; 5/19/94	276	" ; 7/21/94
247	" ; 5/23/94	277	
248	" ; 5/24/94	278	
249	" ; 5/25/94	279	
250	" ; 5/26/94	280	
251	" ; 5/31/94	281	
252	" ; 6/1/94	282	
253	" ; 6/2/94	283	
254	" ; 6/6/94	284	
255	" ; 6/7/94	285	
256	" ; 6/8/94	286	
257	" ; 6/9/94	287	
258	" ; 6/13/94	288	
259	" ; 6/14/94	289	
260	" ; 6/15/94	290	
261	" ; 6/16/94	291	
262	" ; 6/20/94	292	
263	" ; 6/21/94	293	
264	" ; 6/22/94	294	
265	" ; 6/23/94	295	
266	" ; 6/27/94	296	
267	" ; 6/28/94	297	
268	" ; 6/29/94	298	
269	" ; 6/30/94	299	
270	" ; 7/5/94	300	

TABLE OF CONTENTS: SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 PROJECT NO: 34896

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301		331	
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311		341	
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TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 1

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 5/11/94 TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	SAIC	BERNARD KIENOW	SIMON, WEISS, DENNIPLES
ERIC SAYLOR	SAIC	ART TURPIN	
EVELYN MEAGHER-	SAIC	JEFF KUNKA	
		JOHN HALEY	

Narrative (include time and location):

@ Mound Post 2 @ 0700. ES, EM & Survey crew attend Mound orientation. JD to trailer to prep for briefing and first day of clearing/staking.

0800 Begin briefing

0900 Complete briefing. Out to Post 2 (grid point 050) to get surveyors started. Joyce Geisler on site. Find error on site map; 1W on map is really 0W, 2W = 1W, etc. Put in a few pins in SE corner by Post 2. Surveyors leave site to cut pins in half

1200 Break for lunch.

1300 Return fm. lunch. Per K. McMahan, surveyors can have their 2-way radios on site w/o permit. KM will try to be onsite tomorrow morn. Continue working in SE corner on North lines 1-6. Surveyors leave about 1500 to pick up equip. @ trailer. Logbook entries. Prep for tomorrows work.

Last entry

Daily Weather Conditions: A.M. cool, clear, sl. hazy, 45°F

P.M. cloudy, windy, 65°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. Z.

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 5/12/94 TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	(SMC)	BERNARD KIENOW	(SWD)
ERIC SAYLOR	(SMC)	ART TURPIN	(SWD)
EVELYN MEALHER	(SMC)	JEFF KUNKA	(SWD)

Narrative (include time and location):

0700 @ trlr @ 0700. Conduct Tailgate briefing. K. McMahan onsite briefly. Says that 2-way radio and phones are completely unrestricted. Discuss work plans w/ SWD. They will work to the water tower then west off the hill. Prep equipment. build weedwacker

0815 At site w/ SWD. Continue working in SE corner of OU5. Identify several HP and restricted zones.

1200 Break for lunch. T. Tank on site

1245 Back fm lunch. SWD have truck problems (yesterday also); they return to site around 1400. Move to SW corner of OU5 - heavily vegetated.

1730 Back to trailer, clean up, prep equip. for Monday.

1800 Offsite - EOD

Last entry

Daily Weather Conditions: A.M. Clear cool calm 45°F

P.M. Warm, sunny 75°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/16/94 MON TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	(SMC)	BERNHARD KIENOW	(SWD)
ERIC SAYLOR	↓	ANT TURPIN	↓
EVELYN MEALHER		JEFF LUNKA	

Narrative (include time and location):

@ tele @ 0700. Prep equip. Conduct Tailgate meeting. Discuss days activities; SWD will try to work on NONAOC grid by Area 13 to establish control. ES & EM will continue cutting 3N line. JD in tele doing paperwork.

0800 @ site. Work on 2N & 3N line around 16W. Also work in NE corner of site.

1200 Break for lunch

1230 Continue cl. 16W line clearing so SWD can put in points & at angles.

NOTE: JD prepared forms, drop off 2 wk look ahead to J Wisler. JD off site @ 1230.

1800 Back @ tele (ES, EM). Prep for tomorrow. off site @ 1815

Last Entry

Daily Weather Conditions: A.M. clear cool & calm 50°F

P.M. Same warming to 70°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK p. 4

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 5/17/94 TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	(SMC)	BERNIE KIENOW	(SWD)
ERIC SAYLOR	↓	ART TURPIN	↓
EVELYN MEAGHER		JEFF KUNKA	

Narrative (include time and location):

0700 @ trailer. Conduct Tailgate Safety Mtg. J. Cusler on site. She doesn't want us working N. of Area J in D&D zone until she talks w/ HP. Discuss work plan will continue cutting 16W line.

0800 @ site.

0830 Mike O'Donoghue & Roy Mowen @ trl. Discuss HP coverage. Will schedule HP coverage for A22 first of next week - will use Jeff Tackett. Re D&D: they say we're OK here as long as we stay out of red rope.

- Continue working in SW corner on lines 5N, 6N, 7N, 8N mostly clearing.

1200 Break for lunch

1230 Back from lunch. Start cutting on 9N from 6W to give surveyors control.

NOTE: JD offsite @ 1630

1800 Back to trl (ES, SM). EOD

LAST ENTRY

Daily Weather Conditions: A.M. Clear cool breezy 50°F

P.M. Same, warming to 60°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.5

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/18/94 TIME: 07 00 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	SAIC	BERNARD KIENOW	SWD
ERIC SAYLOR	↓	ART TURPIN	↓
EVELYN MEAGHER		JEFF KUNKEL	

Narrative (include time and location):

0700 @ t/r. Conduct Tailgate Meeting. Discuss days work orders. JD works on SWD maintenance.
NOTE: J. Geisler on site @ 0800. Updates her map. JD tells her about HP mtg yesterday - she concurs.
0800 @ site. Work in area mound area J chains on 19N and 9N
NOTE: JD offsite @ 1200. Drop off chains @ Miamisburg for sharpening. Call R. Tusing to set up security escort for tomorrow.
1200 Break for lunch
1230 Continue working mound area J.
1700 Back to t/r. Prep for tomorrows activities.
1730 Offsite

Last Entry

Daily Weather Conditions: A.M. Sunny breezy, 50°F

P.M. Same. warming to 65°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGB
P. 6

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO.: 34896

Date (mm/dd/yy): 5/19/94 TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	SAIC	BERNARD KIENOW	SWD
ERIC SMYLOR	↓	ART TURPIN	↓
EVELYN MEAGHER		JEFF KUNKA	

Narrative (include time and location):

0700 @ site. (HR). Load truck w/supplies

0730 Meet guards @ Bldg 23 by Area 13. SWD surveys around Bunkers e

Note: @ 0900 JD leaves site to Attend New Prop. Extended Phase kickoff Mtg @ OSE Bldg.

1130 Left Bunker area w/guards.

1200 Break for lunch

1400 JD meets K. McMahan and Hoppy? Out to A21 to try to define boundary. Find center of bunker but can't find perimeter due to hvy vegetation and lack of deep soil on surface. Fidler readings 10-15K above background in bunker area. KM suggests that to properly define boundary, its necessary to do subsurface soil samples w/ appropriate PPE and HP support. which is not in our scope of work.

1500 JD walks lines in thru 7N (West half). Some cutting on GN. Contact Tim Pedro and put Sharon Kreitemeyer on Access List, Orientation for Monday.

Last Entry

Daily Weather Conditions: A.M. Cool, breezy clear 50°F

P.M. Some clouds 60°F

Recorded By [signature] QA Checked By Laura M. Madison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P7

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/23/94 MON TIME: 07 00 PAGE 1 OF 2

Task Team Members:

JOHN DAVIS	SAIC	BRAD RICHARDSON	SAIC
EVELYN MEALHER	↓	CHRIS HALLEY	↓
SHARON KREITMEYER	↓	BERNARD KIENOW	SWD
		ART TURPIN	↓
		JEFF KUNKA	↓

Narrative (include time and location):

0700 @ trailer. Prep equipment.

0730 give orientation to SK, BR, CH. Do Tailgate Safety meeting. Arrange crews; BR & CH working on lines 2N-7N; EM, SK w/ surveyors in Area 22. JD calls HP & arranges for HP coverage in A22. K. McMahon on site; says they will collect soil spls in A21 to determine hazard, then suggests we stake/clr as planned. J. Geisler on site; updates her map, disc. permitting. JD tells her will do all stake/clr before 6/13, then will do field investigations.

NOTE: JD offsite @ 0930.

1130 Brad R. & Chris H. back at trailer; between 9:15-11:30 Chopped 4N Line between 15 W and 19 W; Also staked these locations

5/23/94 1700 This afternoon we staked 1N 23W, 5N 17W, 5N/3W, 6N 17W and points along 6N Line from 11W to 15W. Then we chopped 14N Line from 10W to 13W.

1715 Cut surveyors line-of sights in Areas 22 + 21 this morning + afternoon.

Daily Weather Conditions: A.M. SI overcast, 65°F, humid

P.M. Mostly sunny, 88°F, humid, breeze 5-10 mph

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

P-8

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 5/23/94 TIME: 10:00 PAGE 2 OF 2

Task Team Members:

John Davis	SAIC	Brad Richardson	SAIC
Evelyn Meagher Hartzell	↓	Chris Holley	↓
Sharon Kriedemeyer	↓	Bernard Kienow	SWD
		Art Turpin	↓
		Jeff Kunka	

Narrative (include time and location):

1000 Health Physics arrived at Area 22 to let us into the area (Sharon & Evelyn). The HP representative was Henry Robinson. He gave us brief instructions, including: 1) do not dig in the dirt, 2) do not place stakes in the ground then move them 3) do not stay in the area any more than necessary, especially on the mounds of dirt. He explained that the area contained buried debris, including cobalt, that was giving off some gamma rays. We were told that we didn't have to wear the rubber boots as long as we rinsed our boot after leaving the area. He gave us permission to enter the area unaccompanied during the day.

LMT Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By EVELYN MEAGHER QA Checked By

8/15/94

TASK TEAM ACTIVITY LOG SHEET

P.9

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/24/94 TUES TIME: 0700 PAGE 1 OF 2

Task Team Members:

JOHN DAVIS	SAIC	EVELYN MEACHER	SAIC
BRAD RICHARDSON	↓	SHARON KREITHMEYER	↓
CHRIS HALLEY	↓	BERNARD KICNOW	SWD
		ART TURPIN	↓
		JEFF KUNICA	↓

Narrative (include time and location):

0700 w/ tlr. Prep for days activities. Tune status. Conduct safety mtg.

0730 Surveyors to Bldg 49 to meet Security; JD left message w/ Russ Tusing yesterday for escorts. EM & SK to A22 to cut lines; JD, BR, CH to AJ to stake, cut lines. NOTE: J. Geisler w/ tlr. Discuss intrusive permitting in Ops Area. JD gives JG Activity sched. JG will permit in "blocks", prob. starting in SE corner and permitting 400x400' blocks. JG says she's getting swamped. JD asked to stake KC borings in A2 so she can permit those.

1700 Brad and Chris team back. Today in Area J Staked J-A-13 thru J-E-1; J-F-13 thru J-F-5; and J-G-13 thru J-G-9; Cut lines down hillside on west side of Area J. (along 13, 12, 11, 10, 9, 8, 7 and part of 6 where I encountered alot of poison ivy. For the surveyors we chop 21-A-4 thru 21-A-1; Also chopped 13-A-3 thru 13-A-6.

Daily Weather Conditions: A.M. OVERCAST, MUGGY, 75°F

P.M. Partly Sunny, Scattered Showers, 85°F, Wind 15-20 mph W

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P.10

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 5/24/94 TIME: NA PAGE 2 OF 2

Task Team Members:

Brad Richardson — Sharon Krietemeyer

Chris Halley

Evelyn Meagher-Hartzell

Narrative (include time and location):

continued: Safety Officer, Eddie Magness gave us a safety visit. Also a maintenance man said that there will be work done on the H_2O tower next month and that they will be cordoning-off a portion of Area J.

morning

Sharon + Evelyn worked in Area 20 again. This time Health Physics sent Roy + Jeff, who wanted to check us each time we left the area. They were not concerned about us going between the area and the truck, but ~~they di~~ Jeff did check our boots + hands with the FIDLER when we left for lunch. Had difficulties starting the chainsaw most of the morning.

1230 After lunch, ~~the~~ Evelyn + Sharon's chain saw would not start. Worked on it until about 2:30, when Greg got it running but not very well. Evelyn made arrangements to get it worked on + took it to be serviced. Sharon stayed in Area J.

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By [signature]

8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 11

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/25/94 TIME: 07 00 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS
BRAD RICHARDSON
CHRIS HALLEY
EVELYN MEAGHER
SHARON KREITMEYER

Narrative (include time and location):

0700 @ t/R. Surveyors not here today. Conduct Tailgate Briefing. Assign work; BR & CH to A22, EM, SM to A22. JD to town to pick up chains etc.

1500 Brad & Chris chopped and cleared Line M in Area J Between 7 & 1. Then up to Area 21: Staked perimeter From A-1 to A-7 to J-7 to J-1; then Chopped Lines I & H; started chopping Lines G & F (continued tomorrow). Leave for meeting @ Dayton Off.

0730 Sharon & Evelyn cleared & staked in Area 22. Jeff from H&P checked our hands & boots for radiation before lunch (1130) & after we finished Area 22 (1300).

1500 Sharon & Evelyn staked in Area J.

1600 Evelyn left site to ~~drop~~ JMD 5/25/94 pick up chainsaw

1730 Sharon left site to go home

LAST ENTRY

Daily Weather Conditions: A.M. overcast, sl. rain, then clearing 70°F

P.M. SAME, warming to 75°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.12

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/26/94 TIME: 0700 PAGE 1 OF 2

Task Team Members:

Brad Richardson
Chris Halley
John Davis
Evelyn Meagher-Hartzell
Sharon Krietemeyer

Narrative (include time and location):

0730 - On Site; Surveyors here today, Conduct Health and Safety briefing. Assign work BR & CH clearing on Area 21; EM & SK going w/ security to access - sensitive areas.

1040 - Brad & Chris back @ trailer. From 8:00 to 8:30 chopped Lines 6 & F and started on E in Area 21; Surveyors asked us to chop lines 1 & 5 in Area J; At 9:30 we were done chopping line 5 when Chris said that he had cut his finger: Chris' narrative on the event: Was clearing sides of excess brush. Laid machette to the side to pull branches down. Lost balance and placed hand down to stop fall. Machette cut through glove and finger (right index finger). Took off to hospital. Realized cut was not that bad. Washed cut out at home and applied sterile gauze. No problem.

Sharon & Evelyn met security @ 0730 & ~~stacked~~ emt staked in fence-in secure areas til 1130

Daily Weather Conditions: A.M. Mostly Cloudy, 55°F, Wind 10-15 NNW.

P.M. NA

Recorded By Brad Richardson QA Checked By [illegible]

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 13

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/26/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

11:30 Sharon & Evelyn Lunch

1650 Back @ Trailer. Finished Lines A B C D & E in Area 21 [not staked yet. Next week can finish staking Area 21 then ~~run~~ ABA 5/26/94 chop in other direction]

1230 - Staked in secure areas w/security escorts until 1700 (Sharon & Evelyn)

1730 left site (Sharon & Evelyn)

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. Mostly sunny, 65°F, Wind 10-15 NNW

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.14

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 5/31/94 TUES TIME: 07 00 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	SAIC	SHARON KLEINHOLZER	SAIC
CHRIS HALLEY	↓	BERNARD KICNOW	SWD
EVELYN MEACHER	↓	ANT TURPIN	↓
		JEFF KUNKA	↓

Narrative (include time and location):

0700 @ trailer. Conduct Tailgate mtgs. Discuss work plans. J. Geisler on site: says SWD can go to Bldg 27 (explosives) but must be done by 9:00. SWD expects to finish today.

- Note: JD expecting Tim Bohmer for Bowker-Morner today but no-show.
- Note: Chris Halley off site @ 0800.

EM & SK will work closely w/ surveyors so they have all cutting they need.

0800 On site EM, SK near A3, then move to A21 to finish clearing/staking. CH back on site around 930. JD & CH stake A7 (soil gas) and boreholes.

1200 Both crews @ t/k for lunch

1300 Continue work. EM & SK back to A21. CH off site again. JD to A7 to continue staking. Note: K. McMahan out till 6/14

Note: Surveyors done work. Off site @ approx 1030A.

1700 All back @ trailer to clean up. Off site @ 1730.

LAST ENTRY

Daily Weather Conditions: A.M. Clear, Cool, Calm, 50°F

P.M. Sunny, Warming to 70°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 15

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/1/94 TIME: 07:00 PAGE 1 OF 2

Task Team Members:

JOHN DAVIS	SAIC	SHARON KREITEMEYER	SAIC
EVELYN MEACHER	↓	BRAD RICHARDSON	↓
CHRIS HALLEY			

Narrative (include time and location):

0700 @ HE. Prep equip. for day. Conduct Tailgate Mtg. J. Geisler on site; discuss util. clearances; Rod will start permitting today in SE corner. For Monthly Safety Report: CH's cut finger is NOT OSHA reportable.

0830-0930: JD takes Tim Boehmer to A7 to look @ borehole locs. All look OK if hole in HP area is on Road. Then to New Property. TB wants to scrape 1rd fm Benner Road, across creek, into meadow, and to Powerline Rd. Also scrape perimeter fence road. Also Hole in Fence Road. All locs OK except B401 needs to be moved inside fence, B405 to Powerline Road.

0800 SK + EM to Area 21 to clear.

1115 SK + EM off site for lunch

1200 SK + EM back onsite. Went to Area 13 to stake and clear.

1430 ~~0230~~ EM slipped on steep hill. SK She hit a stump (~1" diameter), which knocked her visor up + poked her in the eye. SK drove her to the emergency room. The doctor said she had three scratches SK on her cornea SK but ~~had not~~ SK did not appear to have pierced the eye. The

Daily Weather Conditions: A.M. Warm + Sunny, ~75°F

P.M. Warm + Sunny, ~80°F

Recorded By Sharon Kreitemeyer QA Checked By [illegible]

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.16

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 6/1/94 TIME: NA : PAGE 2 OF 2

Task Team Members:

John Davis
Sharon Krietemeyer
Evelyn Meagher
Brad Richardson
Chris Halley

Narrative (include time and location):

doctor gave her antibiotic eye drops and patches and released her.

1600 JK - EM + SK ~~returned~~ JK returned to site.

1615 EM left the site for the day.

1700 SK left the site for the day.

1700 BR & CH clearing on Area J hillside all day. Poison Ivy was very thick; wore Tyvek suit which slowed down work rate Did Lines 1, 2, 3, 4, 5.

1705 BR & CH left site

LAST ENTRY

Daily Weather Conditions: A.M. See previous page

P.M. " " "

Recorded By Sharon Krietemeyer QA Checked By JW

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.17

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/2/94 TIME: 07 00 PAGE 1 OF 2

Task Team Members:

JOHN DAVIS — Chris Halley

SHARON KRIETEMEYER

Brad Richardson

Narrative (include time and location):

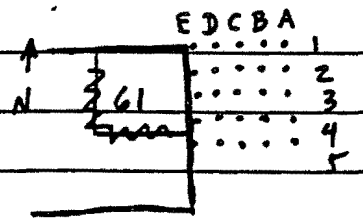
0700 @ t/a. Conduct H&S Mtg. Work assignments; SK, BR, & CH will all work together. Finish stake AJ, then to 3/SDB.

- NOTE: J. Geisler on site. JD discusses clearances. Informs JG of 6/13 start for soil gas and drilling in New Prop; 6/20 start for A7 drillings; 6/8-6/9 dozer work in New Prop. Arrange to meet him 10:30A Monday.

- NOTE: per disc. btwn Tom Trank & Alan Spreand

1) In wooded AOCs w/ difficult access - no FIDLER (which eliminates need for bi-directional lines); specifically hill-side of AJ, all of A21, and wooded portions of A22. Also applies to wooded area of A13

2) Place a 100' x 100' grid w/ 25-ft centers w/ Bldg 61.



JD completes forms for J. Geisler & drops off. Finishes locating A7 holes.

Daily Weather Conditions: A.M. sl. cloudy, cool, & breezy.

P.M. same

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.18

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/2/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

1100 K. McMahon ONsite talking about details of injury incident. J. Davis offsite.

1100 SK, BR, + CH not able to do line 16 because no HP person was available

Chopped + staked line 15 N, staked 15N 7W.

Chopped 14N + staked 14N 7W to 14N 13N.

Chopped a little on line 10N.

1630 SK off site.

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Marsden 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.19

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/6/94 MO TIME: 0730 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS — MATT OBLOY.
BRAD RICHARDSON
CHRIS HALLIEY

Narrative (include time and location):

0730 Onsite. Some delay due to some required regional soil work. J. Geisler onsite - wants medical update on Evelyn. Discuss clearances - no word yet from A. Spessard regarding blanket approval for soil gas emplacement. Conduct H&S briefing.

0830 BR, CH, MO to Area 3/SDB to begin staking there. JD to HP Bldg to discuss coverage for dozer work in New Property. Talk w/ Roy Mowen; tell him dozer work on Lord & Thomas - his only concerned w/ contamination in Area 1. Discuss scheduling - tell him New Property drilling to start 6/13 w/ 2 rigs and soil gas survey in Ops Area to start 6/14. He thinks they might not be able to provide HP coverage for all.

1030 JD meets J. Geisler in A7 - show her the 15 A7 boring locations. Then stake Bldg 61 100' x 100'.

1200 JD offsite.

1100 BR, MO, & CH staked most of Area 3; It began to storm at 1400 and continues now.

LAST ENTRY

Daily Weather Conditions: A.M. Sunny / Mostly Cloudy 78°F, West Wind
P.M. Severe Storms 75°F, Gusting Winds

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/7/94 TIME: 0730 PAGE 1 OF 1

Task Team Members:

Brad Richardson

Chris Halley

Narrative (include time and location):

0730 Onsite; BR & CH to finish staking Area 3 and then proceed on staking SDB Area. J. Geisler on site she said in area 3, locations G15, G14, F14, E14, D14, E13 may be directly over sanitary line. In area 3 Joyce said they will try to get a variance for everything other than telephone, electric and fire lines. Also in the wooded area, when intrusive procedures begins she or Ron will be with the crews.

17:00 In morning BR & CH chopped Lines A & B & C in Area 3 and staked those lines also. In afternoon began chopping additional lines in Area J (10 foot spacing.

LAST ENTRY

Daily Weather Conditions: A.M. Sunny, 65°F, Calm

P.M. " 85°F,

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET

P.21

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/8/94 TIME: 0715 PAGE 1 OF 1

Task Team Members:

Brad Richardson
Chris Halley
Eric Saylor

Narrative (include time and location):

0715 On Site; Eric Saylor's already here. Loading up van

0735 We are set up to have a guard escort us tomorrow from 0730 - 1530 inside the security areas. First thing tomorrow morning we have to contact our escort guard throug guard post 2

0800 JOHN DAVIS ON SITE. MISC. PAPERWORK IN TRAILER, THEN to New Property to stake surface water/sediment sampling locations.

1700 BR, CH & ES left site; Today we cleared 5 more lines in Area J for the geophysical survey. Approx. 3½ more lines to clear in Area J for tommorrow. B.R. was off-site for another Project's meeting from 0830 to ~~&~~ 1930

LMT ENTRY

ATB 6/8/94

Daily Weather Conditions: A.M. Mostly Cloudy, 60°F,

P.M. " " "

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P-22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 06/09/94 TIME: 0715 PAGE 1 OF 1

Task Team Members:

A Brad Richardson — Matt Obley
Chris Halley
Eric Saylor

Narrative (include time and location):

0715 B.R. & E.S. on site.
0730 CH on site; B.R & E.S will go back to Area J and finishish clearing the geophysical lines. CH and M.O will go around w/ security and finishin staking w/in secure areas.
0800 J Geisler says there are some points near Area 7 and Area 3/SDB that will have to be move due to utility.
0830 CH + MO to stake secure areas 7; SM/PP; and 13 BR + ES to finish geophysical lines in Area 1. (12N15-1
1200 Lunch
1245 CH + MO to Area 3/SDB to stake. BR + ES to stake and finish Area 3.
245-315 To Walmart for supplies (paint, bar oil, etc) CH + M
0315 Both crews at Area 3/SDB to finish staking/c
last entry

Daily Weather Conditions: A.M. Mostly Sunny 60°F, Calm
P.M. " " 80°F, Slight wind

Recorded By A Brad Richardson QA Checked By

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.23

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 06/13/94 TIME: 0715 PAGE 1 OF 2

Task Team Members:

Eric Saylor, Mike Klidjecz, Mark Howard, Bonner-Monroe Crew
Chris Halley, Martha Cramer, Joletta Humpert
John Davis, Mike Monroe

Narrative (include time and location):

0730 ES, BH + JD on site.

0745 Rest of SAIC crew and Bonner-Monroe attend Contractor Orientation and a H/R. JD gives site orientation briefing. See H&S Tailgate mtg form.

0930: dozer operator to New Prop via Bonner Road - starts working on South part of property. Tim Boehman of B-M back to yard to pick up hydropunches. SA

SAIC crews established:

Susan Austin, Martha Cramer: Cable tool

Mike Klidjecz, Eric Saylor: HSA

Mark Howard, Mike Monroe: Soil Gas.

Crews reading procedures, prepping for drilling. Waiting on fedx delivery from office.

- Per phone call fm Tom Tank: OK to do dozer work on Perimeter Road. Wells 397 & 398 sited OK. Ok to doze a 10'x10' site.
- Blanket approval for soil gas for sanitary, sewer, water.

Other notes & intent:

per T. Tank; if its necessary to skid rig to collect a sample, decon of augers not necessary.

per Roy Mowen, excavation permit needs to be posted on rig.

Daily Weather Conditions: A.M. Sunny 70°F Calm

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/13/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

Also per Roy Mowen, last sample of day needs to be a SSF @ 3:45 - HP quit @ 4:30.

per J. Geisler; cable on HSA is smashed - needs replacement before drilling. Cones need to go in road around 399 location.

per Hr Sm A. Spesard; - excavate as necessary on perimeter road w/ Bldg 21 culvert w/ HP coverage. R. Mowen there @ 1400 so dozer can do that work.

per J. Geisler; HP is off @ 430 No exceptions. HSA came up steep road - Not allowed

- No drill start today due to lack of procurement. Field crews to Rentze place for hammer and generator (hammer too small), crew to Meijers for misc, and Davis to Hazco (misc supplies and to change OVAs). Still missing radios, phones and other items.

6/13/94 JMD

~~1500~~ One vehicle delivered about 1130, 2nd vehicle @ 130.

1800 All crews offsite.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. humid, hot to 90°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/14/94 TIME: 0700 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS JOLETTA HUMPERT MARK ~~Mike~~ HOWARD JTD 6/14/94

Mike Klidjecz ERIC SAYLOR (HSA) Mike MONROE

SUSAN ~~AUSTIN~~ ABSTON MARTHA CRAMER (CABLE TOOL) BOWSER-MORNER CREW

JTD 8/24/94

Narrative (include time and location):

0700 all staff @ HR. Conduct HAS Meeting. Drill crews still prepping equipment. One of the OVA probes is wrong, will use Regional Soil HNU until replacement probe is found.

0830 Crews out to rigs. Waiting on drill permit for HSA

0915 Soil gas crew starts near Guard Post 2 but drill too small. Joletta will call Procurement for a larger drill. Crew to rental store for larger drill.

0945 Cable tool waiting on adaptor to drive 1st spoon for soil sample.

1035 JD delivers bailer & misc. supplies to HSA. Crew prepping to collect surface sample. Not drilling yet

1045 JD @ cable tool. Drilling. Crew has collected surf sample and is hammering to 3' to collect bedrock spl

Cable tool hit bedrock @ 3.8' @ W399. Missed sample - will skid rig and collect after well is installed.

1200 JD @ HSA. Surf. sample collected. Drilling to water table.

1200-1300 Break for lunch.

Daily Weather Conditions: A.M. hot humid clear 90°F

P.M. Same

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.26

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/14/94 TIME: NA PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

per J. Geisler; for soil gas, only first four lines have been utility-cleared (1-4N); Rod is accompanying SG crew as they install. J. Geisler thinks this will slow us down. In A7, SG Block 3 (on grassy hill) is cleared. Block 1 (N. of pond) is nearly cleared - JG moved a few locations in line 3 1-3' N. or S. - moves are acceptable.

For A7 drilling:

#1: JG moved 6'N to accept. location - OK

#2: JG moved 5'S " " - OK

#3: In leach field. Is that what we want? yes. Not cleared

#4: Not cleared

#5: loc as staked OK

#6, 7: Need to be moved.

#8, 9, 10, 11: loc as staked OK

#12, 13, 14: Not cleared

#15: In D1D area. May require additional D&D support.

1400 JD @ cable tool. Poss. water @ ≐ 20'

1430 JD @ HSA: water @ ≐ 22'. Crew collecting soil sample, then will attempt Hydropunch.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

P. 27

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/14/94 TIME: NA: PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

per T. Took; Borehole #3 goes in leach field, just make sure we miss holding tank - J. Geisler should have map.

1600 HSA finishes B401; driller is bringing appropriate equipment tomorrow to collect grab water sample; depth @ ≐ 30'

Cable tool @ ≐ 30.' Might have water. Will leave hole open overnight. If there's water in the hole in the morning, will install well @ Site Geologist discretion

1700 Crew back to trailer. Misc chores; decon, spl mgt, etc.

1800 All personnel offsite.

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 28

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

Date (mm/dd/yy): 6/15/94 TIME: 0700 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS JOCETTA HUMPERT
JEFF DEVAUGHN
SUSAN ABSTON NANATH CRAMER (CABLE TOOL)
MIKE KLIDJECZ EVELYN MEACHER (HSA)
MIKE MONROE MARK HOWARD (SC)
BOWSER - MORNER CREW

Narrative (include time and location):

0700 All personnel w/ tlr. Conduct H&S briefing.
Crews gathering equipment.
Joyce Miller w/ tlr. D&D requirements for drilling Borehole #15 in A7:

- 40 hr HAZWOPER w/ refresher & medical
- Wear rad blues & booties. (supplied by Mound)
- Rad Worker Permit (no respirator necessary)
- D&D Orientation
- 8 hr Rad II Training - computer. Mike Klidjecz & Mark Howard have it. Drillers will need it

Per Tim Bochmer (B-M); Gene Wolf needs addendum for grab water sampling. Written up per hour + equipment.
0800 Jeff DeVaughn on site. Evelyn Meacher onsite

Cable tool on standby waiting on IDM drums. They've been procured but not bar coded.
1000 JD w/ HSA. Crew purging water for screen prior to sampling. Water v. murky

Daily Weather Conditions: A.M. warm 80°F humid
P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

P.29

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/15/94 TIME: NA PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

1015 @ Cable tool. Still waiting on IDM drums. Standing water in hole @ approx 6' Bedrock @ approx 1' (can't see it in hole) So no bedrock sample (soil) collected since its the same material as the surface sample.

1100 @ Bldg 61 pick up 8 open top IDM drums. Deliver to cable tool.

1330 @ cable tool. Waiting on tremie pipe. 6" hole not big enough for stabilizers and tremie. Since procedure says stabilizers is optional, will use tremie. For next well, will probably drill an 8" hole.

1430 Start tremie #5 sand/slurry in W399.

Note: Per Tim Bochmer, A7 RCS will not be available on MON because Security not ready to support remaining Regional Soil Drilling

1500. Tremie sand and bentonite completed. Alec Berry and Alan Spesard @ Cable tool. Per A. Berry; sand slurry is required. Also, its not allowed to let water flow out of well. Per A. Spesard; A7 drilling priority is 5 holes around Bldg 29.

1530 Note: SC crew reports that hammer drill is broken

Daily Weather Conditions: A.M. NA

P.M. V. hot and humid 95°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 30

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/15/94 TIME: 0700 PAGE 3 OF 3

Task Team Members:

-NA-

Narrative (include time and location):

1700 E. Jackson delivers supplies to trailer and takes back broken equipment.

EOD summary:

HSA: B401 abandoned. Rig deconned and set up on B408.

CABLE TOOL: W399 has sand and bentonite. Will set grout tomorrow after bentonite is cured. Rig broken down ready to decon

SOIL GAS: hammer broken. Slow progress. All three samplers in for NON AOC.

1800 All personnel offsite.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Mossman 8/15/94

TASK TEAM ACTIVITY LOG SHEET

P.31

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/16/94 TIME: 0700 PAGE 1 OF 2

Task Team Members:

JOHN DAVIS JOLETTA MINARD MARK HOWARD MIKE MONROE (SG)
MIKE KLIDJECZ, ERIC SAYLOR (HSA) CHRIS HAYLEY, JEFF DEVAUCHAL (STAKE)
SUSAN ABSTON, MARTHA CRAMER (CABLE) BOWSER MORNER CREWS

Narrative (include time and location):

0715 Staff onsite. Conduct H&S Briefing. Crews prepping for days activities.

Note: per A. Spesard, he approved a verbal change order to use a screen without a packer to collect grab water samples in soil borings.

1330 Meet T. Tank, B. Stanley, A. Spesard in Area 7. Locate Boring #16. As approves 5' shift to get off utilities. As wants 4 soil gas points, 1 on each side of fuel tanks on S. end of Area 7. Also, moved Borehole #15 outside of HP rope.

EOD SUMMARY

HSA: Set up on B408. Drilled to 42.1 FBLS. H2O @ 35.5 FBLS. Surf spl & wtr table sample (soil) collected. Geotech spl @ surf collected; 1 5gal bucket and 1 Shelby tube from zone 1

SOIL GAS: Installed 11 samplers in woods (south portion) - hand auger. [AM] Installed 4 samplers. Some downtime for Mound construction.

~~CABLE TOOL:~~ Inspector. Also downtime due to equipment failure

CABLE TOOL: W399 - water in hole, bailed and recharged. Grouted to

Daily Weather Conditions: A.M. Warm humid sl hazy 85°F

P.M. Same

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

P. 32

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34

Date (mm/dd/yy): 6/16/94 TIME: NA PAGE 2 OF

Task Team Members:

NA

Narrative (include time and location):

SURFACE. Cut off well. W397 - drilled to 36', poss H_2O @ 31-36 Ft
will let sit over weekend to see if hole is making water. No
soil or water samples collected. Bedrock @ approx 1-3' FBLS.

Note: JD runs alkalinity on B401 wtr sample. Couldnt complete
2nd run - surpassed 24-hr holding time.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrisa 8/15/94

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/20/94 TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS JOLETTA MINARD ERIC SAYLOR MIKE KUDZETC EVELYN MEACHER (NP HSA)
GREG LODER JEFF DEVAULN (A7 HSA) SALLY BROWN CRAIG PATTERSON (FIDLER)
SUSAN ABSTON MARTHA CRAMER (CABLE TOOL) MIKE MONROE MARK HOWARD (SOIL GAS)

Narrative (include time and location):

0730 all personnel @ HR. Conduct HSS BRIEFING. Conduct site orientation and assign training to SB, CP.
A7 HSA set up on B1.
FIDLER crew begins equip. & site familiarization.
HAZCO delivers new OVA - old one was leaking Hz
Broadway barricade delivers flashing hiway barrels for A7.
0945 to Bldg 91 pick up 3 open top IDM drums & deliver to Cable tool. Support truck is stuck. Crew collecting soil sample. J. Minard collects ambient. Waiting to see if hole makes water.
0930 @ A7 HSA. Set up on B1. Waiting on drill permit for J. Leisler and shelby tubes for drillers.
NOTE: Village Rental delivers drill for soil gas crew.
NOTE: per Mike Donahue, may have trouble supporting all drills - HP coverage.
DAVIS off site @ 1030
FOD SUMMARY:
A7 HSA: @ 32' B1. No water or bedrock
NP HSA: Moved to B407
CABLE TOOL: Water @ W397. Setting well

Daily Weather Conditions: A.M. hot humid hazy 90°F
P.M. RAIN

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P. 34

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/21/94 TIME: 0700: PAGE 1 OF 2

Task Team Members:

JOHN DAVIS JOLETTA HUMPERT ERIC SAYLOR GREG LODER JEFF DEVAUGN (A7 HSA)
MARK ~~MONROE~~ HOWARD, MIKE ~~HOWARD~~ MONROE (SC) 6/21/94 SUSAN ABSTON MARTHA CRAMER (CABLE TOOL)
MIKE KLIDJECZ EVELYN MEALHER (NP HSA) SALLY BROWN CRAIG PATTERSON (FADLER)

Narrative (include time and location):

0730 all personnel w/ tlr. Conduct H&S Briefing. Crews prep for days activities.
- Discuss need for vehicles & another tlr w/ T. Tank. Tlr to be set up in Contract. Parking lot for storage & decon. No electricity.
0830 Call fm A7 HSA. No HP on site.
Per T. Tank; only 1/2 bucket required for all geotech samples.
0915 Cable tool support vehicle stuck w/ W397 - ATV HSA comes up to unstick it.
0930 A7 HSA has high OVA readings. Run draeger tubes; neg. on benzene, vinyl chloride. Resume drilling.
1430 w/ A7B2, driller noticed vent fm Asbestos Abatement in Bldg 29. Driller wants personal air monitor. J. Geisler contacted Indust. Hygiene - 3 filters in place but driller not comfortable. J. Geisler working w/ I.H. to see if they can supply monitoring.
w/ 1400 JD w/ Bldg 91 to pick up IDW barrels but none available.
1545 Call to Sandy Geibel - I. Hygiene:
- wants opinion on Level D clothing. "Street" clothes OK but shouldn't leave site. Coveralls required? If so, amendment to HSP.

Daily Weather Conditions: A.M. hot, hazy, humid 95°F
P.M. SAME

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P35

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/21/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NR

Narrative (include time and location):

- should exclusion zones be posted? Signs saying Do Not Enter 40 HR TRNG REQUIRED
- re Asbestos. She will set up AN AREA MONITOR by vent and will get results by Thurs. Samples analyzed inside building are below background. Activities inside bldg include wall & floor washing not Asbestos removal per se.

EOD SUMMARY

CABLE TOOL: set up on W398. Drilled to 23'. Dry

NP HSA: completed B407 to TD 13.5 Dry. Decomm'd.

OA HSA: completed B2. TD @ ≐ 7' Hole grouted

FIDLER: 1 FIDLER down; otherwise good progress

JMD 6/21/94 ~~SOIL GAS~~: 1N, 2N lines completed. Portions of 3N, 4N completed

SOIL GAS: Good progress

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NR

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P.36

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/22/94 TIME: 0715 PAGE 1 OF 3

Task Team Members:

John Davis, Joletta Humpert, Eric Saylor, Greg Loden, Jeff Donaughen (OAHSA), Susan Alston, Martha Cramer (Cable tool), Mark Howard, Mike Monroe (SL), Mike Klidzejs, Evelyn Mercher (NPHSA), Craig Patterson, Sally Brown (FIDUCI)

Narrative (include time and location):

0715 All personnel on site. Low on OVA - pump switch broken on one. JD took it to Hazco last nite & they wouldn't fix it w/o a PO #. This morn, another OVA wouldn't calibrate w/ methane.
- Crews prepping for activities.

0800-0900 JD checking mound IDM drums. Find K. McMahan. Load up 8 used (empty) Weston brands in Bldg 91. Deliver to Rigs.

Cable tool continues drilling on W398. NPHSA set up on B405. OAHSA set up on B4.

Disc. w/ T. Trak. Mound wants 4 add'l borings around Bldg 24 for full rad/chem suite, 5' samples, hand augered. K. McMahan knows locations.

Disc. w/ T. Trak; for B16 (A7), only rad spls need to be collected. Wants a Soil Screening Facility spl ÷ 2'.
- Drill rig crew notices that B16 is located is under power lines. Try to find Bob Stanley or A. Spessard to relocate but unavailable so rig goes to B5.

Daily Weather Conditions: A.M. hot hazy humid 90°F

P.M. same, some clouds

Recorded By: [signature] QA Checked By: Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.37

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO. 34896

Date (mm/dd/yy): 6/22/94 TIME: NA : _____ PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

J. Geisler shows spot for trailer - by stop sign. No tiedowns required if its only a storage trailer. J. Geisler has no problem w/ outside decon.

J Geisler & JDavis relocate A7B9 - About 15'N of orig location per J. Geisler; holes 3, 7, 8, 6 are cleared. A7HSA will barricade off B3 and B7 for tomorrows drillings.

per T. Tenk: ok to move A7B9 to north 15' to clear line.

@ 1530 A7B5 had to move rig approx 3' to finish collecting sample. JD contacted J. Geisler about to move. No utility lines encountered.

- CALL fm Dan Garrison Mound Safety. JD asked to make postings for exclusion zone. DG says coveralls (cross contamination control) required = Level D. DG is checking on if Mound will supply coveralls. JD will check to see if SAIC will supply coveralls.

- Call fm K. McMahan. A7B16 on hold. Re broken finger - suggested switching cables. Also said high heat can affect readings.
- G. Loder reports that A7B7 will need to be moved to clear

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Monaco 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOO P. 38

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/22/94 TIME: NA : _____ PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

steam lines.

EOD SUMMARY:

A7 HSA: B5 completed. TD approx 7'. Hole grouted.

NP HSA: B405 completed and grouted. TD ≐ 14'. No water encountered

Set up on B406. Collected surf. sample.

NP Cable tool: W398 drilled to about 39' No water. Will let sit overnite.

SOIL GAS: AOC 22: 2 timers installed, 34 tubes on perimeter. Need urinalysis to get inside A22. Good productive day.

FIDLER: good progress. 1 FIDLER still down but not really affecting production

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P39

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/23/94 TIME: 0700 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS, JOLETTA HUMPERT, EVELYN MEAGHER, GREG LODER, JEFF DEVAUGN (OAHSA)
MIKE KLIDZEJS, ERIC SAYLOR (NPHSA), MARK HOWARD, MIKE MONROE (SG)
SUSAN ABSTON, MARTHA CRANER (CABLE TOOL), SALLY BROWN, CRAIG PATTERSON (FIDLER)

Narrative (include time and location):

0730 all personnel on site. Conduct H&S Briefing.
J. Geisler and Bill Stoll (4768) @ HR. BS will be JG replacement next week. Discuss misc. items. Agree to drill A7B8, A7B9 on Mon.
- Call to Gene Wolfe Bowen-Morner. GW agrees to drill W400 w/ cable tool @ nuger prices. Set up B-M man (Jim) for drum staging today - will meet Denny Gault @ 0900 @ Guard Post 2. Re pump for well develop. - B-M will supply pump and generator @ no cost but will charge for manpower. B-M will try to supply enough tubing to dedicate to each well. B-M coveralls and work uniforms are rented and are laundered commercially.

Note: per K. McMahan, bumper guards on wells not necessary - none in high traffic areas.

1300. Only one OVA operational. Hazco delivers one and takes back 2 bad ones.
G. Loder reports poss. high OVA on A7B3 @ 17.5'. Also wet

Daily Weather Conditions: A.M. hazy, overcast, humid 80°F
P.M. Rain and lightening

Recorded By: [signature] QA Checked By: Laura M. Monson 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P.40

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 6/23/94 TIME: NA PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

NCRs to write up:
- 6" hole on W399
- NO 2nd Alk. RUN ON B401 water sample
- NO CONTINUOUS CORING ON B1, B2
- delay IN WAXING geotech shelby tubes sample there. Concern about cross-contamination. Discuss w/ T. Tank. Discuss w/ Alec Berry. He says to make sure its not just a methane hit.

1300 lightning Alert. All crews @ t/r. Release drillers.
Note: CABLE tool moved to W400

1500 Alec Berry & Alan Spesard @ t/r. Their decision re A7 soil borings: drill all borings to bedrock. Collect Rad/chem spls to 30' @ 5' intvls. Collect geotech spls to TD @ discreete lithologic horizons. They would like to be contacted when a boring gets to around 40' w/ no bedrock.

Note: crews report that Mound HP has rejected all sampling

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Monnon 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.41

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/23/94 TIME: NA : PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

completed @ 330p (it was 345 before)

Per T. Tank; B402 to be converted to A well. No replacement for W398

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P-42

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/27/94 TIME: 07 30 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS, JOLETTA HUMPERT, GEORGE WAHL, GREG LODER, JEFF DEVAUGHN (ATHS), MIKE KLIDZEJS, ERIC SAYLOR (NPHSA), MARK HOWARD, MIKE MONROE (SC), SUSAN ABSTON, MARTHA CRONIN (CABLE TOOL), SALLY BROWN, CRAIG PATTERSON (FIDCER), PAUL PARRISH, DAVE CUMMINGS (GEOP)

Narrative (include time and location):

0730. Start @ HR. Conduct H&S Briefing.

Per K. McMahan - drums next week? B-M will have to supply until then.

Per T. Tank, A. Berry: ON B3 (A7) drill only enough to collect first soil sample and water sample. If hole is showing true OVA hits (not methane) grout and abandon. If hole is clean, continue drilling to bedrock.

- Call R. Tusing to set up FIDCER security escort for tomorrow - 730-430. Meet @ Post 2.
- Call for Dave Keefer. Surveillance sched. for ~~tomorr.~~ 6/27 Thurs. Needs copy of OU5 SAP. Call Will Kegley 615-481-8738

1000 @ cable tool rig. Rig can't get to map location - B400. Call T. Tank - OK to drill 130' W. Change order has been done for this. No radio communic. - approx 1 hr downtime waiting for necessary communications.

1015 @ NPHSA. No water yet @ ≐45. Drillers have augers to 55'.

1030 @ ATHSA B3. Pursing wtr to collect grab sample. Thin floater on top of water indicated

Daily Weather Conditions: A.M. overcast, cool, humid

P.M. same, pleasant

Recorded By [signature] QA Checked By Laura M. Marrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P43

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/27/94 TIME: NA PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

by intercom phone

1330 @ NP HSA B406. Current depth is 60'. No water encountered. Poss bedrock. Refusal @ 60' - without shale? Trying to auger through it. Cont spl collected @ 45'. Question is what is total depth in this situation? Auger refusal @ 63'. Decide this is bedrock. Cont soil sample @ 45' which is 20' above bedrock. This spl collected based on damp core but hole didnt make water.

@ 1330 A7 HSA B3, collected grab water sample. No VOC hits. Continue drilling.

1430 Call fm B3 HSA: current depth @ 30.0, no bedrock. JD calls A. Bray. A Bray says to go to 45 and call again.

1400 M. Cremer onsite. Deliver key to cable tool.

1600. Call fm A7B3: to date.

17-24 w. sorted gravel, water @ 17

24-33 brn cly moist @ top then drying

33-36 TDTD gry cly, dry. VOC hit @ 34-36 100ppm NEG meth, v. chloride, benzene.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

P. 44

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/27/94 TIME: NA : PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

NO spl collected @ 20' - CPSE GRAVEL, NO FINES.

1600 per Bill Stott; per Kathy Kaylor, OK to deliver the onsite. JD Mech truckdriven, positioned trailer @ stopsign south of Bldg 105 as directed by B. Stott.

1700 Call A. Berry inform him of B3 situation

EOD SUMMARY: B3: drilled to 36' (SEE PG 44)

B406: drilled to 63' auger refusal. No water. Grouted and abandoned

B400 drilled to 24' No wtr. Poss ovA hit.

FIDLER: 45 points in NONADC 213 to date

SOIL GM: good progress

GEOPHYSC.: CONTINUE EM 31

LMT ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

P.45

Date (mm/dd/yy): 6/28/94 TIME: 0730 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS JOLETTA HUMPERT GEORGE WAHL GREG LODER JEFF DEVAUGHN (AFHSA)
MIKE KLIDZETS ERIC SAYLOR (NDHSA) MARK HOWARD MIKE MONROE (SG)
SUSAN ABSTON MARTHA CRAMER (CABLE) SALLY BROWN CRAIG PATTERSON (FIDLER)
PAUL PARRISH DAVE CUMMINGS (GEOPHYS)

Narrative (include time and location):

0730 all personnel onsite. Conduct HAS Briefing. Crews prepping for activities.

Per T. Tank. "Delete" Field Change OS-NP-009 re location of B409. Wrong B409 drilled as located on map. Will need another FC to put it back to orig. location.

NCR items: no spl @ 20' intvl in B3. Coarse gravels, fines washed out.

- well loc placement in W399, W397.
- geotech spls unwaxed.

0830 disc w/ Bill Stott: reemphasize safety glasses. Wants sign on HR (semi) w/ ph. numbers. Make sure exclusion zones are posted.

0830 Call fm A. Berry: B3 - keep drilling. BVA not a concern. Call him @ 45'. B400 - anticip. 5' above water table. If hit is methane, keep going. Otherwise, notify.

Per A. Berry: move B402 60' N toward fence. Confirm w/ A. Spessard.

0930 @ A7B3 w/ K. McMahan & A. Berry. Depth @ 40' gives 10% LEL

Daily Weather Conditions: A.M. humid and warm

P.M. same

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK PG 46

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/28/94 TIME: NA PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

per K. McMahon, A. Berry, & T. Tank, Abandon & grout.

- Then to B409. Moving back to ORIS. location. Then to B400. Anticipated Bedrock @ 2-5 Water @ approx 25'. Per A. Berry, set the top of the well @ water level to avoid a dry hole during groundwater fluctuation. With A. Berry, pick a new location for well @ B402. (SEE pg 45)

- Call to Hazco: the OVA methane probe lets methane through; i.e. blocks volatiles other than methane.

1100 @ B409 Bedrock @ 14'. Missed subsurf. spl so will skid Rig and drill to get sample.

1130 Davis offsite. Back to Dayton office for misc. Project paperwork.

- New Prop drilling on schedule if all drilling and pad construct. completed by 6/30

- Call from A. Berry. Has found a spot for the Soils Disp. Well. Also wants to move B402 in Soils Disp. Zone.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P47

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/28/94 TIME: NA PAGE 3 OF 3

Task Team Members:

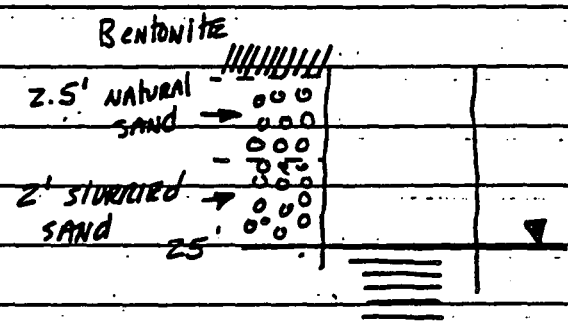
NA

Narrative (include time and location):

Drill new well in SDZ first - midafternoon tomorrow.

1630 Call fm S. Abston. While setting the well @ B400, about 2 1/2 ft of natural inplace sand fell in on the 2' of sand filter, essentially giving about 4' of sand pack. Discussed situation w/ SAIC hydrologists - decide integrity and structure of well not compromised. Told her to set bentonite.

NCR ITEM: excessive sand



NOTE: per P. Parrish, Geophy. crew completed EM-31 survey today.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P. 48

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/29/94 TIME: 0730 PAGE 1 OF 3

Task Team Members:

John Davis, Joletta Humpert, George Wahl, Mike Klidzejz, Eric Saylor (NPKRA), Gary Loder, Jeff DeVaugn (A7KSA), Sally Brown, Craig Parrish (ADLEA), Susan Ashton, Martha Cramer (CABLE), Mark Howard, Mike Monroe (SG), Paul Parrish, Dave Cummings (GEOP)

Narrative (include time and location):

0715 All personnel on site. Conduct H&S Briefing. Give Site Orientation Briefing to P. Parrish, D. Cummings, G. Wahl. Call for Bill Stott. 12 locks required for B16 lockout. Dave Weimer (3323) is head electrician. Mast must be down and street lites unlocked by 430. Need security escort for sewer & tel substations.

0900 @ A7B7. G. Loder reports OVA hit of 60 ppm downhole. Call to Steve Davis Div H&S - SAIC. He said Action levels are set to breathing zone. Downhole hits of 60 ppm are "no big deal". G. Loder documents <1 ppm in breath zone. Breezy today also. Drillers shouldn't keep heads around top of auger flights. According to S. Davis, ok to drill. Still must observe Action Levels in BZ

STEVE DAVIS 615 481-4755

1000 G. Loder reports 15% LEL @ B7. A. Berry onsite. Decide to grout and abandon due to exceeding LEL Action Levels.

Kip Weaver (Mound Drawings) planning a trench yank @ B16. Proposes a new location for B16 based on different idea of

Daily Weather Conditions: A.M. Warm & clear 75°F

P.M. Same w/ some rain

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P.49

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/29/94 TIME: NA PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

where septic tank is.

1100. Cable tool off of B400 and being decomm'd. Go w/ A. Berry & stake relocation of B402 = approx 110' N of orig. location; in SDZ.

- Told A. Berry about small "cave-in" @ B400. He was alright with it.

1200 Call for T. Tank. Informed me that we shouldn't have put in soil gas sampling in AZ1 per change order

1230 @ B16 for meeting to determine proper location Bob Stanley (3885). Relocate B16 approx 15' S. of orig. location. This loc. believed to be middle of tank. Tank believed to be @ ≐ 20', sitting on bedrock. Spls scheme is rad spls only @ 5' intvls w/ VOA spls @ OVA hits. Want to penetrate tank. Bill Stott checking to see if lockout is necessary - loc. approx 15' for overhead lines. Actinium is in tank. B. Stott says loc is ok no overheads. He'll write the clearance permit

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By: [signature] QA Checked By: Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.50

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

Date (mm/dd/yy): 6/29/94 TIME: NA PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

1430 @ B16, K. McMahan says rig will shut down if any elevated FIDLER readings are recorded. A spl will be analyzed @ SSF to determine further action.

per B. Stott; clearance permits done for B6, B13, B14, B10, B11, B12 B16. B10 will require a street light lockout.

B12 relocated approx 12' SW per K. McMahan to avoid overheads.

- All A7 boring cleared except B15.

EOD summary

A7B16: TDID = 12'. K. McMahan shut rig down @ 1600 due to high rads - will analyze @ SSF

NP HSA: completed 403, 404. HSA done

NP Cable: TDID = 20.0 Dry.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET SITE MANAGER LOGBOOK P.51

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/30/94 TIME: 0730 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS JOLETTA HUMPHRY GEORGE WAHL GREG LODGE JEFF DEVAUGHN (A7HSA)
MIKE KLIDZEJE ERIC SAYLOR (NPHSA) SALLY BROWN CRAIG PATTERSON (FIDLER)
SUSAN ABSTON MARTHA CRANER (NPCABLE) MARK HOWGUND MIKE MONROE (SG)
PAUL PARRISH ~~DAVE CUMMINGS~~ (GEOPH)
MHD 6/30/94 GEORGE WAHL

Narrative (include time and location):

0730 all personnel onsite. Call Roy Mowen to arrange wipes to release NP ATV HSA rig. MHD 6/30/94
- T. Tank arranges for A7HSA thru ~~eff~~ 7/12. Will also add cable tool in A7.

Per K. McMahan: SSF results for last B16 spl = 16.9 pc thorium-232. Limit is 25 pc

0930 Call fm A7B16. Hit water @ 16.7' Cuttings fm 14-16 quite hot. No one working in SSF due to Retirement Party. Rad water sample only? Water sample at all? Field parameters if rad only?

~~Th 232~~

Call fm K. McMahan who's @ SSF. Spl fm 16-18 avg. 25 pc. Mound HP allows work to 25 pc w/ coveralls. Fm 25-50, th232 add Tyvex or blue smocks. Need Rad Work Permit. OK to drill next 2 ft

- Call T. Tank. He confirms collect. of water sample - Rad only. Also do SOP 2.2 parameters.

1100 Collecting water spl. Per R. Mowen, action levels determined by actinium levels, not thorium. Actinium test may take sev. days.

NOTE: Sally Brown offsite @ ≐ 1000 (bad back). Eric Saylor fills in

Daily Weather Conditions: A.M. cool clear 70° pleasant

P.M. SAME

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 52

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 6/30/94 TIME: NA : — PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

NOTE: per K. McMahon, work shut down on B16, at least for today. Respirator fits may be required.
Rig and barricade must be offsite by EOD w/ augers in hole.
IDMs must be marked radioactive. IDMs must be moved.

1440 Mtg w/ A. Bray, A. Spisiak, T. Tank @ OSE Bldg.

- July 20 issue NPPI FR
- Poss. necessity of areas.
- Add ≐ 4 soil gas around fuel tanks - A. Bray/Spisiak will locate
- wants bedrock on all A7 boreholes - need to circumvent LEL. Need SSF samples at all intvls. Need to research how to lower LEL.

Paul Parrish reports mag/grad completed. To date EM31 and mag/grad are completed. May not be necessary for EM34

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P.53

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 6/30/94 TIME: NA PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

EOD SUMMARY

NPHSA: Finished last HSA boring B404 (yesterday). M. Elidzejs working on logbooks today.

A7HSA: Shut down by Mound HP @ 1100 due to high rad hits.
TDTD = 18' Water spld @ ≐16'

NPCable Tool: Well set and bentonite seal. on B402. TD = 33.'
Screen @ ≐ 21-31' wtr @ 22.09

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 54

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 7/5/94 TIME: 0715 PAGE 1 OF 2

Task Team Members:

JOHN DAVIS JOLETTA MINARD
GREG LODER JEFF DEVRUSH (AZHSA)
SUSAN ABSTON MARTHA CRAMER (CABLE)
CRAIG PATTERSON SALLY BROWN (FIDLER)
CHRIS HALLEY, ERIC SNYDER GEORGE (WAHI (SED SPLG)

Narrative (include time and location):

0715 All personnel onsite. Conduct H&S Briefing.
J. Geisler onsite. Review last weeks activities w/her.
Alert her that B410 will require a LOTO.
- Get sediment sampling crew going. They go to office for logbook.
- Greg Schanle onsite for SAIC QA surveillance.
• M&TE QAAP 12.1 - not necessary. QAAP's are guidelines. QAPjP takes precedence. Get rid of M&TE usage log - no entries.
- Not recording lot numbers of calib gases on M&TE log.
- All pages numbered in logbooks. Last Entry. Blank pages crossed out & dated

- Note: Drillers helpers for Cable tool sick today. Decide to start well development.

1000 to A7 B13 w/ G. Schanle to observe operations.
1030 to Bldg 61 w/ G. Schanle to observe FIDLER
1130 to NON-AOC w/ G. Schanle to observe soil gas retrieval.

Daily Weather Conditions: A.M. humid, clear, 80°F
P.M. NR

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK: Q55

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 7/5/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

NOTE: per M. Cramer; she heard from A. Meyer that Compuchem is getting chloroform hits (20ppb) from ambients.

1400 w/ G. Schank to sediment sample site SD014. He suggests we write a FC to initiate COC as spl tkr w/ Spl Mgr, i.e. life of sample begins w/ Spl Mgr. This requires that Sample Log Sheets be completed in field and transfer is documented in Activ. Log.

- G. Schank notes that sample bottles are not labelled. "Not good enough" that bags are labelled.

JMP 7-5-94

1430

1630 w/ G. Schank to W399 to observe well purging.

1515 Call from G. Loder as yet TTD 7/5/94 1313. Water in hole at 31.3 TDTD = 34. 0-28 = cly 28-30 = sand, 30-34 = cly and a little gravel in spoon below 34. Instruct G. Loder to pump for grab water sampling.

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. v. humid and hot 90°F

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK p. 56

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 7/6/94 TIME: 0730: PAGE 1 OF 2

Task Team Members:

John Davis, Joletta Humpert, Tanya Pfaff, Ron Smith, Juan Alvarez (SEEP), Greg Loder, Jeff DeVaughn (AFHSA), Chris Halley, Eric Taylor (SED), Susan Abston, Martha Cramer (CABLE), Mike Monroe, George Wahl (SG), Sally Brown, Craig Patterson (FIDLER)

Narrative (include time and location):

0730 All personnel onsite. Conduct H&S briefing.

G. Loder reports that water in B13 up to ≈ 15 BLS. Purging w/ bailer.

- Cable tool crew back.

Give Site Overview briefing to Chris Halley, Ron Smith, Tanya Pfaff

0900 @ HSA A7. Collecting water sample

0930 @ Cable tool. Grouting B402 & pulling casing.

M. Cramer wants to establish work/rest cycles today due to heat.

Debrief w/ G. Schank. Will leave Procedure checklists

- FC for Compuchem boxes. JH doing it.
- FC to eliminate methanol wipe on bottles
- FC to cover label w/ clear tape.
- FC to use teflon instead of parafilm
- FC to check VOAs for and cyanide for chlorine & sulfides.
- FC for temp blanks in lab coolers. Use temp strips instead
- Confirm that split spoons are checked w/ OVA.

Daily Weather Conditions: A.M. hot 90°F humid sl. overcast

P.M. SAME

Recorded By: [signature] QA Checked By: Laura M. Morrow 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK

PS7

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

Date (mm/dd/yy): 7/6/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

- No personnel decon. Take 5 gal of water. BMP
- Use stickies on sample bottles w/ IDs.
- JD will lineout & initial end of page. in logbooks.
- Lack of training for drillers. Use Attendance Record.

1500 call fm J. Geisler. RWP required to enter bldg for LOTO. for B410. IN Penthouse. Bring 6 locks. Bowser driller needs to attend LOTO. Need 4 locks each. Set up for 700a tomorrow = security escort.

1700 @ B13. G. Coder reports TDTD = 62. Water encountered @ 59. Per A. Berry, do not collect a water spl @ this interval due to comingling of water; this intvl and intvl @ 31.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 58

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 7/7/94 TIME: 0700 PAGE 1 OF 3

Task Team Members:

John Davis Joletta Hompert
Tanya Pfaff, Juan Alvarado (SEEP)
Susan Alston Martha Cramer (CABLE)
Greg Loder Jeff DeVunsen (HSA)
Sally Brown Craig Patterson (FIDLER)
Mike Monroe George Wahl (SG)
Chris Halley Eric Taylor (SED.

Narrative (include time and location):

0700 all personnel onsite.
0700 Meet S.C. Patterson, J. Geisler @ Bldg 102 for Security escort to Bldg 50 for LOTO.
0800 Security arrives
0830 Complete LOTO @ Bldg 50 - street lites. Then to substation near B10 for LOTO of more street lites.
0900 Complete LOTO. Cable tool steels on B410
0945 G. Loder reports that B13 is completed. TD @ 70' @ bedrock
0900 T. Trask on site. Discuss schedule.
1100 Call T. Pedro leave msg. for FRI access
D. Sink, D. Work, J. Heiser : B-M
G. Loder, J. DeVunsen, J. Davis, J. Minard, J. Alvarez : SAIC
1030 G. Loder reports B13 completed @ 70.0 bedrock
1430 @ OSE Bldg for mtg w/ T. Trask, A. Spillmd, A. Barr, K. McMahan
- B-M offsite by COB 7/15 if they cant finish. & if Burlington can come on.
- B16 Actinium @ 20 pc/g.
- Will need Rad Worker II Tech (1-day) w/ respirator fit.
- We have SSF coverage tomorrow until 330. Last spl to SSF by 300 for B14.

Daily Weather Conditions: A.M. hot, humid, 92°F
P.M. SAME

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P.59

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

Date (mm/dd/yy): 7/7/94 TIME: NA : _____ PAGE 2 OF 3

Task Team Members:

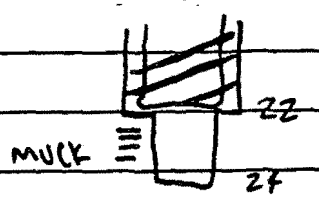
NA

Narrative (include time and location):

- re LEL; Adding water is first choice to reduce LEL.
- B16 water will go back in hole.

1400 @ cable tool. @ 17', clean rounded gravels, no water.
1415 @ HSA B14. Start drilling.

1545 After Mtg., back to BA10. Skeeter lowers mast then accompanies me to Bldg 50 for removal of LOTO.
1600 @ Bldg 50 for LOTO.
1615 to substation. Complete removal of LOTO.
1630 G. Coder reports @ B14 @ 22-24' drill into a black muck, damp, OVA= >1000ppm DH, <1 ppm BZ (breezy) and LEL = 85% O_2 = 16%. Shut down Rig.
Also poor recovery. No spl @ 5', 10', spld 12-18
Auger @ 22'



Daily Weather Conditions: A.M. NA
P.M. NA

Recorded By [signature] QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.60

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 7/7/94 TIME: NA PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

EOD SUMMARY: Cable tool (B410) @ 26'. Dry.

HSA: @ 24' High LEL

SEEP: sampled 1 SEEP, S01001; spl, dupe, MS/MSD

SEDS: Good progress. Approx 20 sed spls collected to date. No surface water encountered.

1830 All personnel offsite.

Last entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Marson 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.61

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 7/8/94 FRI TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS JOLETTA HUMPERT

LUCS LODER JEFF DEVAUGN (HSA A7)

JUAN ALVARADO

Narrative (include time and location):

0700 ON site. HSA CREW @ B14. LEL FROM yesterday (mud ovn) has dissipated. Continue drilling.

0815 @ HSA B14. MINOR LEL hits around 8%. Prepping to collect grab water sample. Wtr in augers @ ≐ 21.7. @ 28-30', OVA @ >1000 ppm DH, LEL = 24%.

Spend rest of day pumping well & collecting water spl.

No pump available.

- Stake several more sed spls points in Ops Area
- Complete tlr inventory
- QA logbooks.

1530 JD offsite

LAST ENTRY

Daily Weather Conditions: A.M. OVERCAST, COOL, V. SL. DRIZZLE INTERMITTENT, 75°F

P.M. CLEARING AND WARM

Recorded By [signature] QA Checked By Laura M Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 62

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 7/11/94 MON TIME: 0700 PAGE 1 OF 2

Task Team Members:

JOHN DAVIS JOLETTA HUMPHRY MIKE MONROE GEORGE WAHL (SC)
GREG LODER JEFF DEVAUGHN (AZTECA) JUAN ALVARADO TONYA PFAFF (SEEP)
SUSAN ALSTON MARTHA CRAMER (CABLE) CRAIG PATTERSON SWIFT BROWN (FIDLER)

Narrative (include time and location):

0700 all personnel on site
0730 Meet J. Weisler & S.C. Patterson for LOTO. Go to Bldg 50, then deep wells
0800 LOTO completed. To B14. LEL has dissipated over weekend. Continue drlg.
- FINISH staking sed spls locs.
1000 @ B410 w/ A. Berry. Water tentatively tagged @ ≈ 31'. per A. Berry; set screen 2' above wtr but drill to bedrock. If necessary, grout w/ bentonite in sump to set well.
1530 @ B410. Wtr @ 30.95'. TDTD = ~~39~~ 41' TTHD 7-11-94 Will set screen 29-39 tomorrow. Lowering mast for LOTO.
1535 @ B14. TDTD = 74.4'. No bedrock. In clean w-sorted River gravel.
1615 @ Bldg 102 for LOTO. Cleared there @ 1645. To Bldg 50 and deep wells
1700 LOTO completed.

Daily Weather Conditions: A.M. cool, clear, balmy, 75°F
P.M. warming to 85°F

Recorded By [signature] QA Checked By Laura M. Martin 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.63

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 7/11/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

EOD SUMMARY:

CABLE TOOL: TD= 41.2' WTR @ 30.95. CASING IN hole

AT HSA: still on B14. TDTD = 76.0

SEEPS: Sold NUMAINING flowing seep. Total of 2 seeps sampled. 3 more potentials but all dry.

SEDS: Good progress. Will complete tomorrow.

SG: IN SDB.

FIDLER: starting A22

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Marsden 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 64

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

Date (mm/dd/yy): 7/12/94 TUES TIME: 0715 PAGE 1 OF 1

Task Team Members:

John Davis Joletta Hempent Mike Monroe George Wahl (SG)
Gary Loder Eric Taylor (AZ HSA) Sally Brown Craig Patterson (FIDCER)
Susan Abston Martha Cramer (CABLE) Chris Halley (SED)

Narrative (include time and location):

0715 All personnel on site. Conduct H&S briefing.
0715 @ bldg 102 for LOTO w/ S.C. Patterson
0815 Guard shows up. To bldg 50
0830 R. Konig (electrician) shows up. Do bldg 50 LOTO
0845 @ pumphouse. Complete LOTO.

0845. Sed split completed. 27 sed locs. No flowing water.
JD to office for misc. paperwork

1600 Call from G. Loder. @ B14, heaving sands @ 108. Difficulty keeping sand out of augers - no pilot bit in augers.
GL calls A. Berry who says its ok just to auger to bedrock - no split-spoon sampling required.
Last Entry

Daily Weather Conditions: A.M. warm, humid, clear, 85°F
P.M. Same

Recorded By [signature] QA Checked By Laura M. Monroe 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.65

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

Date (mm/dd/yy): 7/13/94 Wed TIME: 07 : 00 PAGE 1 OF 2

Task Team Members:

John Davis, Joletta Humpert, Sally Brown, Craig Patterson (FIDLER), Greg Loder, Eric Saylor (A7 HSA), Mike Monroe, George Wahl (SL), Susan Abston, Martha Cramer (CABLE), Juan Alvarado

Narrative (include time and location):

0700 all personnel on site.

0830 Complete B14, TD @ 114.0 Auger refusal. @ bedrock.
Setting up on B8.
- S. Abston, M. Cramer developing, pursing, and sampling W397.
- Note: J. Humpert Juan Alvarado pulling soil gas tubes in A22.

0900 Call T. Pedro. Put D. Sink, D. Work, J. Heger, S. Abston, M. Cramer, J. Davis on access list for Fri 7/15
Also call M. O'Donahue. He will arrange HP coverage (Henry Robinson) and SSF support for 7/15, A7 drilling.

0915 Chris Holley onsite to replace Sally Brown on FIDLER

1000 Stake bldg PH holes w/ K. McMahan. PH1, PH2 in front, PH3, PH4 in back. Locs can be moved as necessary for utilities clearance.
- KM Also wants to schedule Rad II training on Fri 7/15 or Fri 7/22

1100 Call for K. McMahan. Per OU5 Mgrs, its OK to dump New Prop cuttings @ site if there is no OVA hits.

1500 Lightning Alert per Henry Robinson

1530 Cable tool support truck gets stuck on perimeter road in New Prop.

Daily Weather Conditions: A.M. warm humid clear 85°F

P.M. heavy rains in afn.

Recorded By [signature] QA Checked By Laura M. Monaghan 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 66

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

Date (mm/dd/yy): 7-13-94 TIME: NA: PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

EOD SUMMARY:

Cable tool: Grouted B410 continue developing 39'. Slow recharge.

HSA: complete B14 @ 114'. ~~Move to~~ 310 7/13/94.

Difficulty grouting - holes run out of grout due to washouts from heaving sands. Move to B8

Soil GAS: installing in AREA 3

FIDLER: working in A7

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Madison 8/15/94

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK 8.2A

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 5/11/94 Su M Tu (W) Th F Sa TIME: 0800

WEATHER: Clear, sunny, warm 50°F

WORKING CONDITIONS: good.

REQUIRED PPE: steel toed boots & safety glasses when staking. Add cleaning PPE when cleaning.

NOTES: Brief personnel on OU5 details esp. Site-Specific H&S Checklists. Discuss & use of cleaning equip. & associated hazards. Discuss rudimentary first aid, heat exhaustion, and tick dangers. Discuss slip, trip, and fall hazards as well as brief initial discussion of specific AOC hazards.

Last entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Eric Lawson		
Cathy Meeth		
Bethel Dunn		
Art Tuyn		
Jeff Kuhn		

JOHN H. DAVIS

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P. 242

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 3489

DATE: 5/12/94 Su M Tu W (Th) F Sa TIME: 0730

WEATHER: clear crisp calm 45°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots. Add clearing PPE when clearing

NOTES: Discussed slip trip fall hazards. Discussed entry into decommissioned buildings. Discuss work plan for the day.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Bernard D Kunz		
[illegible]		
[illegible]		
[illegible]		
Eric [illegible]		

JOHN H. DAVIS

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK 223

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 5/16/94 — Su (M) Tu W Th F Sa — TIME: 0730

WEATHER: clear cool sl breeze 50°F

WORKING CONDITIONS: good

REQUIRED PPE: boots, glasses, add cleaning PPE when cleaning.

NOTES:

Discuss:

- slip, trip, fall esp. on steep hillsides
- poison ivy
- ticks - use of Permanone
- saw & machete safety esp. in thick vegetation & steep slopes
- remind surveyors to always wear glasses and wear hardhats when in wooded area

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Art Lupi		
Jeff Tuttle		
Eric Taylor		
Cindy Mathews		
Rafael Stump		

Joni Davis

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM SITE MANAGER LOGBOOK: P.244

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 3489

DATE: 5/17/94 Su M (Tu) W Th F Sa TIME: 0730

WEATHER: clear cool breezy 50°F

WORKING CONDITIONS: good

REQUIRED PPE: boots, glasses, add cleaning PPE when cleaning

NOTES: Discuss:

- ticks & Permanone
- Cleaning equipment safety
- HP coverage; per J. Geisler. she'll check the area D D4D to see if its OK to go in.

LAST ENTRY

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P-245

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 5/18/94 — Su M Tu (W) Th F Sa — TIME: 07:30

WEATHER: clear cool breezy 50°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, add cleaning PPE when cleaning

NOTES:

Discuss:

- cleaning tool safety
- drink plenty of water
- safety breaks

Unit Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Eric Taylor		
[illegible]		
[illegible]		
[illegible]		
Jeff [illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P-246

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 3480

DATE: 5/19/94 Su M Tu W (Th) F Sa TIME: 7:25

WEATHER: cool, breezy, sunny, 50°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, add clearing PPE when clearing

NOTES: Discuss
* cutting tool safety
* taking rest breaks as needed & drinking H_2O
* cautioned regarding fall & trip hazards

LAST ENTRY

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Eric Taylor		
[illegible]		
[illegible]		
[illegible]		
Bernard D Rump		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 247

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO.: 34896

DATE: 5/23/94 Su (M) Tu W Th F Sa TIME: 07:30

WEATHER: good - sl overcast, 65°F

WORKING CONDITIONS: good

REQUIRED PPE: hook + glasses; add clothing PPE when cleaning.

NOTES:

Discuss
- chainsaw + muscle safety
- quadrumulting 1st aid
- ticks
- heat exhaustion
- slip, trip, fall

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBO
P. 248

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO.: 348

DATE: 5-24-94 Su M (Tu) W Th F Sa TIME: 7:3

WEATHER: OVERCAST, MUGGY, 75°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, add PPE cleaning.

NOTES:

DISCUSS

- chainsaw safety - idling chain. Don't walk on steep hills if saw is not operating correctly.
- drink lots of water.

LAST ENTRY

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	Sharon Kristensen	
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P. 249

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

DATE: 5-25-94 Su M Tu (W) Th F Sa TIME: 7:30

WEATHER: overcast, rainy, 65-70° F

WORKING CONDITIONS: Fair, slightly slippery

REQUIRED PPE: glasses, boots, Add PPE for clearing

NOTES:

Discuss
- slip/trip/fall hazards
- rattlesnake first aid
- cautioned workers regard slippery conditions

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Cindy Montgomery		
Sharon Knutsenger		
Brad Richards		
Chr D Holly		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM SITE MANAGER LOGBOOK P. 250

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

DATE: 5-26-94 Su M Tu W (Th) F Sa TIME: 7:30

WEATHER: hazy w/ some sun, some rain,

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, add clear PPE when clear.

NOTES:

DISCUSS:

Be safe - its tough out there!

Last entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM: SITE MANAGER LOGBOOK P. 251

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

DATE: 5/31/94 Su M (Tu) W Th F Sa TIME: 0730

WEATHER: clear cool 50°F calm

WORKING CONDITIONS: Good.

REQUIRED PPE: glasses & steel toed boots, Add clearing PPE when clearing

NOTES:

Discuss

- Mound PPE requirements. Always glasses & boots. Add hardhat when in construction zone or in woods.
- Clearing PPE: hardhat, hearing protect, gloves, face shield, glasses, boots, chaps, vest.
- Chainsaw, machete safety.
- ticks: use Permanone & insect spray.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P-252

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 3489

DATE: 6/1/94 Su M Tu W Th F Sa TIME: 07:00

WEATHER: 70° F, sunny

WORKING CONDITIONS: good

REQUIRED PPE: glasses + steel toed boots, add clearing equipment when clearing

NOTES:

Discuss

• Safety in Area 3/SDB.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK p. 253

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO.: 34896

DATE: 6/2/94 Su M Tu W (Th) F Sa TIME: 07:30

WEATHER: 60°F Sunny

WORKING CONDITIONS: good

REQUIRED PPE: glasses + steel toed boots, add clearing equipment when clears

NOTES:

Discuss:

- eye scratch incident of Evelyn Meagher yesterday
  Eye protection v. important. Stress cleanup
  of slip trip fall

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

p. 254

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 6-6-94 Su M Tu W Th F Sa TIME: 0800

WEATHER: overcast, humid, 60° F

WORKING CONDITIONS: good

REQUIRED PPE: SEE below

NOTES:

DISCUSS:

- Mound PPE requirement; glasses & hook ALWAYS, hard hat in construction zones. Also discuss cleaning PPE
- Poison ivy. Lots of it in AREA J. Where its thick, recommended PPE is taped up tyvek w/ nitrile gloves.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Matt Oxley		
[illegible]		
Chris Hurley		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

P. 255

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 6/7/94 Su M (Tu) W Th F Sa TIME: 08:00

WEATHER: Sunny humid 65°F

WORKING CONDITIONS: good

REQUIRED PPE: See below

NOTES:

Discuss:
- Safety in Area 3 / SDB
  Unit Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Brad Richards		
Chris D. Hall		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P. 256

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 346

DATE: 6/8/94 Su M Tu (W) Th F Sa TIME: 07:30

WEATHER: Mostly Cloudy, 60°F

WORKING CONDITIONS: Good

REQUIRED PPE: See below

NOTES:

Discuss:

- Concerns w/ area J.
  - Ticks (Tape Pants legs to boots)
  - Poison Ivy (where encountered tape up and
  - wear tyvek if necessary)
  - Steep slope dangers

LAST ENTRY

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Eric Taylor		
Bud [illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

p. 257

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO. 34896

DATE: 6/9/94 Su M Tu W (Th) F Sa TIME: 07:30

WEATHER: Mostly Sunny 60°F, Calm

WORKING CONDITIONS: Good

REQUIRED PPE: See below

NOTES:

Discuss Concerns w/ Area J
- Ticks
- Poison Ivy
- Steep slopes

Discuss Mounds PPE Requirements
- safety shoes
- safety glasses
- Hard Hats in construction area.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]		
Eric Taylor		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM SITE MANAGER: [illegible]

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 P: 298 TASK NO: [illegible]

DATE: 6/13/94 Su M Tu W Th F Sa TIME: 07:3[illegible]

WEATHER: Sunny 70°F

WORKING CONDITIONS: Good

REQUIRED PPE: See below

NOTES: Concerns

- Hard hats in construction areas
- Safety Glasses
- Dirt side slopes
- Discuss Mound PPE: glasses & boots always, hard hats around drill rigs.
- JSHAs for drill rigs.
- Biological hazards in New Prop; ticks, etc.
- Site-Specific Checklist for New Prop

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 259

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 34896

DATE: 6/14/94 Su M Tu W Th F Sa TIME: 0730

WEATHER: SUNNY humid 85°F

WORKING CONDITIONS: good

REQUIRED PPE: boots, glasses, hardhats

NOTES:

Discuss
- use of PPE
- heat stress - drink lots of water
- 1-ton limit on "Steep Hill" Road by Decon Pad. Rigs must go around.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	
[illegible]	Mark T. [illegible]	
Eric Sayler	[illegible]	
Martin Crames		
Susan L Alston		
L C Patterson		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK: P-260

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 3489

DATE: 6/15/94 Su M Tu (W) Th F Sa TIME: 0730

WEATHER: warm 80°F humid clear

WORKING CONDITIONS: good.

REQUIRED PPE: glasses, boots, hardhats in exclusion zones

NOTES:

Discuss:

- Mound speed limit of 15 mph
- heat stress - drink lots of water, take safety breaks
- PPE in exclusion zones
- use of hardhats for soil gas; applicable if in H&S Checklists

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P.261

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 6/16/94 Su M Tu W (Th) F Sa TIME: 07:30

WEATHER: hot humid hazy 90°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, handbook in exclusion zones

NOTES:

Discussed

- anticipated 96°F weather today - heat stress. Safety breaks and drink lots of water. Awnings will be supplied if necessary
- Safety glasses will be replaced as necessary.

last entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Duane L Alderson	Mark Stevens	
[illegible]	[illegible]	
[illegible]		
S C Patterson		
[illegible]		
Eric Taylor		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P. 262

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO.: 34896

DATE: 6-20-94 Su (M) Tu W Th F Sa TIME: 0730

WEATHER: humid, hazy, warm

WORKING CONDITIONS: good

REQUIRED PPE: boots & glasses, add hardhat in construction zones & exclusion zones.

NOTES: Discussed

- speed limit of 15 mph
- must wear seat belt
- no parking or storage w/i 8' of security fence
- Mound PPE; glasses & boots.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	Susan Hilton	Eric Taylor
[illegible]	Joletta Jumpert	[illegible] Brown
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] 6/20/94
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 263

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 6-21-94 Su M (Tu) W Th F Sa TIME: 0730

WEATHER: hazy, overcast humid 75°F

WORKING CONDITIONS: good but wet

REQUIRED PPE: glasses, boots, hardhats in exclusion zones, construction zones

NOTES:

Discussed

- lightening alerts. Mound AP passed to word.
- tick precautions and what to do if find an imbedded tick
- Drilling in A7: radiological concerns. Stay upwind of dust. No eating, drinking, chewing in exclusion zone. Inhalation, ingestion are primary exposure routes.
- If hits are recorded on monitoring equip (OVA, O2/LEL) Mound will supply work coveralls and will launder.
- Slippery driving conditions in new property
- Heat stress

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Sandra K Cramer	Stella Dumpert	G C Patterson
Susan J Wilson	[illegible]	[illegible]
Sally A Brown	Tom Bachman	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P. 264

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34

DATE: 6/22/94 Su M Tu (W) Th F Sa TIME: 0730

WEATHER: warm, humid, 90°F, clear

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, handbath as required.

NOTES:

Discussed

- training forms
- Don't let drillers start rig, put up mast, etc until exclusion zone is established
- Get wire staples turned in
- Chiggers are bothersome. Need more insect spray
- Heat stress – drink water and safety breaks.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	
[illegible]	[illegible]	
Juletta Humpert	[illegible]	
Yanta Cramer	[illegible]	
[illegible]	Sally Brown	
Eric Taylor	[illegible]	

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P-265

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 6/23/94 — Su M Tu W (Th) F Sa — TIME: 0730

WEATHER: hazy & overcast, lightning alert in aft.

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, handwear as required

NOTES: Discussed

- earplugs, signs on exclusion zone, coveralls, training records to be turned in, urine samples, teflon tape on soil samples plastic under rig and drums

LAST ENTRY

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Eric Taylor	Martha L. Cramer	[illegible]
Susan J. Alston	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	Joletta Humpert	
[illegible]	[illegible]	

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM: SITE MANAGER LOGBOOK P.266

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO: 348

DATE: 6/27/94 Su (M) Tu W Th F Sa TIME: 0730

WEATHER: overcast, sl. drizzle 65°F

WORKING CONDITIONS: wet, slippery.

REQUIRED PPE: glasses, boots. Add hardhats in exclusion zones and construction zones

NOTES: Discussed:

- drill crews to wear coveralls
- wet driving conditions

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	
Eric Taylor	[illegible]	
[illegible]	George Wahl	
Susan J. Alston	[illegible]	
[illegible]	Juliette Hurspert	
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 267

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 6/28/94 — Su M (Tu) W Th F Sa — TIME: 0730

WEATHER: hazy, overcast, cool

WORKING CONDITIONS: good

REQUIRED PPE: glasses and boots; add hardhat in exclusion zones and construction sites

NOTES: Discussed:

- Logbook protocol: line outs, signatures, blank spaces, Abandonment Log
- Audit on Thursday - audit protocol, housekeeping
- decon station - flammables in cabinet w/ EOD
- tape (teflon) soil jars w/ Rig.
- Wear earplugs w/ Rig
- Action levels > 1 ppm on OVA
- Glove changes
- Joletta Humpert in charge when JDavis not here.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Sallie A Brown	Eric Saylor	
[illegible]	Joletta Humpert	
Guy Patterson		
Marsha L Crum		
Susan L Alder		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P.268

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 3489

DATE: 6/29/94 Su M Tu (W) Th F Sa TIME: 0730

WEATHER: clear, sl. humid 80°F

WORKING CONDITIONS: GOOD

REQUIRED PPE: glasses and boots, hardhats as required.

NOTES:

Discussed:

Action levels. Level D is <1 ppm OVA. Level C is 1-5 ppm w/o benzene or vinyl chloride. Level B is >5 ppm or >1 ppm w/ benzene or vinyl chloride.

10% LEL: >10% LEL must be intrinsically safe environment which drilling is not.

Safety glasses: ALWAYS wear them!

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Sally Brown	Jeff DeVaughn	[illegible]
[illegible]	[illegible]	[illegible]
Susan T Alston	[illegible]	[illegible]
Mountaz Cramer	[illegible]	Colette Humpert
[illegible]	SC Patterson	[illegible]
Eric Taylor	[illegible]	

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK: P.269

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

DATE: 6/30/94 Su M Tu W (Th) F Sa TIME: 1200

WEATHER: clear cool breezy 70° F

WORKING CONDITIONS: good

REQUIRED PPE: glasses and boots, hardhats as required

NOTES: Discussed:

- chigger protection
- Action levels w/ B16. Mound HP will determine working levels and will issue stopwork as necessary

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P. 270

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

DATE: 7/5/94 Su M (Tu) W Th F Sa TIME: 0730

WEATHER: CLEAR, humid, 80°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, hardhats as required

NOTES:

Discussed

- drilling schedule to finish by 7/12
- Dust protection: ingestion, inhalation. No eating, drinking, smoking in exclusion zone. Stay upwind of borehole. If dusty conditions occur, water the hole
- New Property sediment sampling: ticks & poison ivy

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Susan L Alston	Chris D Hall	
George Wahl	Martha L Grames	
[illegible]	Juletta Dunsport	
Eric Sayler	[illegible]	
Craig [illegible]		
Sally S Brown		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 271

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 34896

DATE: 7/6/94 Su M Tu (W) Th F Sa TIME: 0730

WEATHER: sl. overcast, humid, warm

WORKING CONDITIONS: good

REQUIRED PPE: glasses & boots, handbooks as required.

NOTES: Discussed

- weather conditions

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

Guy Peterson	Juletta Humpert	
Susan L Alston	George Wahl	
Martin Cramer	Steve C. Bell	
Sally A Brown Jr	Skeeter Patterson	
Jeff Dougherty	[illegible]	
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBO

P-272

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34

DATE: 7-12-94 Su M (Tu) W Th F Sa TIME: 0800

WEATHER: warm clear humid 80°F

WORKING CONDITIONS: good

REQUIRED PPE: handwants as required, glasses and boots

NOTES:

Discussed:

scheduling

heat stress

chiggers

LAST ENTRY

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	Eric Taylor	
Sally S Brown		
George Wahl		
[illegible]		
Susan L Alston		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P-273

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1

TASK NO: 34896

DATE: 7/13/94 Su M Tu (W) Th F Sa TIME: 0730

WEATHER: warm clear humid 85°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, handlights as required

~~Discussed~~ JHD 7/13/94

NOTES:

Discussed:

chigger protection

tick protection

OSHA medical surveillance - required for all intrusive activities

Last entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)

[illegible]	[illegible]	
Eric Taylor		
George Wall		
[illegible]		
Guy Patterson		
Susan J [illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

EG 16 MOUND

OUS OPS AREA

PHASE I

FIDLER

LOGBOOK

AOC J

AOC 22

AOC 21

AOC FIDLER SURVEY LOG BOOK

PROJECT TITLE: EG&G MOUND OU5 OPERATIONAL AREA
PHASE 1 RI/FS FIELD INVESTIGATIONS

WORK SITE: *MOUND PLANT*
Miamisburg, Ohio
OU5 Operational Area

ACTIVITY: *Mound OU5 Operational Area Phase 1 RI/FS*
Field Investigations

CONTRACT #: *BOA 52264*
TASK ORDER: *34896*

PROJECT MANAGER: *Thomas Tank*
COMPANY NAME / ADDRESS: *Science Applications International Corporation*
4031 Colonel Glenn Hwy ,Dayton, Ohio 45431
TELEPHONE NUMBERS: *(513) 429-2699*

SUPERVISORS: *OU5 Manager: Alan Spesard (513)865-3859*
SAIC Proj. Manager: Thomas Tank (513)429-2699

EMERGENCY RESPONCE: *Police / Ambulance / Fire 911 or 865-4040*

PROCEDURES: *SOP 1.1, SOP 6.7*

START DATE: 7-5-94
END DATE:

TABLE OF CONTENTS FIDLER

AOCJ

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO: 34896

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PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO: 34896

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312		342	
313		343	
314		344	
315		345	
316		346	
317		347	
318		348	
319		349	
320		350	
321		351	
322		352	
323		353	
324		354	
325		355	
326		356	
327	ADC 22 FIDLER SURVEY READINGS	357	
328		358	
329		359	
330		360	

TASK TEAM ACTIVITY LOG SHEET — FIDLER

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 22 — TASK NO.: 34896

Date (mm/dd/yy): 7-12-93 TIME: 8 : 10 PAGE 1 OF 1

Task Team Members:
SALLY BROWN
CRAIG PATTERSON

Numerical values recorded for CH2 and OUT channels were not multiplied by 1000. Calculations included a factor of 1000.

Narrative (include time and location):

8:10 CHI STD BKGD CHK IN AOC 22 NEAR F6 BATT - 94% HV = 1.22 KV

CH1 - 165, 140, 165, 165, 155 - $\bar{x}$ = 158 ~~15.8 x3 = 47.4 + 158 = 205.4~~ JH 4/28/95 Pu238: 13,000
sd = 12.56 3xsd = 37.70 + 158 = 195.7 Th = 1,600
See pg 285

CH2 - 8.0, 7.0, 7.0, 7.5, 7.5 - $\bar{x}$ = 7.4 ~~15.56 x3 = 2.22 + 7.4 = 9.64~~ JH 4/28/95 Pu238 = 7.5 Th = 25.5

OUT - 8.5, 8.5, 8.5, 7.5, 8.5 - $\bar{x}$ = 8.3 ~~.83 x3 = 2.49 + 8.3 = 10.79~~ JH 4/28/95 $\bar{x}$ = 8.3 sd = 2.88 3xsd = 8.64 + 8.3 = 16.94 JH 5/10/95
See pg. 285

845 - Start TAKING READINGS. ONLY ABLE TO SERPENTINE SOME AREAS DUE TO WOODS & HEAVY BRUSH.
ONLY CRAIG CARRIES FIDLER. SALLY TAKES READINGS DUE TO SPRAINED WRIST.

10:30 - FIND HOT SPOT AT G7.

AOC 22 ~~D7~~ SB 7-12-94 G7 - Out ch. 17 CH 1 = 150 CH2 = 15
- high level only 1 ft diameter around stake

1100 - CHECK OUT AT HP - everything OK. - Roy Mohen - go to lunch.

12:30 - Go to Area J.

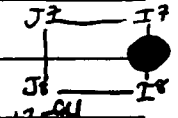
1340 - STD BKGD CHK NEAR ~~AOC J~~ AOC 22 CP 9/13/94 I4

OUT - 9.0, 9.0, 9.0, 9.0, 9.0 - $\bar{x}$ = 9.0 ~~x3 = 27 + 9.0 = 11.7~~ JH 4/28/95 $\bar{x}$ = 9 sd = 3 3xsd = 9 JH 5/15/95 9 + 9 = 18.0 See pg 285

CH2 - 7.5, 7.0, 8.0, 7.5, 7.5 - ~~7.5 x3 = 2.25 + 7.5 = 9.75~~ JH 4/28/95 $\bar{x}$ = 7.5 sd = 2.73 3xsd = 8.21 + 7.5 = 15.71 JH 5/15/95

CH1 - ~~80~~ SB 7-12-94 55, 65, 50, 60, 30 - 260 ÷ 5 = ~~52 x3 = 156 + 52 = 67.6~~ JH 4/28/95 $\bar{x}$ = 52 sd = 7.21 3xsd = 21.6 + 52 = 73.63

I7 - I8 - half way between, epicenter is 34.0 in out channel
unable to serpentine block I7 which CH 1 = 130
includes this hot spot, due to heavy brush CH2 = 29.0
and trees, we were unable to move through in a serpentine pattern. SB 7-12-94 ~~8~~ 14ft in diameter



1550 - LEAVE AREA. CHECK OUT AT HP. w/ Roy Mohen.
1610 - Go to trailer. Make calls & work on log books. 40% finished w/ Area 22.
Last Entry.

Daily Weather Conditions: A.M. Coo, Sunny, wet grass
P.M. Hot 80's, sunny, humid

Recorded By Sally Brown QA Checked By Joletta Humpert

284

TASK TEAM ACTIVITY LOG SHEET FIDLER

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 AOC 22 **TASK NO.: 34896**

Date (mm/dd/yy): 7-13-94 TIME: 7 : 38 PAGE 1 OF 1

Task Team Members:

Sally Brown

CRAIG PATTERSON

CHRIS HALLEY

Narrative (include time and location):

STD BKGD CHK - NEAR LS BATT - 92% HV - 1.21 x=127 sd: 11.26

CH1 - 100, 140, 120, 135, 140, 135 ÷6 = ~~127~~ x3 ~~38.1 + 127 = 165.1~~ 3xsd: 33.78 (160.78)

Pu238 - 16,000 Th - 1600

CH2 - 9.5, 9.5, 9.0, 9.0 9.5 x̄ = 9.3 ~~x3 2.7 + 9.3 = 12.04~~ 4/28/95 See pg 285

~~x̄ = 9.3 sd = 3.04~~ 3xsd = 9.14 + 9.3 = ~~18.44~~ 5/15/95

Pu238 - 8.0 Th - 26.0

Out - 10.0, 10.0, 10.5, 9.5, 9.5 x = 9.9 ~~x3 2.7 + 9.9 = 12.87~~ 4/28/95 See pg 285

~~x̄ = 9.9 sd = 3.14~~ ~~3xsd = 9.43 + 9.9 = 19.33~~ 5/15/95

1530 - Lightning Alert; in for the day

7:38 - TAKE BKGD CHK NEAR LS.

8:10 - START TAKING READINGS. ~~AF~~ SB 8/16/94 SERPENTINING WAS DIFFICULT (BUT DONE) DUE TO A FENCE RUNNING THROUGH SOME OF THE BLOCKS. TOOK UP EXTRA TIME. ONLY CRAIG CARRIES THE FIDLER BECAUSE SALLY'S SPRAINED WRIST STILL BOTHERSOME.

10:00 - CHRIS HALLEY TAKES OVER FOR SALLY. SALLY GOES TO OFFICE.

11:30 - WENT TO SAIC TRAILER FOR LUNCH.

12:00 - RETURNED TO AREA 22 TO TAKE READINGS.

15:30 - QUIT WORK DUE TO LIGHTNING ALERT.

COMPLETED 100% OF AREA 22.

Last Entry

Daily Weather Conditions: A.M. Cool, wet grass, sunny

P.M. HOT HUMID RAIN (SCATTERED) CLOUDY

Recorded By Sally A Brown Craig L Patterson QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET

FIDLER AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 TASK NO.: 34896

Date (mm/dd/yy): 5/15/95 TIME : _____ : _____ PAGE _____ OF _____

Task Team Members:

Narrative (include time and location):

For 7/12/94 near A22 F6:

CH1 CC = 195.7 cpm

CH2 CC: $\bar{x}$ = 7,400 sd = 86 3sd = 258 + 7400 = 7658 cpm ≈ 7.7 Kcpm

OUT CC: $\bar{x}$ = 8,300 sd = 91 3sd = 273 + 8300 = 8573 cpm ≈ 8.6 Kcpm

NO ENTRY JH 5/15/95

For 7/12/94 near I4:

CH1 CC = 73.6 cpm

CH2 CC: $\bar{x}$ = 7500 sd = 87 3sd = 261 + 7500 = 7761 cpm ≈ 7.8 Kcpm

JH 5/15/95 ~~CH2~~ OUT CC: $\bar{x}$ = 9000 sd = 95 3sd = 285 + 9000 = 9285 cpm ≈ 9.3 Kcpm

For 7/13/94 near L5: CH1 CC = 160.78 cpm

CH2 CC: $\bar{x}$ = 9300 sd = 97 3sd = 291 + 9300 = 9591 cpm ≈ 9.6 Kcpm

OUT CC: $\bar{x}$ = 9900 sd = 99 3sd = 297 + 9900 = 10197 cpm ≈ 10.2 Kcpm

Daily Weather Conditions: A.M. _____

P.M. _____

Recorded By Juletta Humpert QA Checked By _____

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TASK TEAM ACTIVITY LOG SHEET

FIDLER
AOC 22
TASK NO.: 34896

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1

Date (mm/dd/yy): 7-13-94 TIME: 7 : 38 PAGE 1 OF 1

Task Team Members:

Sally Brown
Craig Patterson
Chris Halley

Narrative (include time and location):

STD BKGD CHK - NEAR L5 BATT - 9.27, HV - 1.21
CH1 - 100, 140, 130, 135, 140, 135 ÷5 = 127 x3 = 381 ÷ 127 = 165.1
Pu238 - 16,000 Th - 1600
CH2 - 9.5, 9.5, 9.0, 9.0, 9.5 x̄ = 9.3 x3 27.9 ÷ 9.3 12.09
Pu238 - 8.0 Th - 26.0
Out - 10.0, 10.0, 10.5, 9.5, 9.5 x = 9.9 x3 29.7 ÷ 9.9 = 12.87

1530 - Lightning Alert; in for the day
7:38 - TAKE BKGD CHK NEAR L5.
8:10 - START TAKING READINGS. ~~AF~~ SB 8/16/94 SERPENTINING WAS DIFFICULT (BUT DONE) DUE TO A FENCE RUNNING THROUGH SOME OF THE BLOCKS. TOOK UP EXTRA TIME. ONLY CRAIG CARRIES THE FINDER BECAUSE SALLY'S SPRAINED WRIST STILL BOTHERSOME.
10:00 - CHRIS HALLEY TAKES OVER FOR SALLY. SALLY GOES TO OFFICE.
11:30 - WENT TO SAIC TRAILER FOR LUNCH.
12:00 - RETURNED TO AREA 22 TO TAKE READINGS.
15:30 - QUIT WORK DUE TO LIGHTNING ALERT.
COMPLETED 100% OF AREA 22.
Last Entry

Daily Weather Conditions: A.M. Cool, wet grass, sunny
P.M. HOT HUMID RAIN (SCATTERED) CLOUDY

Recorded By Sally A Brown, Craig L Patterson QA Checked By Juliette Humpert

FIDLER MEASUREMENT DATA

FIDLER AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO: 34896

FACILITY CODE: MND28 — LOGGER CODE: SAIC

LOG DATE: 7-12-94 — FIELD REP: Sally Brown

ACCEPTANCE CODE: A — FIDLER NO.: 2

RATEMETER/SCALER:

MODEL NO.: 3400 — SERIAL NO.: A806N — CALIBRATION DATE: 4/18/94

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.22 — BATTERY: 94%

NaI PROBE:

MODEL NO.: 3611 — SERIAL NO.: A900T — CALIBRATION DATE: 4/18/94

CHECK SOURCE:

ISOTOPE: Pu-238 — ACTIVITY: 0.5 µcuries ~~DPM~~ gpH 8/30/94 — SERIAL NO.: 31

SOURCE CHECK:

METER READING: 18,600 — COUNTS/ 1 — MIN = 18,600 CPM

(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y

CONTAMINATION CRITERIA: OUT 8.6 kcpm ~~10.79~~ ~~16.94~~ gH 5/15/95 — CH1 ~~205.4~~ 195.7 — CH2 ~~15.58~~ gH 5/15/95 7.7 kcpm ~~9.64~~ gH 4/28/95

COMMENTS: STD BKGD DATA ON PG 283

FACILITY CODE: MND28 — LOGGER CODE: SAIC

LOG DATE: 7-12-94 — FIELD REP: Sally Brown

ACCEPTANCE CODE: A — FIDLER NO.: 2

RATEMETER/SCALER:

MODEL NO.: 3400 — SERIAL NO.: A806N — CALIBRATION DATE: 4/18/94

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.22 — BATTERY: 94%

NaI PROBE:

MODEL NO.: 3611 — SERIAL NO.: A900T — CALIBRATION DATE: 4-18-94

CHECK SOURCE:

ISOTOPE: Pu-238 — ACTIVITY: 0.5 µcuries ~~DPM~~ gpH 8/30/94 — SERIAL NO.: 31 ~~4-18-94~~ SB 7-12-94

SOURCE CHECK:

METER READING: 18,600 — COUNTS/ 1 — MIN = 18,600 CPM

(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y

CONTAMINATION CRITERIA: OUT 9.3 kcpm ~~4.7~~ ~~18.0~~ gH 5/15/95 — CH1 ~~67.6~~ 73.63 — CH2 ~~15.71~~ 7.8 kcpm gH 5/15/95 ~~9.75~~ gH 4/28/95

COMMENTS: STD BKGD CHK DATA ON PG 283

ACCEPTANCE CODES: A - ACCEPTABLE, R - RECONNAISSANCE, U - UNACCEPTABLE, N - NOT DETERMINED

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

[signature] 7/12/94 — FORM COMPLETED BY / DATE

Loretta Humpert 8/30/94 — TECHNICAL REVIEWER / DATE

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FIDLER MEASUREMENT DATA

FIDLER

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO: 34896 — AOC 22

FACILITY CODE: MND28 — LOGGER CODE: SAIC

LOG DATE: 7-13-94 — FIELD REP: Sally Brown

ACCEPTANCE CODE: A — FIDLER NO.: 2

RATEMETER/SCALER:

MODEL NO.: 3400 — SERIAL NO.: A806N — CALIBRATION DATE: ~~4-18-94~~ 7-13-94 + 4-18-94

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.21 — BATTERY: 92%

NaI PROBE:

MODEL NO.: 3611 — SERIAL NO.: A900T — CALIBRATION DATE: 4/18/94

CHECK SOURCE:

ISOTOPE: Pu-238 — ACTIVITY: 0.5 μcuries 8/30/94 — SERIAL NO.: 31

SOURCE CHECK:

METER READING: 186000 — COUNTS/ 1 — MIN = 18,6000 — CPM

(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N)_____)

	OUT	CH1	CH2
CONTAMINATION CRITERIA:	10.2 kcpm ~~12.87~~	~~19.33~~ 9H 5/15/95 ~~165.1~~ 160.78	~~18.44~~ 9H 5/15/95 ~~12.09~~ 9H 4/28/95 9.6 kcpm

COMMENTS: STD BKGD DATA ON Pg 284

FACILITY CODE: _____ — LOGGER CODE: _____

LOG DATE: _____ — FIELD REP: _____

ACCEPTANCE CODE: _____ — FIDLER NO.: _____

RATEMETER/SCALER:

MODEL NO.: _____ — SERIAL NO.: _____ — CALIBRATION DATE: _____

WINDOW: _____ — THRESHOLD: _____ — VOLTAGE: _____ — BATTERY: _____

NaI PROBE:

MODEL NO.: _____ — SERIAL NO.: _____ — CALIBRATION DATE: _____

CHECK SOURCE:

ISOTOPE: _____ — ACTIVITY: 9H 8/16/94 DPM — SERIAL NO.: _____

SOURCE CHECK:

METER READING: _____ COUNTS/ _____ MIN = _____ CPM

(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N)_____)

	OUT	CH1	CH2
CONTAMINATION CRITERIA:			

COMMENTS: _____

ACCEPTANCE CODES: A - ACCEPTABLE, R - RECONNAISSANCE, U - UNACCEPTABLE, N - NOT DETERMINED

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

[signature] 7/13/94 — FORM COMPLETED BY / DATE

[signature] 8/30/94 — TECHNICAL REVIEWER / DATE

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22F01								
22F01-01	7-12-94	2	11.0	N	Y ~~N~~ 5/15/95	NA	NA	
22F01-02			11.0					
22F01-03			11.0					
22F01-04			9.0					
22F01-05			9.0					
22F01-06			10.0					
22F01-07			11.0					
22F01-08			10.5					
22F01-09			10.5					
22F01-10			11.0					
22F01-11			11.0					
22F01-12			11.0					
22F01-13			11.5					
22F01-14			10.0					
22F01-15			10.0					
22F01-16			11.0					
22F01-17			11.0					
22F01-18			11.0					
22F01-19			11.0					
22F01-20			SB 7-12-~~94~~ ~~11.0~~ 10.5					
22F01-21			10.0					
22F01-22			11.0					
22F01-23			11.5					
22F01-24			11.0					
22F01-25	7-12-94	2	11.0	N	~~N~~ Y	NA	NA	
22G01								
22G01-01	7-12-94	2	11.0	N	Y ~~N~~ 5/15/95	NA	NA	
22G01-02			11.0					
22G01-03			10.5					
22G01-04			10.5					
22G01-05			11.0					
22G01-06			11.5					
22G01-07	7-12-94	2	10.5	N	~~N~~ Y 5/15/95	NA	NA	

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22G01-08	7-12-94	2	11.0	N	Y ~~N~~ 5/15/95	NA	NA	
22G01-09			11.0					
22G01-10			10.5					
22G01-11			11.5					
22G01-12			11.5					
22G01-13			11.0					
22G01-14			11.0					
22G01-15			10.5					
22G01-16			11.0					
22G01-17			11.0					
22G01-18			11.0					
22G01-19			11.0					
22G01-20			11.0					
22G01-21			10.5					
22G01-22			11.0					
22G01-23			11.0					
22G01-24			11.0		~~N~~ 5/15/95			
22G01-25	7-12-94	2	10.5	N	~~N~~ Y	NA	NA	
22H01	7-13-94	2	11.0	N	~~N~~ Y	NA	NA	Wooded Area
22H01-01					5/15/95			
22H01-02								
22H01-03								
22H01-04								
22H01-05								
22H01-06								
22H01-07			8/16/94					
22H01-08								
22H01-09								
22H01-10								
22H01-11								
22H01-12								
22H01-13								
22H01-14								
22H01-15								

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22H01-16								
22H01-17								
22H01-18								
22H01-19								
22H01-20			JPH 8/16/94					
22H01-21								
22H01-22								
22H01-23								
22H01-24								
22H01-25								
22I01	7-13-94	2	10.0	N	N	NA	NA	Wooded Area
22I01-01								
22I01-02								
22I01-03								
22I01-04								
22I01-05								
22I01-06								
22I01-07								
22I01-08								
22I01-09								
22I01-10								
22I01-11			JPH 8/16/94					
22I01-12								
22I01-13								
22I01-14								
22I01-15								
22I01-16								
22I01-17								
22I01-18								
22I01-19								
22I01-20								
22I01-21								
22I01-22								
22I01-23								

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FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1

AOC 22

PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22I01-24			JPH 3/16/94					
22I01-25								
22J01	7-13-94	2	12.0	N	~~N~~ Y	NA	NA	Wooded Area
22J01-01					JPH 5/15/95			
22J01-02								
22J01-03								
22J01-04								
22J01-05								
22J01-06			JPH					
22J01-07			8/16/94					
22J01-08								
22J01-09								
22J01-10								
22J01-11								
22J01-12								
22J01-13								
22J01-14								
22J01-15								
22J01-16								
22J01-17								
22J01-18								
22J01-19								
22J01-20								
22J01-21								
22J01-22								
22J01-23								
22J01-24								
22J01-25								
22K01	7-13-94	2	12.0	N	JPH 5/15/95 ~~N~~ Y	NA	NA	Wooded Area
22K01-01		NA	NA	NA	NA	NA	NA	Wooded area
22K01-02		NA	NA	NA	NA	NA	NA	Wooded area
22K01-03		2	12.0	N	~~N~~ Y	NA	NA	
22K01-04		2	12.5	N	~~N~~ Y	NA	NA	

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 22 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
22K01-05	7-13-94	2	12.0	N	~~N~~ Y 5/15/95	NA	NA	
22K01-06			11.5					
22K01-07			12.0					
22K01-08			12.0					
22K01-09		NA	NA	NA	NA			wooded area
22K01-10								
22K01-11								
22K01-12								
22K01-13		2	12.0	N	~~N~~ Y 5/15/95			
22K01-14			11.5					
22K01-15			11.5					
22K01-16			11.5					
22K01-17			11.5					
22K01-18			12.0					
22K01-19		NA	NA	NA	NA			wooded area
22K01-20								
22K01-21								
22K01-22								
22K01-23		2	11.5	N	~~N~~ Y 5/15/95			
22K01-24			11.5					
22K01-25	7-13-94		11.5			NA	NA	
22L01								
22L01-01	7/13/94	2	12.0	N	~~N~~ Y 5/15/95	NA	NA	
22L01-02		2	12.0					
22L01-03			11.5					
22L01-04			12.5					
22L01-05			12.0					
22L01-06			12.5					
22L01-07			12.5					
22L01-08			12.5					
22L01-09			12.0					
22L01-10			12.0					
22L01-11			12.0					
22L01-12			12.0					

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
22L01-13	7/13/94	2	12.5	N	~~N~~ Y JH 5/15/95	NA	NA	
22L01-14			12.0					
22L01-15			12.0					
22L01-16			12.0					
22L01-17			12.0					
22L01-18			12.5					
22L01-19			12.0					
22L01-20			12.0					
22L01-21			12.0					
22L01-22			12.0					
22L01-23			12.0					
22L01-24			11.5					
22L01-25			11.0					
22M01	No Entry JPH 8/14/94							
22F02								
22F02-01	7-12-94	2	11.0	N	Y ~~N~~ JH 5/15/95	NA	NA	
22F02-02			10.5					
22F02-03			11.0					
22F02-04			11.0					
22F02-05			11.5					
22F02-06			11.5					
22F02-07			11.5					
22F02-08			11.0					
22F02-09			11.0					
22F02-10			10.5					
22F02-11			SB 7-12 ~~10~~ 11.5					
22F02-12			12.0					
22F02-13			11.5					
22F02-14			11.0					
22F02-15			10.5					
22F02-16			10.0					
22F02-17	7-12-94	2	11.0	N	~~N~~ Y JH 5/15/95	NA	NA	

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22F02-18	7-12-94	Z	10.5	N	~~Y~~ N 9/15/95	NA	NA	
22F02-19			11.0					
22F02-20			10.5					
22F02-21			11.0					
22F02-22			10.0					
22F02-23			11.0					
22F02-24			11.0		N 9/15/95			
22F02-25	7-12-94	Z	11.0	N	~~N~~ Y	NA	NA	
22G02	~~7-12-94~~	~~Z~~	~~11.0~~	~~N~~ SB 7-12-94				
22G02-01	7-12-94	Z	SB 7-12-94 ~~11.5~~ 11.0	N	~~Y~~ N 9/15/95	NA	NA	
22G02-02			SB 7-12-94 ~~10.5~~ 11.5					
22G02-03			SB 7-12-94 ~~11.0~~ 10.5					
22G02-04			11.0					
22G02-05			11.0					
22G02-06			11.5					
22G02-07			11.5					
22G02-08			11.5					
22G02-09			11.5					
22G02-10			11.0					
22G02-11			11.0					
22G02-12			10.5					
22G02-13			10.5					
22G02-14			9.5					
22G02-15			11.5					
22G02-16			10.5					
22G02-17			9.5					
22G02-18			11.0					
22G02-19			11.0					
22G02-20			10.0					
22G02-21			10.0					
22G02-22			10.0					
22G02-23			9.5					
22G02-24			10.0		N 9/15/95			
22G02-25	7-12-94	Z	9.5	N	~~N~~ Y	NA	NA	

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22H02	7-13-94	2	10.0	N	N	NA	NA	Wooded Area
22H02-01								
22H02-02								
22H02-03								
22H02-04								
22H02-05								
22H02-06								
22H02-07								
22H02-08								
22H02-09								
22H02-10								
22H02-11			JPH 8/16/94					
22H02-12								
22H02-13								
22H02-14								
22H02-15								
22H02-16								
22H02-17								
22H02-18								
22H02-19								
22H02-20								
22H02-21								
22H02-22								
22H02-23								
22H02-24								
22H02-25								
22I02	7-13-94	2	8.5	N	N	NA	NA	Wooded Area
22I02-01								
22I02-02								
22I02-03								
22I02-04			JPH 8/16/94					
22I02-05								
22I02-06								

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 22 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22I02-07								
22I02-08								
22I02-09								
22I02-10								
22I02-11								
22I02-12								
22I02-13								
22I02-14								
22I02-15								
22I02-16								
22I02-17								
22I02-18								
22I02-19								
22I02-20								
22I02-21								
22I02-22								
22I02-23								
22I02-24								
22I02-25								
22J02	7-13-94	2	12.0	N	~~N~~ Y	NA	NA	Wooded Area
22J02-01								
22J02-02								
22J02-03								
22J02-04								
22J02-05								
22J02-06								
22J02-07								
22J02-08								
22J02-09								
22J02-10								
22J02-11								
22J02-12								
22J02-13								
22J02-14								

JPH 8/16/94

JPH 8/16/94

JPH 5/15/95

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22J02-15								
22J02-16								
22J02-17								
22J02-18								
22J02-19								
22J02-20			JPH 8/16/94					
22J02-21								
22J02-22								
22J02-23								
22J02-24								
22J02-25								
22K02	7-13-94	2	12.0	N	~~N~~ JPH 5/15/95 Y	NA	NA	Wooded Area
22K02-01			11.5					
22K02-02			11.5					
22K02-03			11.5					
22K02-04			11.5					
22K02-05			11.5					
22K02-06			11.5					
22K02-07			11.5					
22K02-08		NA	NA	NA	NA	NA	NA	WOODED AREA
22K02-09		NA	NA	NA	NA	NA	NA	WOODED AREA
22K02-10		2	11.0	N	~~N~~ Y	NA	NA	
22K02-11		2	11.0	N	~~N~~	NA	NA	
22K02-12		NA	NA	NA	NA	NA	NA	WOODED AREA
22K02-13		NA	NA	NA	NA	NA	NA	WOODED AREA
22K02-14		2	11.5	N	Y ~~N~~ JPH 5/16/95	NA	NA	
22K02-15			11.5					
22K02-16			12.0					
22K02-17			11.5					
22K02-18		NA	NA	NA	NA	NA	NA	WOODED AREA
22K02-19		NA	NA	NA	NA	NA	NA	WOODED AREA
22K02-20		2	16.0	N	N	NA	NA	
22K02-21			9.0					
22K02-22			10.0					

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
22K02-23	7-13-94	2	11.0	N	~~N~~ Y 9H 5/15/95	NA	NA	
22K02-24	↓	↓	11.5	↓	↓	↓	↓	
22K02-25	↓	↓	11.5	↓	↓	↓	↓	
22L02								
22L02-01	7-13-94	2	11.5	N	Y ~~N~~	NA	NA	
22L02-02	↓	↓	11.5	↓	↓	↓	↓	
22L02-03	↓	↓	11.5	↓	↓	↓	↓	
22L02-04	↓	↓	11.5	↓	↓	↓	↓	
22L02-05	7-13-94	2	11.0	N	~~N~~ Y 5/15/95	NA	NA	
22L02-06	7-13-94	2	11.0	N	Y N	NA	NA	
22L02-07	↓	↓	11.5	↓	↓	↓	↓	
22L02-08	↓	↓	11.5	↓	↓	↓	↓	
22L02-09	↓	↓	11.5	↓	↓	↓	↓	
22L02-10	↓	↓	11.5	↓	↓	↓	↓	
22L02-11	↓	↓	11.5	↓	↓	↓	↓	
22L02-12	↓	↓	11.5	↓	↓	↓	↓	
22L02-13	↓	↓	11.5	↓	↓	↓	↓	
22L02-14	↓	↓	11.0	↓	↓	↓	↓	
22L02-15	7-13-94	2	10.5	N	~~N~~ Y 9H 5/15/95	NA	NA	
22L02-16	7-13-94	2	10.0	N	N	NA	NA	
22L02-17	↓	↓	11.5	↓	↓	↓	↓	
22L02-18	↓	↓	11.5	↓	↓	↓	↓	
22L02-19	↓	↓	11.5	↓	↓	↓	↓	
22L02-20	↓	↓	11.5	↓	↓	↓	↓	
22L02-21	↓	↓	12.0	↓	↓	↓	↓	
22L02-22	↓	↓	11.0	↓	↓	↓	↓	
22L02-23	↓	↓	11.0	↓	↓	↓	↓	
22L02-24	7-13-94	2	10.0	N	N	NA	NA	
22L02-25	7-13-94	2	7.0	N	N	NA	NA	
22M02								
			9H 5/16/94					
22F03								

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
22F03-01	7-12-94	2	11.0	N	~~N~~ Y	NA	NA	
22F03-02			11.0					
22F03-03			11.0					
22F03-04			11.0					
22F03-05			10.5					
22F03-06			11.0					
22F03-07			10.5					
22F03-08			11.5					
22F03-09			10.5					
22F03-10			10.0					
22F03-11			10.5					
22F03-12			10.0					
22F03-13			10.5					
22F03-14			10.5					
22F03-15			10.5					
22F03-16			11.0					
22F03-17			11.0					
22F03-18			11.0					
22F03-19			10.5					
22F03-20			10.0					
22F03-21			10.5					
22F03-22			10.5					
22F03-23			10.5					
22F03-24			11.5					
22F03-25	7-12-94	2	10.0	N	~~N~~ Y	NA	NA	
22G03								
22G03-01	7-12-94	2	10.5	N	Y ~~N~~	NA	NA	
22G03-02			11.0					
22G03-03			10.0					
22G03-04			10.0					
22G03-05			10.0					
22G03-06			9.5					
22G03-07			11.0					
22G03-08	7-12-94	2	11.0	N	~~N~~ Y	NA	NA	

JH 5/15/95

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22G03-09	7-12-94	2	11.0	N	~~N~~ Y JH 5/15/96	NA	NA	
22G03-10	↓	↓	11.0	↓	↓	↓	↓	
22G03-11			10.0					
22G03-12			11.0					
22G03-13			10.0					
22G03-14			11.0					
22G03-15			10.0					
22G03-16			10.5					
22G03-17			10.0					
22G03-18			10.0					
22G03-19			11.0					
22G03-20			11.0					
22G03-21			10.5					
22G03-22			11.0					
22G03-23			10.5					
22G03-24	↓	↓	10.0	↓	↓	↓	↓	
22G03-25	7-12-94	2	SB 9-12-10. 11.0	N	~~N~~ Y JH 7/15/95	NA	NA	
22H03	7-13-94	2	10.0	N	N	NA	NA	Wooded Area
22H03-01								
22H03-02								
22H03-03								
22H03-04								
22H03-05								
22H03-06								
22H03-07								
22H03-08								
22H03-09			JPH 8/16/94					
22H03-10								
22H03-11								
22H03-12								
22H03-13								
22H03-14								
22H03-15								
22H03-16								

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22H03-17								
22H03-18								
22H03-19								
22H03-20								
22H03-21			JPH 8/24/94					
22H03-22								
22H03-23								
22H03-24								
22H03-25								
22I03	7-13-94	2	75	N	N	NA	NA	Wooded area
22I03-01								
22I03-02								
22I03-03								
22I03-04								
22I03-05								
22I03-06								
22I03-07								
22I03-08								
22I03-09								
22I03-10								
22I03-11			JPH 8/16/94					
22I03-12								
22I03-13								
22I03-14								
22I03-15								
22I03-16								
22I03-17								
22I03-18								
22I03-19								
22I03-20								
22I03-21								
22I03-22								
22I03-23								
22I03-24								

FIDLER SURVEY

8/16/94 AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22I03-25	No entry 8/16/94 gpH							
22J03	7-13-94	Z	9.0	N	N	NA	NA	Wooded Area
22J03-01								
22J03-02								
22J03-03								
22J03-04								
22J03-05								
22J03-06								
22J03-07								
22J03-08								
22J03-09								
22J03-10								
22J03-11								
22J03-12								
22J03-13			gpH 8/16/94					
22J03-14								
22J03-15								
22J03-16								
22J03-17								
22J03-18								
22J03-19								
22J03-20								
22J03-21								
22J03-22								
22J03-23								
22J03-24								
22J03-25								
22K03	7-13-94	Z	8.5	N	N	NA	NA	Wooded Area
22K03-01	↓	NA	NA	NA	NA	NA	NA	Wooded Area
22K03-02	↓	Z	9.0	N	N	↓	↓	
22K03-03	↓	↓	10.5	↓	↓ gpH 8/5/95	↓	↓	
22K03-04	↓	↓	12.0	↓	↓	↓	↓	
22K03-05	↓	↓	11.5	↓	↓	↓	↓	

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22K03-06	7-13-94	2	11.5	N	~~Y~~ N 5/15/95	NA	NA	
22K03-07	↓	↓	12.5	↓	↓	↓	↓	
22K03-08	↓	↓	11.0	↓	↓	↓	↓	
22K03-09	7-13-94	NA	NA	NA	NA			
22K03-10	↓	↓	↓	↓	↓	↓	↓	
22K03-11								
22K03-12		↓	↓	↓	↓			
22K03-13		2	12.0	N	~~N~~ Y 5/15/95			
22K03-14		↓	12.0	↓	↓			
22K03-15			11.5		↓			
22K03-16			10.0		N			
22K03-17		↓	11.0		Y 5/15/95			
22K03-18		2	11.0	↓	↓			
22K03-19		NA	NA	NA	NA			
22K03-20		↓	↓	↓	↓			
22K03-21								
22K03-22		↓	↓	↓	↓			
22K03-23		2	10.5	N	~~N~~ Y 5/15/95			
22K03-24	↓	↓	11.0	↓	↓	↓	↓	
22K03-25	7-13-94	2	8.0	↓	↓ N	NA	NA	
22L03								
22L03-01	7-13-94	2	11.0	N	~~Y~~ N 5/15/95	NA	NA	
22L03-02	↓	↓	10.5	↓	↓	↓	↓	
22L03-03	↓	↓	10.5	↓	↓	↓	↓	
22L03-04	7-13-94	~~1~~ 2	9.0	N	N	NA	NA	
22L03-05	↓	↓	6.5	↓	↓	↓	↓	
22L03-06			6.0					
22L03-07	↓	↓	10.0	↓	↓	↓	↓	
22L03-08	7-13-94	2	~~7-13-94 10.0~~ 10.0	N	N	NA	NA	
22L03-09	↓	↓	~~7-13-94 9.5~~ 9.5	↓	N	↓	↓	
22L03-10			~~7-13-94 11.0~~ 11.0		Y 5/15/95			
22L03-11			9.5		N			
22L03-12	↓	↓	10.0	↓	N	↓	↓	
22L03-13	7-13-94	2	10.0	N	N	NA	NA	

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22L03-14	7-13-94	2	6.0	N	N	NA	NA	
22L03-15			6.0					
22L03-16			6.0					
22L03-17			6.0					
22L03-18			9.5					
22L03-19	7-13-94	2	10.0	N	N	NA	NA	
22L03-20			7.0					
22L03-21			7.5					
22L03-22			10.0					
22L03-23	7-13-94	2	10.0	N	N	NA	NA	
22L03-24			6.0					
22L03-25			5.5					
22M03	No entry JPH 8/13/94							
22F04								
22F04-01	7-12-94	2	11.0	N	Y JPH 8/15/95	NA	NA	
22F04-02			10.0					
22F04-03			10.5					
22F04-04			11.0					
22F04-05			11.0					
22F04-06			12.0					
22F04-07			11.5					
22F04-08			11.5					
22F04-09			10.5					
22F04-10			10.0					
22F04-11			10.5					
22F04-12			11.0					
22F04-13			11.5					
22F04-14			11.5					
22F04-15			12.0					
22F04-16			10.5					
22F04-17			11.5					
22F04-18	7-12-94	2	NA	N	NA	NA	NA	WOODED

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22F04-19	7-12-94	2	NA	N	NA	NA	NA	WOODED
22F04-20								
22F04-21								
22F04-22								
22F04-23								
22F04-24								
22F04-25								
22G04	7-12-94	2	11.0	N	Y N 9/15/95	NA	NA	
22G04-01			11.0					
22G04-02			8.5		N			
22G04-03			9.0		Y			
22G04-04			8.5		N			
22G04-05			9.5		Y			
22G04-06			9.5					
22G04-07			10.5					
22G04-08			11.5					
22G04-09			11.0					
22G04-10			11.5					
22G04-11			11.0					
22G04-12			11.5					
22G04-13			11.0					
22G04-14			9.5					
22G04-15			9.5					
22G04-16			58 7-12 11.0		N	NA	NA	
22G04-17			NA		NA			wooded
22G04-18			NA					
22G04-19			NA					
22G04-20			NA					
22G04-21			NA					
22G04-22			NA					
22G04-23								
22G04-24								
22G04-25	7-12-94	2		N				

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22H04			~~10~~ SB 7-12-94					
22H04-01	7-12-94	2	10.0	N	~~N~~ Y	NA	NA	
22H04-02			11.5					
22H04-03			10.5					
22H04-04			SB 7-12-94 11.5					
22H04-05			9.5					
22H04-06			9.5					
22H04-07			11.5					
22H04-08			10.5					
22H04-09			10.5					
22H04-10			9.5					
22H04-11			9.5					
22H04-12			10.5					
22H04-13			11.0					
22H04-14			11.5					
22H04-15			9.5					
22H04-16			10.0					
22H04-17			10.0					
22H04-18			10.5					
22H04-19			9.5					
22H04-20			10.5					
22H04-21			10.0					
22H04-22			10.0					
22H04-23			11.5					
22H04-24			11.5					
22H04-25	7-12-94	2	9.5	N	Y ~~N~~	NA	NA	
22I04	7-12-94	2	9.0	N	~~Y~~ N	NA	NA	Wooded
22I04-01								
22I04-02								
22I04-03								
22I04-04								
22I04-05								
22I04-06								
22I04-07								

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22I04-08								
22I04-09								
22I04-10								
22I04-11								
22I04-12								
22I04-13								
22I04-14								
22I04-15								
22I04-16								
22I04-17								
22I04-18								
22I04-19			QPH 8/16/94					
22I04-20								
22I04-21								
22I04-22								
22I04-23								
22I04-24								
22I04-25								
22J04	7-12-94	2	9.5	N	QPH 5/15/95 Y	NA	NA	Wooded Area
22J04-01								
22J04-02								
22J04-03								
22J04-04								
22J04-05								
22J04-06								
22J04-07			QPH 8/16/94					
22J04-08								
22J04-09								
22J04-10								
22J04-11								
22J04-12								
22J04-13								
22J04-14								
22J04-15								

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22J04-16								
22J04-17								
22J04-18								
22J04-19								
22J04-20								
22J04-21			JPH 8/16/94					
22J04-22								
22J04-23								
22J04-24								
22J04-25								
22K04	7-12-94	Z	9.5	N	Y JH 5/15/95	NA	NA	
22K04-01			NA					wooded
22K04-02			NA					wooded
22K04-03			10.0		Y			
22K04-04			8.5		N			
22K04-05			8.0					
22K04-06			SB 7-12 ~~8.0~~ 8.5					
22K04-07			8.5					
22K04-08			10.5		Y			
22K04-09			NA		JH 5/15/95			wooded
22K04-10			NA					
22K04-11			NA					
22K04-12			NA					
22K04-13			10.5		Y			
22K04-14			8.0		N			
22K04-15			7.5					
22K04-16			7.5					
22K04-17			8.0					
22K04-18			10.0		Y			wooded
22K04-19			NA					
22K04-20			NA					
22K04-21			NA		JH 5/15/95			
22K04-22			NA					
22K04-23			9.5		Y			

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22K04-24	7-12-94	2	7.0	N	N	NA	NA	
22K04-25	7-12-94	2	9.5	N	~~N~~ Y	NA	NA	
					JH 5/15/95			
22L04								
22L04-01	7-13-94	2	8.5	N	N	NA	NA	
22L04-02	7-13-94	2	10.0	N	~~Y~~ N	NA	NA	
22L04-03	7-13-94	2	9.0	N	~~Y~~ N JH 5/15/95	NA	NA	
22L04-04	↓	↓	6.0	↓	↓	↓	↓	
22L04-05			5.5					
22L04-06			6.0					
22L04-07			5.5					
22L04-08			7.5					
22L04-09	↓	↓	9.0	↓	↓	↓	↓	
22L04-10	7-13-94	2	10.0	N	~~Y~~ N	NA	NA	
22L04-11	7-13-94	2	10.0	N	~~Y~~ N	NA	NA	
22L04-12	7-13-94	2	9.0	N	N	NA	NA	
22L04-13	↓	↓	6.0	↓	↓	↓	↓	
22L04-14			6.0					
22L04-15			6.0					
22L04-16			6.5					
22L04-17			6.0					
22L04-18			5.0					
22L04-19	↓	↓	7.0	↓	↓	↓	↓	
22L04-20	7-13-94	2	9.5	N	~~Y~~ N	NA	NA	
22L04-21	7-13-94	2	10.0	N	~~Y~~ N	NA	NA	
22L04-22	↓	↓	8.0	↓	N	↓	↓	
22L04-23			6.0					
22L04-24			6.0					
22L04-25	↓	↓	8.5	↓	↓	↓	↓	
22M04	No Entry. JPH 8/16/94							
22F05	7-12-94	2	9.0	N	N	NA	NA	Wooded
22F05-01	7-12-94	2	NA	N	NA	↓	↓	↓

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22F05-02	7-12-94	2	NA	N	NA	NA	NA	wooded brush
22F05-03								
22F05-04								
22F05-05								
22F05-06								
22F05-07								
22F05-08								
22F05-09								
22F05-10			NA		NA			
22F05-11			10.0		N			
22F05-12			10.0					
22F05-13			10.0					
22F05-14			10.0					
22F05-15			9.0					
22F05-16			9.5					
22F05-17			10.5					
22F05-18			9.0					
22F05-19			10.0					
22F05-20			9.5					
22F05-21			7.5					
22F05-22			9.5					
22F05-23			10.0					
22F05-24			10.0					
22F05-25	7-12-94	2	10.0	N	N	NA	NA	
22G05	7-12-94	2	8.5	N	N	NA	NA	wooded
22G05-01			NA					wooded
22G05-02								
22G05-03								
22G05-04								
22G05-05								
22G05-06								
22G05-07								
22G05-08								
22G05-09								

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FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 22 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22G05-10	7-12-94	2	NA	N	NA	NA	NA	Wooded
22G05-11	7-12-94	2	9.5	N	~~N~~ Y	NA	NA	
22G05-12			9.0					
22G05-13			9.0					
22G05-14			8.5		N			
22G05-15			9.0		Y			
22G05-16			8.5		N			
22G05-17			9.0		Y			
22G05-18			9.5					
22G05-19			9.5					
22G05-20			9.0					
22G05-21			10.0					
22G05-22			9.5					
22G05-23			9.0					
22G05-24			10.0					
22G05-25	7-12-94	2	9.0	N	~~N~~ Y	NA	NA	
22H05	~~7-12-94~~	~~2~~	~~SB 7-12-94~~	~~N~~				~~Wooded~~
22H05-01	7-12-94	2	10.0	N	~~N~~ Y	NA	NA	
22H05-02			11.0					
22H05-03			11.5					
22H05-04			11.0					
22H05-05			10.0					
22H05-06			10.0					
22H05-07			11.0					
22H05-08			10.0					
22H05-09			10.0					
22H05-10			9.5					
22H05-11			9.0					
22H05-12			9.0					
22H05-13			10.0					
22H05-14			10.5					
22H05-15			10.5					
22H05-16			11.0					
22H05-17	7-12-94	2	10.0	N	~~N~~ Y	NA	NA	

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
22H05-18	7-12-94	2	10.0	N	~~N~~ Y	NA	NA	
22H05-19			10.0					
22H05-20			10.5					
22H05-21			9.0					
22H05-22			9.0					
22H05-23			10.0					
22H05-24			10.0					
22H05-25	7-12-94	2	10.0	N	~~N~~ Y	NA	NA	
22I05	7-12-94	2	8.5	N	N	NA	NA	Wooded Area
22I05-01								
22I05-02								
22I05-03								
22I05-04								
22I05-05								
22I05-06								
22I05-07								
22I05-08								
22I05-09								
22I05-10								
22I05-11								
22I05-12								
22I05-13								
22I05-14								
22I05-15								
22I05-16								
22I05-17								
22I05-18								
22I05-19								
22I05-20								
22I05-21								
22I05-22								
22I05-23								
22I05-24								
22I05-25								

JPH 8/16/94

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22J05	7-12-94	2	9.5	N	Y ~~N~~ 5/15/95	NA	NA	Wooded Area
22J05-01								
22J05-02								
22J05-03								
22J05-04								
22J05-05								
22J05-06								
22J05-07								
22J05-08								
22J05-09								
22J05-10								
22J05-11								
22J05-12								
22J05-13								
22J05-14			JOK 8/16/94					
22J05-15								
22J05-16								
22J05-17								
22J05-18								
22J05-19								
22J05-20								
22J05-21								
22J05-22								
22J05-23								
22J05-24								
22J05-25								
22K05	7-12-94	2	7.5	N	N	NA	NA	
22K05-01	↓	2	NA	N	N	NA	NA	heavy brush
22K05-02	↓	↓	NA	↓	↓	↓	↓	heavy brush
22K05-03	↓	↓	7.0	↓	↓	↓	↓	
22K05-04	↓	↓	6.5	↓	↓	↓	↓	
22K05-05	↓	↓	7.5	↓	↓	↓	↓	
22K05-06	↓	↓	6.0	↓	↓	↓	↓	

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22K05-07	7-12-94	2	6.5	N	N	NA	NA	
22K05-08			8.0	N	N			
22K05-09			NA		NA			heavy brush
22K05-10			NA		NA			heavy brush
22K05-11			NA		NA			
22K05-12			NA		NA			
22K05-13			7.5		N			
22K05-14			6.5					
22K05-15			6.5					
22K05-16			6.5					
22K05-17			6.5					
22K05-18			6.5					
22K05-19			7.0					
22K05-20			7.0					
22K05-21			8.5					
22K05-22			8.0					
22K05-23			7.0					
22K05-24			7.0					
22K05-25			7.0					
22L05								
22L05-01	7-13-94	2	9.5	N	N	NA	NA	
22L05-02			6.5					
22L05-03			5.5					
22L05-04			6.5					
22L05-05		~~2~~ 2	~~5.0~~ 8.5	~~N~~ N	~~N~~ N	SB 7-13-94		
22L05-06		~~2~~ 2	~~6.0~~ 6.5	~~N~~ N	~~N~~ N	SB 7-13-94		
22L05-07		2	5.5	N	N			
22L05-08			6.0					
22L05-09			6.5					
22L05-10			9.0					
22L05-11			8.5					
22L05-12			~~7.0~~ 6.0 SB 7-13-94					
22L05-13			6.0					
22L05-14	7-13-94	2	6.0	N	N	NA	NA	

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22L05-15	~~7-13-94~~ 7-13-94	~~2~~ 2	~~11.0~~ 9.5	~~N~~ N	~~N~~ N	~~NA~~ NA	~~NA~~ NA	~~SB 7-13-94~~
22L05-16	7-13-94	2	6.0	N	N	NA	NA	
22L05-17	↓	↓	5.5	↓	↓	↓	↓	
22L05-18	↓	↓	5.5	↓	↓	↓	↓	
22L05-19	↓	↓	6.5	↓	↓	↓	↓	
22L05-20	↓	↓	7.0	↓	↓	↓	↓	
22L05-21	7-13-94	2	6.0	N	N	NA	NA	
22L05-22	↓	↓	5.0	↓	↓	↓	↓	
22L05-23	↓	↓	5.5	↓	↓	↓	↓	
22L05-24	↓	↓	7.0	↓	↓	↓	↓	
22L05-25	~~7-13-94~~ 7-13-94	~~2~~ 2	~~11.0~~ 7.0	~~N~~ N	~~N~~ N	~~SB 7-13-94~~	↓	
22M05	~~7-13-94~~		~~10.0~~	~~N~~	~~N~~	~~NA~~	~~NA~~	~~SB 7-13-94~~
22F06	7-12-94	2	8.0	N	N	NA	NA	
22F06-01	7/13/94	2	9.0	N	N	NA	NA	
22F06-02	7/13/94	NA	NA	NA	NA	NA	NA	heavy brush
22F06-03	↓	↓	↓	↓	↓	↓	↓	↓
22F06-04	↓	↓	↓	↓	↓	↓	↓	↓
22F06-05	↓	↓	↓	↓	↓	↓	↓	↓
22F06-06	↓	↓	↓	↓	↓	↓	↓	↓
22F06-07	↓	↓	↓	↓	↓	↓	↓	↓
22F06-08	↓	↓	↓	↓	↓	↓	↓	↓
22F06-09	7/13/94	NA	NA	NA	NA	NA	NA	heavy brush
22F06-10	7/13/94	2	9.0	N	N	NA	NA	
22F06-11	7/13/94	2	8.5	N	N	NA	NA	
22F06-12	7/13/94	NA	NA	NA	NA	NA	NA	heavy brush
22F06-13	↓	↓	↓	↓	↓	↓	↓	↓
22F06-14	↓	↓	↓	↓	↓	↓	↓	↓
22F06-15	↓	↓	↓	↓	↓	↓	↓	↓
22F06-16	↓	↓	↓	↓	↓	↓	↓	↓
22F06-17	↓	↓	↓	↓	↓	↓	↓	↓
22F06-18	↓	↓	↓	↓	↓	↓	↓	↓
22F06-19	7/13/94	NA	NA	NA	NA	NA	NA	heavy brush

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22F06-20	7/13/94	2	3.5	N	N	NA	NA	
22F06-21	7/13/94	2	8.0	N	N	NA	NA	
22F06-22	7/13/94	NA	NA	NA	NA	NA	NA	heavy brush
22F06-23	↓	↓	↓	↓	↓	↓	↓	↓
22F06-24	↓	↓	↓	↓	↓	↓	↓	↓
22F06-25	↓	↓	↓	↓	↓	↓	↓	↓
22G06	7-12-94	2	10.0	N	Y	NA	NA	wooded area
22G06-01					GPH 8/15/95			
22G06-02								
22G06-03								
22G06-04								
22G06-05								
22G06-06								
22G06-07								
22G06-08								
22G06-09								
22G06-10								
22G06-11			GPH 8/16/94					
22G06-12								
22G06-13								
22G06-14								
22G06-15								
22G06-16								
22G06-17								
22G06-18								
22G06-19								
22G06-20								
22G06-21								
22G06-22								
22G06-23								
22G06-24								
22G06-25								
22H06								

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22H06-01	7-12-94	2	8.5	N	N	NA	NA	
22H06-02			9.0		X GPH 5/15/95			
22H06-03			10.0					
22H06-04			10.0					
22H06-05			12.0					
22H06-06			12.0					
22H06-07			9.5					
22H06-08			9.5					
22H06-09			9.5					
22H06-10			9.5					
22H06-11			9.0					
22H06-12			10.0					
22H06-13			11.5					
22H06-14			11.5					
22H06-15			11.0					
22H06-16			11.0					
22H06-17			11.0					
22H06-18			11.5					
22H06-19			11.0					
22H06-20			9.5					
22H06-21			9.5					
22H06-22			10.0					
22H06-23			12.0					
22H06-24			11.5		GPH 5/15/95			
22H06-25	7-12-94	2	11.5	N	~~N~~ Y	NA	NA	
22I06	7-12-94	2	8.0	N	N	NA	NA	wooded area
22I06-01								
22I06-02								
22I06-03								
22I06-04								
22I06-05			GPH 5/16/94					
22I06-06								
22I06-07								
22I06-08								

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22I06-09								
22I06-10								
22I06-11								
22I06-12								
22I06-13								
22I06-14								
22I06-15								
22I06-16								
22I06-17								
22I06-18			gpH 8/16/94					
22I06-19								
22I06-20								
22I06-21								
22I06-22								
22I06-23								
22I06-24								
22I06-25								
22J06	7-12-94	2	8.0	N	N	NA	NA	wooded brush
22J06-01								
22J06-02								
22J06-03								
22J06-04								
22J06-05								
22J06-06								
22J06-07								
22J06-08								
22J06-09			gpH 8/16/94					
22J06-10								
22J06-11								
22J06-12								
22J06-13								
22J06-14								
22J06-15								
22J06-16								

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22J06-17								
22J06-18								
22J06-19								
22J06-20			JPH 8/16/94					
22J06-21								
22J06-22								
22J06-23								
22J06-24								
22J06-25								
22K06	7-12-94	2	7.5	N	N	NA	NA	
22K06-01	7-13-94	NA	NA	NA	NA	NA	NA	WOODED AREA OR TRAILER
22K06-02								
22K06-03								
22K06-04								
22K06-05	7/13/94	2	7.0	N	N	NA	NA	
22K06-06			8.0					
22K06-07	7/13/94	NA	NA	NA	NA	NA	NA	WOODED AREA OR TRAILER
22K06-08								
22K06-09								
22K06-10								
22K06-11								
22K06-12								
22K06-13								
22K06-14								
22K06-15	7/13/94	2	7.0	N	N	NA	NA	
22K06-16			6.0					
22K06-17	7/13/94	NA	NA	NA	NA	NA	NA	WOODED AREA OR TRAILER
22K06-18								
22K06-19								
22K06-20								
22K06-21								
22K06-22								
22K06-23	7/13/94	2	7.5	N	N	NA	NA	
22K06-24			6.0					

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 22 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22K06-25	7/13/94	2	6.0	N	N	NA	NA	
22L06		SB ~~7-12-94~~	SB 7-12-94					
22L06-01	7/13/94	2	5.5	N	N	NA	NA	
22L06-02			5.5					
22L06-03			6.0					
22L06-04			9.0					
22L06-05	7-13-94	2	5.0	N	N	NA	NA	
22L06-06	7-13-94	2	6.0	N	N	NA	NA	
22L06-07	7/13/94	2	10.5	N	Y GPH 9/15/95	NA	NA	
22L06-08			6.0		N			
22L06-09			6.0					
22L06-10			6.0					
22L06-11			6.0					
22L06-12			6.0					
22L06-13			10.0		GPH 9/15/95			
22L06-14			11.0		Y			
22L06-15	7-13-94	2	11.0	N	Y N	NA	NA	
22L06-16	7-13-94	2	11.0	N	N	NA	NA	
22L06-17	7/13/94	2	10.5	N	N	NA	NA	
22L06-18			9.0		N GPH 9/15/95			
22L06-19			6.0					
22L06-20			6.0					
22L06-21			5.5					
22L06-22			6.0					
22L06-23			10.0					
22L06-24			10.0					
22L06-25	7-13-94	2	11.0	N	Y GPH 9/15/95	NA	NA	
22M06	Last Entry GPH 8/16/94							
22F07	7-12-94	2	8.0	N	N	NA	NA	wooded ½
22F07-01	7-13-94	2	8.0	N	N	NA	NA	
22F07-02	7-13-94	NA	NA	NA	NA	NA	NA	wooded area

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22F07-03	7/13/94	NA	NA	NA	NA	NA	NA	wooded area
22F07-04								
22F07-05								
22F07-06								
22F07-07								
22F07-08								
22F07-09								
22F07-10	7/13/94	2	8.0'	N	N	NA	NA	
22F07-11	7/13/94	2	8.0	N	N	NA	NA	
22F07-12		NA	NA	NA	NA	NA	NA	wooded area
22F07-13								
22F07-14								
22F07-15								
22F07-16								
22F07-17								
22F07-18								
22F07-19								
22F07-20	7/13/94	2	7.0	N	N	NA	NA	
22F07-21	7/13/94	2	5.0	N	N	NA	NA	
22F07-22			6.0					
22F07-23			7.5					
22F07-24			7.5					
22F07-25			8.0					
22G07	7-12-94	2	17.0	N	Y	NA	pg 283	
22G07-01	7-13-94	NA	NA	NA	NA	NA	NA	wooded brush
22G07-02								
22G07-03								
22G07-04								
22G07-05								
22G07-06								
22G07-07								
22G07-08								
22G07-09								
22G07-10	7-13-94	NA	NA	NA	NA	NA	NA	

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22G07-11	7-13-94	NA	NA	NA	NA	NA	NA	wooded area
22G07-12								
22G07-13								
22G07-14								
22G07-15								
22G07-16								
22G07-17								
22G07-18								
22G07-19								
22G07-20								
22G07-21	7/13/94	2	8.0	N	N	NA	NA	
22G07-22			7.0					
22G07-23			7.0					
22G07-24			7.0					
22G07-25			7.0					
22H07	7-12-94	2	9.0	N	N	NA	NA	wooded area
22H07-01	7-13-94	NA	NA	NA	NA	NA	NA	
22H07-02								
22H07-03								
22H07-04								
22H07-05								
22H07-06								
22H07-07								
22H07-08								
22H07-09								
22H07-10								
22H07-11								
22H07-12								
22H07-13								
22H07-14								
22H07-15								
22H07-16								
22H07-17								
22H07-18								

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22H07-19	7-13-94	NA	NA	NA	NA	NA	NA	Wooded area
22H07-20	↓	↓	↓	↓	↓	↓	↓	Wooded area
22H07-21	7/13/94	2	7.5	N	N	NA	NA	
22H07-22			8.0					
22H07-23			8.0					
22H07-24			8.5					
22H07-25	↓	↓	7.0	↓	↓	↓	↓	
22I07	7-12-94	2	13	N	~~N~~ Y 5/15/95 ~~NA~~	~~NA~~ NE 3 SE 9H 5/1/95	~~NA~~ 783	CP 7/13
22I07-01	7-13-94	NA	NA	NA	NA	NA	NA	wooded area
22I07-02								
22I07-03								
22I07-04								
22I07-05								
22I07-06								
22I07-07								
22I07-08								
22I07-09								
22I07-10								
22I07-11								
22I07-12								
22I07-13								
22I07-14								
22I07-15	↓	↓	↓	↓	↓	↓	↓	↓
22I07-16	7/13/94	2	7.0	N	N	NA	NA	
22I07-17			7.0					
22I07-18			8.0					
22I07-19			9.5					
22I07-20			11.0 ~~7.0~~ CP 7-13-94		Y 9H 5/15/95			
22I07-21			6.5		N			
22I07-22			6.5					
22I07-23			6.0					
22I07-24			6.0					
22I07-25	↓	↓	6.0	↓	↓	↓	↓	

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22J07	7-12-94	2	6.0	N	N	NA	NA	
22J07-01	7-13-94	NA	NA	NA	NA	NA	NA	wooded area
22J07-02								
22J07-03								
22J07-04								
22J07-05								
22J07-06								
22J07-07								
22J07-08								
22J07-09								
22J07-10								
22J07-11								
22J07-12								
22J07-13								
22J07-14								
22J07-15								
22J07-16	7/13/94	2	7.0	N	N	NA	NA	
22J07-17			6.0					
22J07-18			7.0					
22J07-19			7.0					
22J07-20			7.0					
22J07-21			6.0					
22J07-22			6.0					
22J07-23			6.0					
22J07-24			6.0					
22J07-25			6.0					
22K07	7-12-94	2	9.0	N	N	NA	NA	
22K07-01	7-13-94	NA	NA	NA	NA	NA	NA	wooded area
22K07-02	7-13-94	2	7.0	N	N	NA	NA	
22K07-03			6.5					
22K07-04			5.5					
22K07-05			5.0					
22K07-06			5.0					
22K07-07			5.5					

FIDLER SURVEY

ADC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22K07-08	7-13-94	2	5.5	N	N	NA	NA	
22K07-09			7.0					
22K07-10			9.0					
22K07-11			8.0					
22K07-12			7.0					
22K07-13			5.5					
22K07-14			5.5					
22K07-15			5.5					
22K07-16			5.5					
22K07-17			5.5					
22K07-18			6.0					
22K07-19			5.5					
22K07-20			6.0					
22K07-21			6.0					
22K07-22			5.0					
22K07-23			6.0					
22K07-24			6.0					
22K07-25			6.0					
22L07	7-13-94							
22L07-01	~~7-13-94~~	~~22~~	~~5.0~~ 5.0	~~N~~ N	N	NA	NA	
22L07-02			SB 7-12-94 ~~6.0~~ 5.0					
22L07-03			SB 7-12 ~~6.0~~ 6.0					
22L07-04			SB 7-12 ~~10.0~~ 6.0					
22L07-05			SB 7-12 ~~7.0~~ 9.0					
22L07-06			SB 7-12 ~~6.0~~ 9.0					
22L07-07			SB 7-12 ~~6.0~~ 8.0					
22L07-08			SB 7-12 ~~6.0~~ 5.5					
22L07-09			SB 7-12 ~~6.0~~ 6.0					
22L07-10			SB 7-12 ~~5.0~~ 6.0					
22L07-11			SB 7-12 ~~5.0~~ 6.0					
22L07-12			SB 7-12 ~~5.0~~ 5.5					
22L07-13			SB 7-12 ~~6.0~~ 5.5					
22L07-14			SB 7-12 ~~6.0~~ 5.5					
22L07-15	7-13-94	2	SB 7-12 ~~7.0~~ 5.5	N	N	NA	NA	

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22L07-16	7-13-94	2	6.0	N	N	NA	NA	
22L07-17	↓	↓	5.0	↓	↓	↓	↓	
22L07-18	↓	↓	6.0	↓	↓	↓	↓	
22L07-19	↓	↓	6.0	↓	↓	↓	↓	
22L07-20	↓	↓	6.0	↓	↓	↓	↓	
22L07-21	↓	↓	6.0	↓	↓	↓	↓	
22L07-22	↓	↓	5.5	↓	↓	↓	↓	
22L07-23	↓	↓	5.5	↓	↓	↓	↓	
22L07-24	↓	↓	5.5	↓	↓	↓	↓	
22L07-25	7-13-94	2	6.0	N	N	NA	NA	
22M07	No Entry JPH 8/16/94							
22F08	7-12-94	2	4.5	SB 7/12/94 ~~NA~~ N	N	NA	NA	
22F08-01	7/13/94	2	5.0	N	N	NA	NA	
22F08-02	↓	↓	6.5	↓	↓	↓	↓	
22F08-03	↓	↓	7.0	↓	↓	↓	↓	
22F08-04	↓	↓	6.0	↓	↓	↓	↓	
22F08-05	↓	↓	6.5	↓	↓	↓	↓	
22F08-06	↓	↓	5.0	↓	↓	↓	↓	
22F08-07	↓	↓	6.0	↓	↓	↓	↓	
22F08-08	↓	↓	6.0	↓	↓	↓	↓	
22F08-09	↓	↓	5.0	↓	↓	↓	↓	
22F08-10	↓	↓	5.0	↓	↓	↓	↓	
22F08-11	↓	↓	5.0	↓	↓	↓	↓	
22F08-12	↓	↓	5.0	↓	↓	↓	↓	
22F08-13	↓	↓	5.5	↓	↓	↓	↓	
22F08-14	↓	↓	5.5	↓	↓	↓	↓	
22F08-15	↓	↓	6.0	↓	↓	↓	↓	
22F08-16	↓	↓	5.5	↓	↓	↓	↓	
22F08-17	↓	↓	6.0	↓	↓	↓	↓	
22F08-18	↓	↓	5.5	↓	↓	↓	↓	
22F08-19	↓	↓	6.0	↓	↓	↓	↓	
22F08-20	↓	↓	5.0	↓	↓	↓	↓	

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22F08-21	7/13/94	2	5.5	N	N	NA	NA	
22F08-22			6.0					
22F08-23			6.0					
22F08-24			6.0					
22F08-25			6.0					
22G08	7-12-94	2	8.0	N	N	NA	NA	
22G08-01	7/13/94	2	7.0	N	N	NA	NA	
22G08-02			7.0					
22G08-03			7.5					
22G08-04			7.5					
22G08-05			7.5					
22G08-06			6.5					
22G08-07			6.5					
22G08-08			6.5					
22G08-09			6.0					
22G08-10			6.0					
22G08-11			5.5					
22G08-12			6.0					
22G08-13			6.5					
22G08-14			7.0					
22G08-15			7.0					
22G08-16			6.5					
22G08-17			6.0					
22G08-18			6.0					
22G08-19			6.0					
22G08-20			5.5					
22G08-21			6.0					
22G08-22			6.5					
22G08-23			7.0					
22G08-24			7.0					
22G08-25			7.5					
22H08	7-12-94	2	6.5	N	N	NA	NA	
22H08-01	7-13-94		7.5					

FIDLER SURVEY

Acc 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22H08-02	7/13/94	2	7.0	N	N	NA	NA	
22H08-03			7.5					
22H08-04			7.0					
22H08-05			7.0					
22H08-06			7.0					
22H08-07			6.5					
22H08-08			7.0					
22H08-09			6.5					
22H08-10			6.5					
22H08-11			6.5					
22H08-12			7.0					
22H08-13			6.0					
22H08-14			7.0					
22H08-15			6.5					
22H08-16			6.5					
22H08-17			6.5					
22H08-18			6.5					
22H08-19			6.5					
22H08-20			6.5					
22H08-21			7.0					
22H08-22			6.5					
22H08-23			6.5					
22H08-24			6.5					
22H08-25			6.5					
22I08								
22I08-01	7/13/94	2	6.5	N	N	NA	NA	
22I08-02			6.0					
22I08-03			6.0					
22I08-04			6.0					
22I08-05			6.0					
22I08-06			6.0					
22I08-07			6.0					
22I08-08			6.5					
22I08-09			6.0					

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FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1

PROJECT NO.: 3485

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22I08-10	7/13/94	2	6.0	N	N	NA	NA	
22I08-11			6.0					
22I08-12			6.5					
22I08-13			6.5					
22I08-14			6.0					
22I08-15			6.5					
22I08-16			8.0					
22I08-17			7.0					
22I08-18			6.0					
22I08-19			6.0					
22I08-20			6.0					
22I08-21			6.5					
22I08-22			6.0					
22I08-23			5.5					
22I08-24			6.5					
22I08-25			7.5					
22J08								
22J08-01	7/13/94	2	5.5	N	N	NA	NA	
22J08-02			6.0					
22J08-03			6.0					
22J08-04			5.5					
22J08-05			5.5					
22J08-06			6.0					
22J08-07			5.5					
22J08-08			5.0					
22J08-09			5.0					
22J08-10			6.0					
22J08-11			6.0					
22J08-12			6.0					
22J08-13			5.5					
22J08-14			5.0					
22J08-15			5.5					
22J08-16			6.0					
22J08-17			7.5					

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22J08-18	7/13/94	2	7.0	N	N	NA	NA	
22J08-19			7.5					
22J08-20			7.5					
22J08-21			7.5					
22J08-22			7.0					
22J08-23			7.0					
22J08-24			6.0					
22J08-25			6.0					
22K08								
22K08-01	7/13/94	2	5.0	N	N	NA	NA	
22K08-02			5.5					
22K08-03			6.0					
22K08-04			6.0					
22K08-05			6.0					
22K08-06			6.0					
22K08-07			5.5					
22K08-08			6.0					
22K08-09			6.0					
22K08-10			5.5					
22K08-11			7.5					
22K08-12			6.5					
22K08-13			5.5					
22K08-14			5.5					
22K08-15			6.0					
22K08-16			6.0					
22K08-17			6.0					
22K08-18			6.0					
22K08-19			6.0					
22K08-20			6.0					
22K08-21			5.0					salt/road
22K08-22			5.0					salt/road
22K08-23			6.0					
22K08-24			5.0					
22K08-25			5.5					

FIDLER SURVEY

AOC 22

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
22L08								
22L08-01	7/13/94	2	5.0	N	N	NA	NA	
22L08-02			5.0					
22L08-03			6.0					
22L08-04			5.0					
22L08-05			5.0					porta-potty
22L08-06			5.5					porta-potty
22L08-07			5.5					
22L08-08			5.5					
22L08-09			5.5					
22L08-10			5.5					
22L08-11			5.5					
22L08-12			5.5					
22L08-13			5.0					
22L08-14			5.0					
22L08-15			5.0					
22L08-16			4.5					
22L08-17			NA *					* Dumpster
22L08-18			5.0					
22L08-19			5.0					
22L08-20			5.0					
22L08-21			NA *					drums
22L08-22			NA *					drums
22L08-23			5.0					
22L08-24			5.0					
22L08-25			5.0					
22M08								
22F09			JPH 11/8/16/94					
22G09								

Soil Gas Logbook

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AREA 21
AREA 3
AREA 7
AREA J
AREA SDB
AREA 61

SOIL GAS
LOG BOOK

PROJECT TITLE: EG&G MOUND OU5 OPERATIONAL AREA
PHASE 1 RI/FS FIELD INVESTIGATIONS

WORK SITE: *MOUND PLANT*
Miamisburg, Ohio
OU5 New Property

ACTIVITY: *Mound OU5 Operational Area Phase 1 RI/FS*
Field Investigations

CONTRACT #: *BOA 52264*
TASK ORDER: *34896*

PROJECT MANAGER: *Thomas Tank*
COMPANY NAME / ADDRESS: *Science Applications International Corporation*
4031 Colonel Glenn Hwy ,Dayton, Ohio 45431
TELEPHONE NUMBERS: *(513) 429-2699*

SUPERVISORS: *OU5 Manager: Alan Spesard (513)865-3859*
SAIC Proj. Manager: Thomas Tank (513)429-2699

EMERGENCY RESPONCE: *Police / Ambulance / Fire 911 or 865-4040*

PROCEDURES: *SOP 1.1, SOP 2.2, SOP 3.1, SOP 5.1, SOP 6.1,*
SOP 6.3

START DATE: 06/22/94
END DATE:

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PROJECT NO.: 34896

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TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/22/94 TIME: NA PAGE 1 OF 7

Task Team Members: Pg. 1

M. Howard
M. Monroe
R. Mowen

MTH 06/22/94

Narrative (include time and location):

0600 - Arrive @ SAIC trailers. load equipment for today's activities
0625 - Call R. Mowen to meet us next to AOC 22.
0635 - Pick up R. Mowen @ Building 30 Drive to AOC 22.
0637 - Arrive AOC 22. Set up on Row F
0640 - Set up on ~~22F09~~ MTH 6/22/94 Oops! We almost forgot to install two timers in AOC 22
0645 - Drove to trailers to pick up timers.
0655 - Set up on 22H06/~~P54~~ MTH 6/22/94 to install timers. Begin drilling
0700 - Determine hand auger hard to use. Switch to electric drill
0705 - Begin drilling 22H06/~~P54~~ MTH 6/22/94.
0708 - After 3rd attempt, determine we aren't going to get deep enough to install timers. Move to 22G06/~~P55~~ P54 MTH 6/22/94 to attempt holes there
0716 - Install 22G06/~~P55~~ P54 MTH 6/22/94 Full
0718 - Begin drilling Timer #1 @ 22G06/~~P55~~ P54 MTH 6/22/94
0722 - Install Timer #1 @ 22G06/~~P55~~ P54 MTH 6/22/94 Full
0723 - Drill Timer #2 @ 22G06/~~P55~~ P54 MTH 6/22/94
0724 - Install Timer #2 @ 22G06/P54 Full.
0728 - Decanning bits. Scanned by HP for α & β γ
0731 - Set up on second timer location 22H02/P55 Begin drilling
MTH 6/22/94

Daily Weather Conditions: A.M. ~68° F clear, low humidity
P.M. NA

Recorded By MTH Howard QA Checked By Juliette Thompson

TASK TEAM ACTIVITY LOG SHEET SOILG

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 TASK NO.: 348

Date (mm/dd/yy): 06/22/94 TIME: NA PAGE 2 OF 7

Task Team Members:

See 1&7

pg. 2
MTH
06/22/94

Narrative (include time and location):

0733 Install 22H02/P55 Full.
0734 Install Timer #1 @ 22H02/P55 Full.
0735 Install Timer #2 @ 22H02/P55 Full.
0748 - Decanning bit
0748 - Set up on 22F09/P56 Begin drilling
0754 - Refusal on Rock ~16"
0755 - Install 22F09/P56 ~16"
0757 - Decanning bit. Set up on 22F08/P57 Begin drilling
0802 - Install 22F08/P57 Full. Very Rocky
0804 - Decanning bit. Set up on 22G08/P58
0807 - Begin drilling 22G08/P58
0809 - Install 22G08/P58 Full.
0810 - Decanning bit Set up on 22G09/P59
0812 - Begin drilling 22G09/P59
0814 - Install 22G09/P59 Full.
0815 - Decon bit. Set up on 22H08/P60 → R. Long on site
0817 - Begin drilling 22H08/P60 re-scan points &
0819 - Install 22H08/P60 Full.
0820 - Decon bit Set up on 22H09/P61
0822 - Begin drilling 22H09/P61

Daily Weather Conditions: A.M. ~74°F Hot Sunny

P.M. NA

Recorded By MRK Tabor QA Checked By Juletta Humpert

LGAS
34896
7

TASK TEAM ACTIVITY LOG SHEET

SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1

TASK NO.: 34896

Date (mm/dd/yy): 06/22/94 TIME: NA PAGE 3 OF 7

Task Team Members:

Pg. 3

Sle 1 of 7

MTH 06/22/94

Narrative (include time and location):

0824 - Install 22H09/P61 Full
0825 - Set up on 22I08/P62 Decon Bit.
0830 - Begin drilling 22I08/P62
0831 - Install 22I08/P62 Full
0832 - Decon Bit. Set up on 22I09/P63
0834 - Begin drilling 22I09/P63
0836 - Install 22I09/P63 Full.
0837 - Decon Bit. Set up on 22J08/P64
0839 - Begin drilling 22J08/P64
0840 - Install 22J08/P64 Full
0842 - Decon Bit. Set-up on 22J09/P65
0847 - Begin drilling 22J09/P65
0849 - Install 22J09/P65 Full
0851 - Decon Bit - Set up on 22K08/P66
0853 - Begin drilling 22K08/P66
0856 - Install ~~22K08/P66~~ MTH 6/22/94 ~~Full~~ 22K08/P66 Full
0858 - Decon Bit. Set up on ~~22J08/P~~ MTH 6/22/94 22K09/P67
0902 - Begin drilling 22K09/P67
0905 - Install 22K09/P67 Full
0907 - Decon Bit. Set up on 22L08/P68

b
& New
ones

Daily Weather Conditions: A.M. ~76°F Sunny Humid

P.M. NA

Recorded By Mark D Hansen QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/22/94 TIME: NA PAGE 4 OF 7

Task Team Members:

Sel/S/7

pg 4
MTH
06/22/94

Narrative (include time and location):

0906 - H_2O Break.
0913 - Begin drilling 22L08/P68
0923 - 3rd attempt went full
0924 - Install 22L08/P68 Full.
0925 - Decon Bit. Set up on 22L09/P69. This point was under many drums, so it was moved ≈ 6' N.
0926 - Begin drilling 22L09/P69
0928 - Install 22L09/P69 Full
0930 - Decon Bit. Set up on 22L07/P70
0932 - Begin drilling 22L07/P70
0937 - Install 22L07/P70 Full
0938 - Decon Bit. Set up on 22L06/P71
0940 - Begin drilling 22L06/P71
0943 - Install 22L06/P71 Full
0945 - Decon Bit Set up on 22L05/P72
0946 - Begin drilling 22L05/P72
0948 - Install 22L05/P72 Full
0950 - Decon Bit Set up on 22L04/P73
0954 - Begin drilling 22L04/P73
0956 - Install 22L04/P73 Full.

Daily Weather Conditions: A.M. ~81°F Sunny

P.M. NA

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/22/94 TIME: NA PAGE 5 OF 7

Task Team Members:

See 1 of 7

pg 5

MTH 06/22/94

Narrative (include time and location):

0958 - Decon Bit. Set up on 22L03/P74
0959 - Begin drilling 22L03/P74
1002 - Install 22L03/P74 Full
1004 - Decon Bit. Set up on 22L02/P75.
1007 - Begin drilling 22L02/P75
1008 - Install 22L02/P75 Full
1009 - Decon Bit. Setup on 22L01/P76
1012 - ~~Begin drilling 22L01/P~~ MTH 6/22/94 OOPS! We ran out of sample tubes. We're just too much for our bad selves.
1013 - Drive to trailers to get tubes, gloves, H_2O!, gas. Take R. Mowen to HP building to get more sample dishes
1030 - Stop by Building 4 to swap out dosimeters b/c they were closed this morning.
1036 - Pick up R. Mowen @ 30.
1046 - Begin drilling 22L01/P76
1049 - Install 22L01/P76 Full. Start Bag #4
1052 - Decon Bit. Set up on 22M01/P77
1055 - Begin drilling 22M01/P77
1057 - Install 22M01/P77 Full
1100 - Decon Bit. Set up on 22M02/P78
1108 - Begin drilling 22M02/P78

Daily Weather Conditions: A.M. ~83°F Sunny

P.M. NA

Recorded By Mark R. Renaud QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/22/94 TIME: N/A PAGE 6 OF 7

Task Team Members:

See 1 & 7

pg 6.
MTH
06/22/94

Narrative (include time and location):

1111 - Install 22M02/P78 ~16" Refusal due to Rock
1113 - Decon Bit. Set up on 22M03/P79
1114 - Begin drilling 22M03/P79
1116 - Install 22M03/P79 Full
1117 - Decon Bit. Set up on 22M04/P80
1120 - Begin drilling 22M04/P80.
1123 - Install 22M04/P80 ≈16" due to Refusal on Rock.
1125 - Decon Bit. Set up on 22M05/P81
1128 - Begin drilling 22M05/P81
1130 - Install 22M05/P81 Full
1132 - Decon Bit. Set up on 22M06/P82
1136 - Begin drilling 22M06/P82
1138 - Install 22M06/P82 Full
1139 - Decon Bit. Set up on 22M07/P83
1140 - Begin drilling 22M07/P83
1143 - Install 22M07/P83 Full
1144 - Decon Bit. Set up on 22M08/P84 Begin drilling.
1145 - Install 22M08/P84 Full
1147 - Decon Bit. Set up on ~~22M08~~ MM 6/22/94 22M09/P85. Point moved ≈ 5' W b/c of barrels in the way

Daily Weather Conditions: A.M. ~82°F Sunny Clear

P.M. NA

Recorded By: [signature] QA Checked By: Jolette Humpert

ILGAS
34896

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/22/94 TIME: N/A PAGE 7 OF 7

Task Team Members:
See 1 of 7

pg. 7
MTH
06/22/94

Narrative (include time and location):

1148 - Begin drilling 22M09/P85.
1152 - Install 22M09/P85. Full
1155 - Pack up equipment for lunch. R. Long will meet at trailer @ 1315
1305 - Return from Lunch.
1335 - Waiting @ trailers for R. Long
1340 - R. Long drove by. Said He'd meet us at points. Called R. Mowen. Going to pick him up at B-30 (HP hut)
1402 - Waiting for R. Long to arrive at points.
1415 - R. Long arrives after taking a wrong turn.
~~1420 - Set up~~ MTH 6/22/94 Go to NON-AOC Book for rest of 06/22/94

MTH
06/22/94

Daily Weather Conditions: A.M. ~84°F Sunny Hot
P.M. ~89°F Sunny Hot Humid MTH 6/22/94

Recorded By Mark T. Howard QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL/GAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/28/94 TIME: NA PAGE 1 OF 4

Task Team Members: pg. 20

M. Monroe

M. Howard

J. Tackett

MTM 06/28/94

Narrative (include time and location):

0600 - Arrive @ SAIC trailers. The truck we have been using is not in the parking lot, so we are w/o vehicle. Preparing sample tubes for today's installation activities.

0700 - Still waiting for truck.

0725 - We have our truck. Loading equipment.

0740 - Call HP Hut to have J. Tackett meet us @ AOC 22.

0746 - Arrive AOC 22. Get equipment ready for 22F07/P166

0750 - Set up on 22F07/P166. Begin drilling.

0755 - Install 22F07/P166 Full

0756 - Getting electric drill ready - It would be faster than hand augering.

0757 - R. Long on site. Here to write up new Burn permit & to get past weeks installation activities.

0809 - Set up on 22F06/P167. Begin drilling.

0811 - Install 22F06/P167. Full

0815 - R. Long departs to clear points from 7N down.

0822 - Set up on 22F05/P168. Begin drilling

0824 - Install 22F05/P168. Full

0825 - Set up on 22F04/P169. Begin drilling

0830 - Install 22F04/P169. Full

0832 - Set up on 22F03/P170. Begin drilling

Daily Weather Conditions: A.M. ~67°F partly cloudy

P.M. NA

Recorded By: Mark Tackett

QA Checked By: Jeffrey Humpert

GAS
4896

TASK TEAM ACTIVITY LOG SHEET

SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1

TASK NO.: 34896

Date (mm/dd/yy): 06/28/94 TIME: NA PAGE 2 OF 4

Task Team Members:

Sec 1 & 4

pg 21

MTM 06/28/94

Narrative (include time and location):

0834 - Install 22F03/P170 - Full
0838 - Set up on 22F02/P171. Begin drilling.
0841 - Install 22F02/P171. Full
0842 - Set up on 22F01/P172. Begin drilling
0844 - Install 22F01/P172. Full
0846 - Set up on 22G01/P173. Begin drilling
0850 - Install 22G01/P173. Full
0853 - Set up on 22G02/P174. Begin drilling.
0855 - Install 22G02/P174. Full
0857 - Set up on 22G03/P175. Begin drilling
0859 - Install 22G03/P175. Full
0900 - Decon bits
0902 - Set up on 22G04/P176. Begin drilling
0904 - Install 22G04/P176 ~12" Refusal on Rock
0906 - Set up on 22H04/P177. Begin drilling.
0908 - Install 22H04/P177. Full
0910 - Set up on 22H03/P178. Begin drilling
0913 - Install 22H03/P178. Full
0915 - Call R. Moren about entering Rad Area.
0920 - R. Moren on site. He gave us an H&S briefing.

Daily Weather Conditions: A.M. ~70°F partly cloudy

P.M. NA

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/28/94 TIME: NA PAGE 3 OF 4

Task Team Members: Pg. 22

See 1806 4

MJH 06/28/94

Narrative (include time and location):

AOC 22.

1000 - Leave AOC 22 to get extra equipment to install tubes In AOC 22.

1025 - Return to AOC 22. Getting equipment ready for installation activities. Dressing out for RAD Area.

1040 - Set up on 22G05/P179

1045 - Begin drilling 22G05/P179

1047 - Install 22G05/P179 Full

1053 - Set up on 22G07/P180. Begin drilling

1056 - Install 22G07/P180. Full

1100 - Set up on 22H07/P181. Begin drilling

1103 - Install 22H07/P181 Full

1104 - Set up on 22H06/P182. Begin drilling

1107 - Install 22H06/P182. Full

1110 - Set up on 22H05/P183. Begin drilling

1113 - Install 22H05/P183. Full

1116 - Set up on 22I07/P184. Begin drilling

1120 - Install 22I07/P184 Full

1123 - Set up on 22J07/P185. Begin drilling.

1125 - Install 22J07/P185. Full

Daily Weather Conditions: A.M. ~72°F partly cloudy

P.M. NA

Recorded By: Mark T. Hornack

QA Checked By: Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/28/94 TIME: NA PAGE 4 OF 4

Task Team Members: pg. 23

See 1 of 4

MTH 06/28/94

Narrative (include time and location):

1128 - Set up on 22K07/P186. Begin drilling
1130 - Install 22K07/P186. Full
1133 - Decon bits.
1140 - Set up on 22I06/P187 Begin drilling
1142 - Install 22I06/P187 Full
1145 - Set up on 22J06/P188. Begin drilling
1146 - Install 22J06/P188. Full
1148 - Set up on 22K06/P189. Begin drilling
1150 - Install 22K06/P189. Full
1154 - Scanning out of Area by HP. Because of the heat and the extreme amount of sweat we are generating, Installation activities will be curtailed until the morning of 06/29/94 @ ~630 AM.
1225 - Page R. Long to get more permits. Go to lunch
1315 - Return from Lunch. R. Long still has not returned the page so we paged him again.
1340 - Met w/ R. Long. He will drop off drilling permits for remaining to the trailer later today. For activities for the rest of today, see NON-AOC Logbook. We will be pulling NON-AOC 1-26.

MTH 06/28/94

Daily Weather Conditions: A.M. ~78°F overcast

P.M. ~83°F cloudy then sunny then cloudy then sunny then...

Recorded By Mark T. Howard QA Checked By Juletta Hampton

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/29/94 TIME: NA PAGE 1 OF 3

Task Team Members:

M. Howard — Pg 24.

M. Monroe — MM 06/29/94

J. Tackett (HP)

Narrative (include time and location):

0600 - Arrive SAIC trailers. Load equipment into truck

0620 - Call HP Hot to let J. Tackett know we were ready. He said it would be about 10 minutes. He'll meet us at AOC 22

0645 - Arrive AOC 22. Setup equipment.

0707 - Set up on 22I05/P190. Begin drilling

0710 - Install 22I05/P190. Full

0711 - Set up on 22J05/P191. Begin drilling

0713 - Install 22J05/P191. Full

0714 - Set up on 22K05/P192. Begin drilling

0716 - Install 22K05/P192. Full

0725 - Set up on 22I04/P193. Begin drilling

0726 - Install 22I04/P193. Full

0727 - Set up on 22J04/P194. Begin drilling

0729 - Install 22J04/P194. Full

0731 - Set up on 22K04/P195. Begin drilling

0733 - Install 22K04/P195. Full

0740 - Set up on 22I03/P196. Begin drilling.

0743 - Install 22I03/P196. Full

0744 - Set up on 22J03/P197. Begin drilling

0745 - Install 22J03/P197. Full

Daily Weather Conditions: A.M. ~67°F Clear

P.M. NA.

Recorded By Mark Howard — QA Checked By Jolette Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL/GAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/29/94 TIME: NA PAGE 2 OF 3

Task Team Members: See 1 of 3

Pg. 25

MAH 06/29/94

Narrative (include time and location):

0746 - Setup on 22K03/P198. Begin drilling

0748 - Install 22K03/P198. Full

0800 - Setup on 22I02/P199. Begin drilling

0803 - Install 22I02/P199. Full

0806 - Setup on 22J02/P200. Begin drilling

0808 - Install 22J02/P200. Full Box #10

0809 - Set up on 22K02/P201. Begin drilling

0811 - Install 22K02/P201. Full

0818 - Set up on 22H01/P202. Begin drilling

0820 - Install 22H01/P202. Full

0821 - Set up on 22I01/P203. Begin drilling

0825 - Install 22I01/P203. Full

0827 - Set up on 22J01/P204. Begin drilling

0830 - Install 22J01/P204. Full

0833 - Set up on 22K01/P205. Begin drilling

0835 - Install 22K01/P205. Full

0840 - Deconning bits for the thousandth time! Getting equipment scanned out & preparing to pull timers from AOC 22

0848 - Pull Timer #1 @ 22G06/P54 Scanned out of AOC 22

0855 - Pull Timer #1 @ 22H02/P55 - Timers fedexed 6/29/94

Airbill # ~~3465302983~~ 9289476534

Daily Weather Conditions: A.M. ~72°F clear sunny

P.M. NA

Recorded By Mark Tarara QA Checked By Juletta Trumpert

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/29/94 TIME: NA PAGE 3 OF 3

Task Team Members:

See 1 of 3

Pg. 26

MTH 06/29/94

Narrative (include time and location):

0910 - get equipment ready for installation activities & figure out where we can go w/ the permits we have.

Switch to NON-AOC Logbook for remainder of 06/29/94.

MTH 06/29/94

Daily Weather Conditions: A.M. ~74°F clear

P.M. NA

Recorded By MARK T. HENDRED QA Checked By Jolette Humpert

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 06/30/94 TIME: NA PAGE 1 OF 1

Task Team Members:

pg 28

M. Howard

J. Humpert

MTH 06/30/94

Narrative (include time and location):

J. Humpert spoke w/ NERI about timers from AOC 22.
Timer #1 @ 54 had Low-Moderate levels of
Petroleum Hydrocarbons (+terpenes).
Timer #2 @ 55 had Moderate levels of C9 Alkyl Benzene
(possibly like Tri-methyl Benzene)
* Exposure Time for AOC 22 tubes should be 10-14 days *.

MTH 06/30/94

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By: Mark Howard

QA Checked By: Juletta Humpert

AS
896

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — **TASK NO.: 34896**

Date (mm/dd/yy): 7/7/94 TIME: NA : NA PAGE 1 OF 1

Task Team Members: Pg. 29

Mike Monroe
George Wahl
J Tackett

MH 7/7/94

Narrative (include time and location):

13:30 Removed 22G6/54 sample tube
13:31 Removed second timer 22G6/54
13:38 Removed second timer 22H2/55
13:40 Removed 22H2/55 sample tube
~~13:45~~ 14:45 7/7/94 Removed 22F9/56 sample tube
14:18 Removed 22F8/57 sample tube
14:21 - Removed 22G8/58 sample tube
14:24 - Removed 22G9/59 sample tube
14:35 ~~14:29~~ - Removed 22H8/60 sample tube
broke tube placed wires in new tube
14:39 - Removed 22H9/61 sample tube
14:42 - Removed 22I8/62 sample tube
15:55 - Removed 22I9/63 sample tube
16:48 - Removed 21C6/96 timer #2
16:52 - Removed 21H2/97 timer #2
Last Entry

Note: On 7/6/94 - talked to P. Bedard of NERI about Area 21 timers. Timer #1 (96) had low levels of Hydrocarbons and VERY low levels of TCE. Timer #1 (97) had low levels of HC. Tubes need longer. Need to pull #2 timers and send. J Humpert 7/8/94

Daily Weather Conditions: A.M. NA
P.M. 91°F

Recorded By George Wahl QA Checked By J Humpert

GAS
34896

TASK TEAM ACTIVITY LOG SHEET

SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 7/11/94 TIME: NA : NA PAGE 1 OF 2

Task Team Members:

Mike Monroe — pg. 31
George Wahl
J TACKETT

NM 7/11/94

Narrative (include time and location):

Ø7:38 - arrive area 22
Ø740 - pulled 22K9/P67
Ø742 - BEGIN TRYING TO PULL 22L8/P68. HOLE HAS CAVED IN.
Ø817 - PULLED 22L8/P68.
Ø8ØØ - BEGIN TRYING TO PULL 22L9/P69. HOLE HAS CAVED IN.
Ø835 - PULLED 22L9/P69.
Ø942 - Pulled 22L3/P74
1237 - Pulled 22M4/P80
1241 - Pulled 22M3/P79
1243 - Pulled 22M2/P78
1246 - Pulled 22M5/P81
1253 - Pulled 22M6/P82
1256 - Pulled 22M7/P83
1315 - Pulled 22M8/P84
1330 - Pulled 22M9/P85
1423 - Setup on SDBK1/P266 begin drilling
1425 - Installed SDBK1/P266 full, bag #13
1429 - Setup on SDBK2/P267 begin drilling
1435 - Installed SDBK2/P267 full, bag #
1439 - setup on SDBK3/P268 begin drilling

Daily Weather Conditions: A.M. 75°F
P.M. 80°F

Recorded By George Wahl QA Checked By

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 7-13-94 TIME: NA PAGE 1 OF 2

Task Team Members:

J Humpert pg. 48

J. Alvarado

JPH 7/13/94

Narrative (include time and location):

Ø83Ø Pulling samplers in Area 22. Meeting with R. Mowen at Area 22 to pull samplers within HP area. Pulling 22GØ5/179

Ø839 Pulling 22HØ6/182

Ø835 Pulling 22IØ6/187

Ø838 Pulling 22IØ7/184

Ø84Ø Pulling 22HØ7/181

Ø844 Pulling 22HØ5/183

Ø846 Pulling 22IØ5/19Ø

Ø848 Pulling 22IØ4/193

Ø851 Pulling 22IØ3/196

Ø854 Pulling 22IØ2/199

Ø857 Pulling 22HØ1/2Ø2

Ø9Ø2 Pulling 22IØ1/2Ø4

Ø9Ø8 Pulling 22KØ1/2Ø5

Ø9Ø9 Pulling 22JØ2/2ØØ

Ø913 Pulling 22KØ2/2Ø1

Ø915 Pulling 22KØ3/198

Ø918 Pulling 22JØ3/197

Ø92Ø Pulling 22IØ3/2Ø3

Daily Weather Conditions: A.M. Sunny, 75°F

P.M. Sunny, 85°F

Julie Humpert

QA Checked By Laura M. Moss 7/13/94

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 34896

Date (mm/dd/yy): 7-13-94 TIME: NA PAGE 2 OF 2

Task Team Members:

J H

J. A

Pg. 49

JPH 7/13/94

Narrative (include time and location):

0923 Pulling 22J04 /194
0926 Pulling 22K04 / 195
0929 Pulling 22K05 /192
0932 Pulling 22K06 / 189
0934 Pulling 22K07 / 186
0937 Pulling 22K07 / 185 JPH 7/13/94
0938 Pulling 22J06 /188
0940 Pulling 22J05 /191
0945 Pulling 22G07 /180
1004 Pulling 22F07 /166
1008 Pulling 22F06 /167
1013 Pulling 22F04 /169
1016 Pulling 22F03 /170
1018 Pulling 22F02 /171
1020 Pulling 22F05 /168 - broken on retrieval - wires placed in empty sample tube.
1020 Pulling 22F01 /172
1023 Pulling 22G01 /173 ; 1026 Pulling 22G02/174; 1029 Pulling 22G03 /175; 1030 Pulling 22G04/176 ; 1032 Pulling 22H04/177; 1035 Pulling 22H03/178. Tubes scanned - OK. Last Entry.

Daily Weather Conditions: A.M. Sunny, 75°F

P.M. Sunny, 85°F

Recorded By Joletta Humpert QA Checked By Laura M. Morrison

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 261 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) [illegible]	COC NUMBER	COMMENTS
22FØ1		172	06/28/94 0844	7/13/94 1Ø2Ø	ND	ND	NA	Bag #8 Full
22FØ2		171	06/28/94 0841	7/13/94 1Ø23	ND	ND		Bag #8 Full
22FØ3		170	06/28/94 0834	7/13/94 1Ø16	ND	ND		Bag #8 Full
22FØ4		169	06/28/94 0830	7/13/94 1Ø13	ND	ND		Bag #8 Full
22FØ5		168	06/28/94 0824	7/13/94 1Ø2Ø	ND	ND		Bag #8 Full, broken on retrieval
22FØ6		167	06/28/94 0811	7/13/94 1ØØ8	ND	ND		Bag #8 Full
22FØ7		166	06/28/94 0755	7/13/94 1ØØ4	ND	ND		Bag #8 Full
22FØ8		57	06/22/94 0802	7/7/94 14:18	ND	ND		Bag #3 Full; Rocky
22FØ9		56	06/22/94 0755	7/7/94 14:15	ND	ND		Bag #3 [illegible] ≈16"
				JMH 8/18/94				
22GØ1		173	06/28/94 0850	7/13/94 1Ø23	ND	ND	NA	Bag #8 Full
22GØ2		174	06/28/94 0855	7/13/94 1Ø26	ND	ND		Bag #8 Full
22GØ3		175	06/28/94 0859	7/13/94 1Ø29	ND	ND		Bag #8 Full
22GØ4		176	06/28/94 0904	7/13/94 1Ø3Ø	ND	ND		Bag #12 Full
22GØ5		179	06/28/94 1047	7/13/94 Ø83Ø	ND	ND		Bag #12 Full
22GØ6		54	06/22/94 0716	7/7/94 13:30	ND	ND		Bag #3 Full
22GØ7		180	06/28/94 1056	7/13/94 Ø945	ND	ND		Bag #12 Full
22GØ8		58	06/22/94 0809	7/7/94 14:21	ND	ND		Bag #3 Full

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 2Ø2 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
22GØ9		59	06/22/94 0814	7/7/94 14:24	ND	ND	NA	Bag #3 Full
22G06		54	06/22/94 0722	06/29/94 0848	ND	ND	↓	Timer #1 Full
22G06		54	06/22/94 0724	7/7/94 13:31	ND	ND	↓	Timer #2 Full
			JPH 8/18/94					
22HØ1		202	06/29/94 0820	7/13/94 Ø857	ND	ND	NA	Bag #10 Full
22HØ2		55	06/22/94 0733	7/7/94 13:40	ND	ND	↓	Bag #3 Full
22HØ3		178	06/28/94 ~~0914~~ Ø913	7/13/94 1Ø35	ND	ND	↓	Bag #12 Full
22HØ4		177	06/28/94 0908	7/13/94 1Ø32	ND	ND	↓	Bag #12 Full
22HØ5		183	06/28/94 1113	7/13/94 Ø844	ND	ND	↓	Bag #12 Full
22HØ6		182	06/28/94 1107	7/13/94 Ø839	ND	ND	↓	Bag #12 Full
22HØ7		181	06/28/94 1103	7/13/94 Ø84Ø	ND	ND	↓	Bag #12 Full
22HØ8		60	06/22/94 0819	7/7/94 14:35	ND	ND	↓	Bag #3 Full
22HØ9		61	06/22/94 0824	7/7/94 14:39	ND	ND	↓	Bag #3 Full
22H02		55	06/22/94 0734	06/29/94 0855	ND	ND	↓	Timer #1 Full
22H02		55	06/22/94 0735	7/7/94 13:38	ND	ND	↓	Timer #2 Full
			JPH 8/18/94					
22IØ1		203	06/29/94 0825	7/13/94 Ø92Ø	ND	ND	NA	Bag #10 Full
22IØ2		199	06/29/94 0803	7/13/94 Ø854	ND	ND	↓	Bag #12 Full
22IØ3		196	06/29/94 0743	7/13/94 Ø851	ND	ND	↓	Bag #12 Full

22IØ3		196	06/29/94 0743	7/13/94		

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 2Ø3 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
22IØ4		193	06/29/94 0726	7/13/94 Ø848	ND	ND	NA	Bag #12 Full
22IØ5		190	06/29/94 0710	7/13/94 Ø846	ND	ND		Bag #12 Full
22IØ6		187	06/28/94 1142	7/13/94 Ø835	ND	ND		Bag #12 Full
22IØ7		184	06/28/94 1120	7/13/94 Ø838	ND	ND		Bag #12 Full
22IØ8		62	06/22/94 0831	7/7/94 14:55	ND	ND		Bag #3 Full
22IØ9		63	06/22/94 0836	7/7/94 15:55	ND	ND		Bag #3 Full
			JPH 8/18/94					
22JØ1		204	06/29/94 0830	7/13/94 Ø9Ø2	ND	ND	NA	Bag #10 Full
22JØ2		200	06/29/94 0808	7/13/94 Ø9Ø9	ND	ND		Bag #10 Full
22JØ3		197	06/29/94 0745	7/13/94 Ø918	ND	ND		Bag #12 Full
22JØ4		194	06/29/94 0729	7/13/94 Ø923	ND	ND		Bag #12 Full
22JØ5		191	06/29/94 0713	7/13/94 Ø94Ø	ND	ND		Bag #12 Full
22JØ6		188	06/28/94 1146	7/13/94 Ø938	ND	ND		Bag #12 Full
22JØ7		185	06/28/94 1125	7/13/94 Ø937	ND	ND		Bag #12 Full
22JØ8		64	06/22/94 0840	7-8-94 0848	ND	ND		Bag #3 Full
22JØ9		65	06/22/94 0849	7-8-94 Ø9Ø8	ND	ND		Bag #3 Full
			JPH 8/18/94					

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 2Ø4 PROJECT NO.: 34896

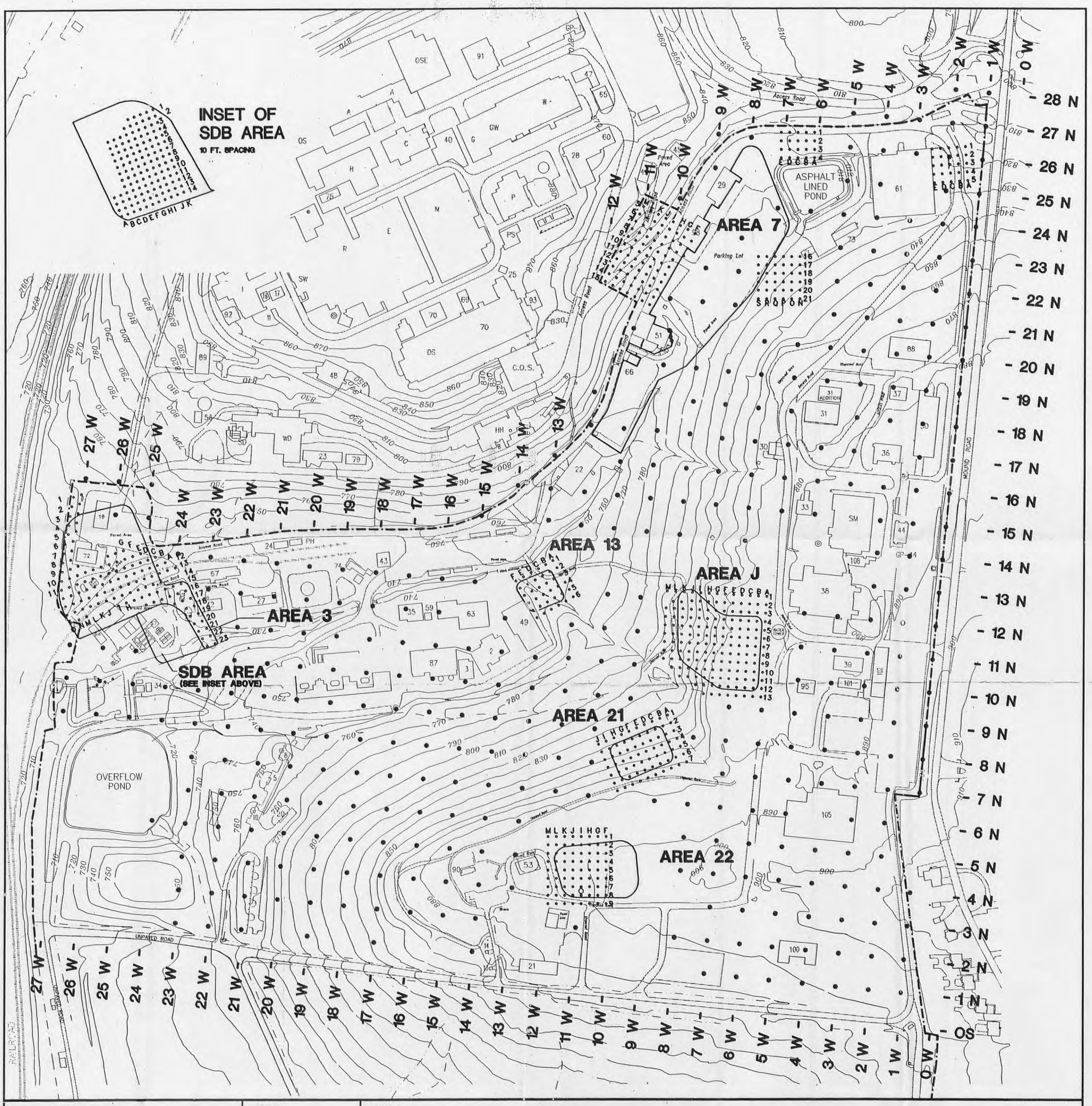
LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
		JPH 8/18/94						
22KØ1		205	Ø6/29/94 Ø835	7/13/94 Ø9Ø8	ND	ND	NA	Bag #10 Full
22KØ2		201	Ø6/29/94 Ø811	7/13/94 Ø913	ND	ND		Bag #10 Full
22KØ3		198	Ø6/29/94 Ø748	7/13/94 Ø915	ND	ND		Bag #12 Full
22KØ4		195	Ø6/29/94 Ø733	7/13/94 Ø926	ND	ND		Bag #12 Full
22KØ5		192	Ø6/29/94 Ø716	7/13/94 Ø929	ND	ND		Bag #12 Full
22KØ6		189	Ø6/28/94 1150	7/13/94 Ø932	ND	ND		Bag #12 Full
22KØ7		186	Ø6/28/94 1130	7/13/94 Ø934	ND	ND		Bag #12 Full
22KØ8		66	Ø6/22/94 Ø856	7-8-94 Ø845	ND	ND		Bag #3 Full
22KØ9		67	Ø6/22/94 Ø905	7/11/94 Ø740	ND	ND		Bag #3 Full
			JPH 8/18/94					
22LØ1		76	Ø6/22/94 1049	7/8/94 Ø82Ø	ND	ND	NA	Bag #4 Full
22LØ2		75	Ø6/22/94 1008	7/8/94 Ø823	ND	ND		Bag #3 Full
22LØ3		74	Ø6/22/94 1002	7/11/94 Ø942	ND	ND		Bag #3 Full
22LØ4		73	Ø6/22/94 Ø956	7/8/94 Ø828	ND	ND		Bag #3 Full
22LØ5		72	Ø6/22/94 Ø948	7/8/94 Ø831	ND	ND		Bag #3 Full
22LØ6		71	Ø6/22/94 Ø943	7/8/94 Ø834	ND	ND		BAG #3 Full

22LØ6		77	06/22/94 0943	7/8/94 0834	ND	ND			Bag #3 Full

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG-2Ø5 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
22LØ7		70	06/22/94 0931	7/8/94 0838	ND	ND	NA	Bag #3 Full
22LØ8		68	06/22/94 0924	7/11/94 0817	ND	ND		Bag #3 Full
22LØ9		69	06/22/94 0928	7/11/94 0835	ND	ND		Bag #3 Full; under drums pt. moved 6'N
			JPH 8/18/94					
22MØ1		77	06/22/94 1057	7/8/94 0815	ND	ND	NA	Bag #4 Full
22MØ2		78	06/22/94 1111	7/11/94 1243	ND	ND		Bag #4 ~16"
22MØ3		79	06/22/94 1116	7/11/94 1241	ND	ND		Bag #4 Full
22MØ4		80	06/22/94 1123	7/11/94 12:37	ND	ND		Bag #4 ~16"
22MØ5		81	06/22/94 1130	7/11/94 12:46	ND	ND		Bag #4 Full
22MØ6		82	06/22/94 1138	7/11/94 12:53	ND	ND		Bag #4 Full
22MØ7		83	06/22/94 1143	7/11/94 12:56	ND	ND		Bag #4 Full
22MØ8		84	06/22/94 1145	7/11/94 13:15	ND	ND		Bag #4 Full
22MØ9		85	06/22/94 1152	7/11/94 13:30	ND	ND		Bag #4 Full; Pt. moved 5' W b/c of barrels.
			JPH 8/18/94					
21AØ1		130	06/27/94 0752	7/28/94 0948	ND	ND	NA	Bag #5 Full



Location Map

True North

Contour Interval 10 ft.

100 0 100 200

SCALE (FEET)

E:\MAPS\MOUND\MSC.DWG 8/31/94

FIGURE:

PLATE 1

TITLE:

MOUND PLANT OPERABLE UNIT 5 PHASE 1 RI/FS OPERATIONAL AREA

LOCATIONS OF AREAS OF CONCERN

LEGEND

- Structures
- Plant Boundary
- Paved/Unpaved Roadway
- Ephemeral Stream
- 700 Contour Line
- OU5 Boundary
- ● Non-AOC Operational Area Sampling and Survey Locations: Soil Gas Samples, Mound Soil Screening Facility Radiological Samples, and FIDLER Survey (Proposed)
- ○ AOC Sampling and Survey Locations: Soil Gas Samples, Mound Soil Screening Facility Radiological Samples, and FIDLER Survey (Proposed)
- 1 N - 1 W - Grid Lines

Note: Information on Basemap is Derived from the Weston OU9 Site Scoping Report, 1993, & Referenced to the 1927 Ohio State Plane Coordinate System

APPENDIX C

RADIOLOGICAL DATA

(FIDLER & SOIL SCREENING FACILITY DATA)

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22F01	NA	NA	NA	NA	NA	NA	21.00	a	0.90	a
22F01-01	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-02	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-03	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-04	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22F01-05	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22F01-06	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F01-07	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-08	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F01-09	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F01-10	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-11	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-12	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-13	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F01-14	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F01-15	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F01-16	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-17	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-18	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-19	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-20	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F01-21	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F01-22	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-23	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F01-24	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F01-25	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02	NA	NA	NA	NA	NA	NA	4.00	a	0.80	a
22F02-01	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-02	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F02-03	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-04	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-05	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F02-06	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F02-07	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F02-08	67.6	NA	9.75	NA	11.7	11.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22F02-09	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-10	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F02-11	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F02-12	67.6	NR	9.75	NR	11.7	12.0	NC		NC	
22F02-13	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F02-14	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-15	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F02-16	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F02-17	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-18	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F02-19	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-20	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F02-21	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-22	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F02-23	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-24	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F02-25	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03	NA	NA	NA	NA	NA	NA	19.00	a	1.30	a
22F03-01	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03-02	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03-03	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03-04	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03-05	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-06	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03-07	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-08	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F03-09	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-10	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F03-11	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-12	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F03-13	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-14	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-15	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-16	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03-17	67.6	NA	9.75	NA	11.7	11.0	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22F03-18	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F03-19	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-20	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F03-21	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-22	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-23	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F03-24	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F03-25	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F04	NA	NA	NA	NA	NA	NA	21.00	a	0.70	a
22F04-01	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F04-02	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F04-03	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F04-04	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F04-05	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F04-06	67.6	NR	9.75	NR	11.7	12.0	NC		NC	
22F04-07	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F04-08	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F04-09	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F04-10	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F04-11	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F04-12	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22F04-13	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F04-14	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F04-15	67.6	NR	9.75	NR	11.7	12.0	NC		NC	
22F04-16	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F04-17	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22F04-18	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F04-19	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F04-20	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F04-21	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F04-22	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F04-23	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F04-24	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F04-25	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05	67.6	NA	9.75	NA	11.7	9.0	3.00	a	0.70	a

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22F05-01	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-02	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-03	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-04	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-05	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-06	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-07	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-08	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-09	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-10	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22F05-11	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F05-12	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F05-13	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F05-14	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F05-15	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22F05-16	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22F05-17	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22F05-18	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22F05-19	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F05-20	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22F05-21	67.6	NA	9.75	NA	11.7	7.5	NC		NC	
22F05-22	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22F05-23	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F05-24	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F05-25	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22F06	67.6	NA	9.75	NA	11.7	8.0	18.00	a	1.00	a
22F06-01	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22F06-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-03	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-04	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-05	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-06	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-07	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22F06-10	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22F06-11	165.1	NA	12.09	NA	12.87	8.5	NC		NC	
22F06-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-14	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-15	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-16	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-17	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-18	NA	NA	12.09	NA	12.87	NA	NC		NC	
22F06-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-20	165.1	NA	12.09	NA	12.87	8.5	NC		NC	
22F06-21	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22F06-22	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-23	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-24	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F06-25	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07	67.6	NA	9.75	NA	11.7	8.0	0.00	a	0.90	a
22F07-01	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22F07-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-03	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-04	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-05	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-06	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-07	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-10	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22F07-11	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22F07-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-14	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-15	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-16	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-17	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-18	165.1	NA	12.09	NA	12.87	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22F07-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22F07-20	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22F07-21	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F07-22	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F07-23	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22F07-24	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22F07-25	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22F08	67.6	NA	9.75	NA	11.7	4.5	0.00	a	0.20	a
22F08-01	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F08-02	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22F08-03	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22F08-04	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-05	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22F08-06	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F08-07	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-08	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-09	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F08-10	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F08-11	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F08-12	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F08-13	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22F08-14	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22F08-15	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-16	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22F08-17	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-18	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22F08-19	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-20	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22F08-21	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22F08-22	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-23	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F08-25	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22F09	NA	NA	NA	NA	NA	NA	13.00	a	0.50	a
22G01	NA	NA	NA	NA	NA	NA	20.00	a	0.60	a

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22G01-01	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-02	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-03	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G01-04	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G01-05	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-06	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G01-07	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G01-08	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-09	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-10	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G01-11	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G01-12	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G01-13	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-14	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-15	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G01-16	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-17	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-18	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-19	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-20	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-21	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G01-22	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-23	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-24	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G01-25	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G02	NA	NA	NA	NA	NA	NA	21.00	a	1.10	a
22G02-01	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G02-02	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G02-03	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G02-04	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G02-05	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G02-06	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G02-07	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G02-08	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G02-09	67.6	NA	9.75	NA	11.7	11.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22G02-10	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G02-11	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G02-12	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G02-13	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G02-14	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G02-15	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G02-16	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G02-17	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G02-18	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G02-19	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G02-20	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G02-21	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G02-22	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G02-23	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G02-24	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G02-25	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G03	NA	NA	NA	NA	NA	NA	28.00	b	1.00	a
22G03-01	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G03-02	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-03	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-04	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-05	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-06	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G03-07	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-08	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-09	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-10	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-11	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-12	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-13	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-14	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-15	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-16	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G03-17	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-18	67.6	NA	9.75	NA	11.7	10.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22G03-19	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-20	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-21	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G03-22	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G03-23	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G03-24	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G03-25	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G04	67.6	NA	9.75	NA	11.7	11.0	4.00	a	0.70	a
22G04-01	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G04-02	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22G04-03	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G04-04	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22G04-05	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G04-06	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G04-07	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22G04-08	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G04-09	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G04-10	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G04-11	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G04-12	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22G04-13	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G04-14	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G04-15	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G04-16	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22G04-17	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-18	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-19	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-20	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-21	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-22	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-23	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-24	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G04-25	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05	67.6	NA	9.75	NA	11.7	8.5	19.00	a	0.60	a
22G05-01	67.6	NA	9.75	NA	11.7	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22G05-02	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-03	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-04	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-05	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-06	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-07	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-08	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-09	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-10	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22G05-11	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G05-12	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G05-13	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G05-14	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22G05-15	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G05-16	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22G05-17	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G05-18	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G05-19	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G05-20	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G05-21	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G05-22	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22G05-23	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G05-24	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22G05-25	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22G06	67.6	NA	9.75	NA	11.7	10.0	2.00	a	0.60	a
22G06-01	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-02	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-03	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-04	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-05	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-06	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-07	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-08	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-09	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-10	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22G06-11	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-12	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-13	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-14	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-15	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-16	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-17	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-18	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-19	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-20	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-21	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-22	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-23	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-24	NA	NA	NA	NA	NA	NA	NC		NC	
22G06-25	NA	NA	NA	NA	NA	NA	NC		NC	
22G07	205.4	150	9.64	15	10.79	17.0	37.00	b	0.80	a
22G07-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-03	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-04	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-05	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-06	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-07	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-10	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-11	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-14	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-15	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-16	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-17	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-18	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22G07-20	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22G07-21	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22G07-22	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G07-23	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G07-24	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G07-25	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G08	67.6	NA	9.75	NA	11.7	8.0	14.00	a	0.50	a
22G08-01	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G08-02	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G08-03	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22G08-04	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22G08-05	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22G08-06	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22G08-07	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22G08-08	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22G08-09	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22G08-10	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22G08-11	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22G08-12	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22G08-13	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22G08-14	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G08-15	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G08-16	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22G08-17	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22G08-18	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22G08-19	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22G08-20	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22G08-21	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22G08-22	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22G08-23	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G08-24	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22G08-25	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22G09	NA	NA	NA	NA	NA	NA	18.00	a	0.90	a
22H01	165.1	NA	12.09	NA	12.87	11.0	4.00	a	0.90	a
22H01-01	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22H01-02	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-03	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-04	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-05	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-06	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-07	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-08	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-09	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-10	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-11	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-12	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-13	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-14	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-15	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-16	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-17	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-18	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-19	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-20	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-21	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-22	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-23	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-24	NA	NA	NA	NA	NA	NA	NC		NC	
22H01-25	NA	NA	NA	NA	NA	NA	NC		NC	
22H02	165.1	NA	12.09	NA	12.87	10.0	33.00	b	1.00	a
22H02-01	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-02	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-03	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-04	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-05	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-06	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-07	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-08	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-09	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-10	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22H02-11	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-12	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-13	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-14	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-15	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-16	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-17	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-18	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-19	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-20	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-21	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-22	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-23	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-24	NA	NA	NA	NA	NA	NA	NC		NC	
22H02-25	NA	NA	NA	NA	NA	NA	NC		NC	
22H03	165.1	NA	12.09	NA	12.87	10.0	5.00	a	0.90	a
22H03-01	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-02	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-03	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-04	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-05	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-06	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-07	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-08	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-09	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-10	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-11	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-12	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-13	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-14	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-15	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-16	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-17	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-18	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-19	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22H03-20	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-21	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-22	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-23	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-24	NA	NA	NA	NA	NA	NA	NC		NC	
22H03-25	NA	NA	NA	NA	NA	NA	NC		NC	
22H04	NA	NA	NA	NA	NA	NA	34.00	b	1.40	a
22H04-01	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H04-02	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H04-03	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H04-04	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H04-05	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H04-06	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H04-07	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H04-08	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H04-09	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H04-10	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H04-11	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H04-12	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H04-13	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H04-14	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H04-15	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H04-16	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H04-17	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H04-18	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H04-19	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H04-20	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H04-21	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H04-22	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H04-23	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H04-24	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H04-25	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H05	NA	NA	NA	NA	NA	NA	26.00	b	0.70	a
22H05-01	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-02	67.6	NA	9.75	NA	11.7	11.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22H05-03	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H05-04	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H05-05	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-06	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-07	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H05-08	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-09	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-10	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H05-11	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22H05-12	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22H05-13	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-14	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H05-15	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H05-16	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H05-17	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-18	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-19	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-20	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22H05-21	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22H05-22	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22H05-23	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-24	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H05-25	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H06	NA	NA	NA	NA	NA	NA	20.00	a	0.70	a
22H06-01	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22H06-02	67.6	NA	9.75	NA	11.7	9.0	NC		NC	
22H06-03	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H06-04	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H06-05	67.6	NR	9.75	NR	11.7	12.0	NC		NC	
22H06-06	67.6	NR	9.75	NR	11.7	12.0	NC		NC	
22H06-07	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H06-08	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H06-09	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H06-10	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H06-11	67.6	NA	9.75	NA	11.7	9.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22H06-12	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H06-13	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H06-14	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H06-15	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H06-16	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H06-17	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H06-18	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H06-19	67.6	NA	9.75	NA	11.7	11.0	NC		NC	
22H06-20	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H06-21	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22H06-22	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22H06-23	67.6	NR	9.75	NR	11.7	12.0	NC		NC	
22H06-24	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H06-25	67.6	NA	9.75	NA	11.7	11.5	NC		NC	
22H07	165.1	NA	12.09	NA	12.87	9.0	31.00	b	1.20	a
22H07-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-03	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-04	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-05	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-06	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-07	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-10	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-11	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-14	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-15	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-16	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-17	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-18	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22H07-20	165.1	NA	12.09	NA	12.87	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22H07-21	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22H07-22	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22H07-23	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22H07-24	165.1	NA	12.09	NA	12.87	8.5	NC		NC	
22H07-25	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08	67.6	NA	9.75	NA	11.7	6.5	15.00	a	0.60	a
22H08-01	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22H08-02	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-03	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22H08-04	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-05	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-06	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-07	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-08	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-09	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-10	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-11	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-12	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-13	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22H08-14	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-15	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-16	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-17	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-18	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-19	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-20	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-21	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22H08-22	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-23	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-24	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H08-25	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22H09	NA	NA	NA	NA	NA	NA	9.00	a	0.30	a
22I01	165.1	NA	12.09	NA	12.87	10.0	11.00	a	0.60	a
22I01-01	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-02	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22I01-03	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-04	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-05	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-06	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-07	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-08	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-09	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-10	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-11	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-12	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-13	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-14	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-15	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-16	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-17	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-18	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-19	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-20	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-21	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-22	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-23	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-24	NA	NA	NA	NA	NA	NA	NC		NC	
22I01-25	NA	NA	NA	NA	NA	NA	NC		NC	
22I02	165.1	NA	12.09	NA	12.87	8.5	2.00	a	0.50	a
22I02-01	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-02	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-03	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-04	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-05	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-06	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-07	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-08	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-09	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-10	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-11	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22I02-12	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-13	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-14	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-15	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-16	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-17	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-18	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-19	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-20	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-21	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-22	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-23	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-24	NA	NA	NA	NA	NA	NA	NC		NC	
22I02-25	NA	NA	NA	NA	NA	NA	NC		NC	
22I03	165.1	NA	12.09	NA	12.87	7.5	0.00	a	1.00	a
22I03-01	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-02	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-03	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-04	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-05	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-06	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-07	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-08	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-09	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-10	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-11	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-12	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-13	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-14	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-15	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-16	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-17	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-18	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-19	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-20	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22I03-21	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-22	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-23	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-24	NA	NA	NA	NA	NA	NA	NC		NC	
22I03-25	NA	NA	NA	NA	NA	NA	NC		NC	
22I04	67.6	NA	9.75	NA	11.7	9.0	25.00	b	1.70	a
22I04-01	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-02	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-03	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-04	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-05	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-06	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-07	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-08	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-09	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-10	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-11	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-12	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-13	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-14	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-15	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-16	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-17	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-18	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-19	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-20	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-21	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-22	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-23	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-24	NA	NA	NA	NA	NA	NA	NC		NC	
22I04-25	NA	NA	NA	NA	NA	NA	NC		NC	
22I05	67.6	NA	9.75	NA	11.7	8.5	27.00	b	0.90	a
22I05-01	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-02	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-03	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22I05-04	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-05	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-06	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-07	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-08	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-09	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-10	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-11	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-12	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-13	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-14	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-15	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-16	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-17	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-18	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-19	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-20	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-21	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-22	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-23	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-24	NA	NA	NA	NA	NA	NA	NC		NC	
22I05-25	NA	NA	NA	NA	NA	NA	NC		NC	
22I06	67.6	NA	9.75	NA	11.7	8.0	4.00	a	0.90	a
22I06-01	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-02	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-03	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-04	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-05	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-06	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-07	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-08	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-09	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-10	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-11	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-12	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22I06-13	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-14	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-15	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-16	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-17	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-18	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-19	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-20	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-21	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-22	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-23	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-24	NA	NA	NA	NA	NA	NA	NC		NC	
22I06-25	NA	NA	NA	NA	NA	NA	NC		NC	
22I07	67.6	NA	9.75	NA	11.7	13.0	27.00	b	0.80	a
22I07.5	67.6	130.0	9.75	29.0	11.7	34.0	NC		NC	
22I07-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-03	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-04	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-05	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-06	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-07	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-10	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-11	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-14	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-15	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22I07-16	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22I07-17	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22I07-18	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22I07-19	165.1	NA	12.09	NA	12.87	9.5	NC		NC	
22I07-20	165.1	NA	12.09	NA	12.87	11.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22I07-21	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I07-22	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I07-23	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I07-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I07-25	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08	NA	NA	NA	NA	NA	NA	0.00	a	0.40	a
22I08-01	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I08-02	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-03	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-04	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-05	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-06	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-07	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-08	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I08-09	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-10	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-11	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-12	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I08-13	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I08-14	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-15	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I08-16	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22I08-17	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22I08-18	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-19	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-20	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-21	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I08-22	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22I08-23	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22I08-24	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22I08-25	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22I09	NA	NA	NA	NA	NA	NA	15.00	a	0.40	a
22J01	165.1	NA	12.09	NA	12.87	12.0	25.00	b	1.20	a
22J01-01	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-02	NA	NA	NA	NA	NA	6.0	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22J01-03	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-04	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-05	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-06	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-07	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-08	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-09	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-10	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-11	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-12	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-13	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-14	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-15	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-16	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-17	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-18	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-19	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-20	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-21	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-22	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-23	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-24	NA	NA	NA	NA	NA	6.0	NC		NC	
22J01-25	NA	NA	NA	NA	NA	6.0	NC		NC	
22J02	165.1	NA	12.09	NA	12.87	12.0	31.00	b	1.50	a
22J02-01	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-02	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-03	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-04	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-05	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-06	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-07	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-08	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-09	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-10	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-11	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22J02-12	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-13	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-14	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-15	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-16	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-17	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-18	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-19	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-20	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-21	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-22	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-23	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-24	NA	NA	NA	NA	NA	NA	NC		NC	
22J02-25	NA	NA	NA	NA	NA	NA	NC		NC	
22J03	165.1	NA	12.09	NA	12.87	9.0	39.00	b	1.20	a
22J03-01	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-02	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-03	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-04	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-05	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-06	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-07	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-08	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-09	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-10	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-11	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-12	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-13	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-14	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-15	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-16	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-17	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-18	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-19	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-20	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22J03-21	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-22	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-23	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-24	NA	NA	NA	NA	NA	NA	NC		NC	
22J03-25	NA	NA	NA	NA	NA	NA	NC		NC	
22J04	67.6	NA	9.75	NA	11.7	9.5	29.00	b	3.10	b
22J04-01	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-02	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-03	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-04	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-05	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-06	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-07	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-08	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-09	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-10	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-11	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-12	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-13	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-14	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-15	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-16	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-17	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-18	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-19	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-20	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-21	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-22	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-23	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-24	NA	NA	NA	NA	NA	NA	NC		NC	
22J04-25	NA	NA	NA	NA	NA	NA	NC		NC	
22J05	67.6	NA	9.75	NA	11.7	9.5	56.00	b	1.00	a
22J05-01	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-02	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-03	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22J05-04	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-05	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-06	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-07	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-08	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-09	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-10	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-11	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-12	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-13	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-14	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-15	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-16	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-17	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-18	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-19	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-20	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-21	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-22	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-23	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-24	NA	NA	NA	NA	NA	NA	NC		NC	
22J05-25	NA	NA	NA	NA	NA	NA	NC		NC	
22J06	67.6	NA	9.75	NA	11.7	8.0	81.00	b	0.50	a
22J06-01	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-02	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-03	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-04	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-05	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-06	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-07	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-08	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-09	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-10	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-11	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-12	NA	NA	NA	NA	NA	NA	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22J06-13	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-14	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-15	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-16	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-17	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-18	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-19	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-20	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-21	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-22	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-23	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-24	NA	NA	NA	NA	NA	NA	NC		NC	
22J06-25	NA	NA	NA	NA	NA	NA	NC		NC	
22J07	165.1	NA	12.09	NA	12.87	6.0	34.00	b	0.50	a
22J07-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-03	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-04	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-05	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-06	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-07	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-10	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-11	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-14	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-15	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22J07-16	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22J07-17	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J07-18	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22J07-19	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22J07-20	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22J07-21	165.1	NA	12.09	NA	12.87	6.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22J07-22	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J07-23	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J07-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J07-25	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08	NA	NA	NA	NA	NA	NA	0.00	a	0.40	a
22J08-01	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22J08-02	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-03	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-04	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22J08-05	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22J08-06	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-07	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22J08-08	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22J08-09	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22J08-10	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-11	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-12	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-13	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22J08-14	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22J08-15	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22J08-16	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-17	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22J08-18	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22J08-19	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22J08-20	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22J08-21	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22J08-22	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22J08-23	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22J08-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J08-25	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22J09	NA	NA	NA	NA	NA	NA	8.00	a	0.70	a
22K01	165.1	NA	12.09	NA	12.87	12.0	16.00	a	1.00	a
22K01-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-03	165.1	NA	12.09	NA	12.87	12.0	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22K01-04	165.1	NA	12.09	NA	12.87	12.5	NC		NC	
22K01-05	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K01-06	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K01-07	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K01-08	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K01-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-10	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-11	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-13	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K01-14	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K01-15	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K01-16	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K01-17	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K01-18	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K01-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-20	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-21	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-22	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K01-23	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K01-24	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K01-25	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02	165.1	NA	12.09	NA	12.87	12.0	13.00	a	0.90	a
22K02-01	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-02	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-03	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-04	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-05	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-06	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-07	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K02-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K02-10	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22K02-11	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22K02-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	

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RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22K02-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K02-14	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-15	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-16	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K02-17	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-18	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K02-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K02-20	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22K02-21	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22K02-22	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22K02-23	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22K02-24	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K02-25	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K03	165.1	NA	12.09	NA	12.87	8.5	40.00	b	0.90	a
22K03-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-02	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22K03-03	165.1	NA	12.09	NA	12.87	10.5	NC		NC	
22K03-04	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K03-05	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K03-06	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K03-07	165.1	NA	12.09	NA	12.87	12.5	NC		NC	
22K03-08	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22K03-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-10	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-11	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-13	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K03-14	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22K03-15	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22K03-16	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22K03-17	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22K03-18	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22K03-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-20	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-21	165.1	NA	12.09	NA	12.87	NA	NC		NC	

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RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22K03-22	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K03-23	165.1	NA	12.09	NA	12.87	10.5	NC		NC	
22K03-24	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22K03-25	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22K04	67.6	NA	9.75	NA	11.7	9.5	67.00	b	0.90	a
22K04-01	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-02	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-03	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22K04-04	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22K04-05	67.6	NA	9.75	NA	11.7	8.0	NC		NC	
22K04-06	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22K04-07	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22K04-08	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22K04-09	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-10	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-11	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-12	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-13	67.6	NA	9.75	NA	11.7	10.5	NC		NC	
22K04-14	67.6	NA	9.75	NA	11.7	8.0	NC		NC	
22K04-15	67.6	NA	9.75	NA	11.7	7.5	NC		NC	
22K04-16	67.6	NA	9.75	NA	11.7	7.5	NC		NC	
22K04-17	67.6	NA	9.75	NA	11.7	8.0	NC		NC	
22K04-18	67.6	NA	9.75	NA	11.7	10.0	NC		NC	
22K04-19	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-20	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-21	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-22	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K04-23	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22K04-24	67.6	NA	9.75	NA	11.7	7.0	NC		NC	
22K04-25	67.6	NA	9.75	NA	11.7	9.5	NC		NC	
22K05	67.6	NA	9.75	NA	11.7	7.5	7.00	a	0.90	a
22K05-01	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K05-02	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K05-03	67.6	NA	9.75	NA	11.7	7.0	NC		NC	
22K05-04	67.6	NA	9.75	NA	11.7	6.5	NC		NC	

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RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22K05-05	67.6	NA	9.75	NA	11.7	7.5	NC		NC	
22K05-06	67.6	NA	9.75	NA	11.7	6.0	NC		NC	
22K05-07	67.6	NA	9.75	NA	11.7	6.5	NC		NC	
22K05-08	67.6	NA	9.75	NA	11.7	8.0	NC		NC	
22K05-09	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K05-10	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K05-11	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K05-12	67.6	NA	9.75	NA	11.7	NA	NC		NC	
22K05-13	67.6	NA	9.75	NA	11.7	7.5	NC		NC	
22K05-14	67.6	NA	9.75	NA	11.7	6.5	NC		NC	
22K05-15	67.6	NA	9.75	NA	11.7	6.5	NC		NC	
22K05-16	67.6	NA	9.75	NA	11.7	6.5	NC		NC	
22K05-17	67.6	NA	9.75	NA	11.7	6.5	NC		NC	
22K05-18	67.6	NA	9.75	NA	11.7	6.5	NC		NC	
22K05-19	67.6	NA	9.75	NA	11.7	7.0	NC		NC	
22K05-20	67.6	NA	9.75	NA	11.7	7.0	NC		NC	
22K05-21	67.6	NA	9.75	NA	11.7	8.5	NC		NC	
22K05-22	67.6	NA	9.75	NA	11.7	8.0	NC		NC	
22K05-23	67.6	NA	9.75	NA	11.7	7.0	NC		NC	
22K05-24	67.6	NA	9.75	NA	11.7	7.0	NC		NC	
22K05-25	67.6	NA	9.75	NA	11.7	7.0	NC		NC	
22K06	67.6	NA	9.75	NA	11.7	7.5	12.00	a	0.70	a
22K06-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-02	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-03	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-04	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-05	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22K06-06	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22K06-07	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-08	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-09	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-10	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-11	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-12	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-13	165.1	NA	12.09	NA	12.87	NA	NC		NC	

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RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22K06-14	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-15	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22K06-16	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K06-17	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-18	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-19	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-20	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-21	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-22	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K06-23	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22K06-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K06-25	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K07	67.6	NA	9.75	NA	11.7	9.0	1.00	a	0.80	a
22K07-01	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22K07-02	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22K07-03	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22K07-04	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-05	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22K07-06	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22K07-07	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-08	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-09	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22K07-10	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22K07-11	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22K07-12	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22K07-13	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-14	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-15	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-16	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-17	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-18	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K07-19	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K07-20	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K07-21	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K07-22	165.1	NA	12.09	NA	12.87	5.0	NC		NC	

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RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22K07-23	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K07-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K07-25	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08	NA	NA	NA	NA	NA	NA	12.00	a	0.40	a
22K08-01	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22K08-02	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K08-03	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-04	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-05	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-06	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-07	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K08-08	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-09	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-10	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K08-11	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22K08-12	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22K08-13	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K08-14	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K08-15	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-16	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-17	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-18	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-19	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-20	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-21	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22K08-22	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22K08-23	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22K08-24	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22K08-25	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22K09	NA	NA	NA	NA	NA	NA	1.00	a	0.50	a
22L01	NA	NA	NA	NA	NA	NA	25.00	b	1.40	a
22L01-01	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-02	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-03	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L01-04	165.1	NA	12.09	NA	12.87	12.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22L01-05	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-06	165.1	NA	12.09	NA	12.87	12.5	NC		NC	
22L01-07	165.1	NA	12.09	NA	12.87	12.5	NC		NC	
22L01-08	165.1	NA	12.09	NA	12.87	12.5	NC		NC	
22L01-09	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-10	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-11	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-12	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-13	165.1	NA	12.09	NA	12.87	12.5	NC		NC	
22L01-14	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-15	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-16	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-17	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-18	165.1	NA	12.09	NA	12.87	12.5	NC		NC	
22L01-19	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-20	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-21	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-22	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-23	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L01-24	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L01-25	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L02	NA	NA	NA	NA	NA	NA	6.00	a	0.90	a
22L02-01	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-02	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-03	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-04	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-05	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L02-06	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L02-07	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-08	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-09	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-10	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-11	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-12	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-13	165.1	NA	12.09	NA	12.87	11.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22L02-14	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L02-15	165.1	NA	12.09	NA	12.87	10.5	NC		NC	
22L02-16	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L02-17	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-18	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-19	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-20	165.1	NA	12.09	NA	12.87	11.5	NC		NC	
22L02-21	165.1	NA	12.09	NA	12.87	12.0	NC		NC	
22L02-22	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L02-23	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L02-24	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L02-25	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22L03	NA	NA	NA	NA	NA	NA	27.00	b	1.20	a
22L03-01	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L03-02	165.1	NA	12.09	NA	12.87	10.5	NC		NC	
22L03-03	165.1	NA	12.09	NA	12.87	10.5	NC		NC	
22L03-04	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L03-05	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22L03-06	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L03-07	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L03-08	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L03-09	165.1	NA	12.09	NA	12.87	9.5	NC		NC	
22L03-10	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L03-11	165.1	NA	12.09	NA	12.87	9.5	NC		NC	
22L03-12	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L03-13	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L03-14	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L03-15	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L03-16	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L03-17	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L03-18	165.1	NA	12.09	NA	12.87	9.5	NC		NC	
22L03-19	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L03-20	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22L03-21	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22L03-22	165.1	NA	12.09	NA	12.87	10.0	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22L03-23	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L03-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L03-25	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L04	NA	NA	NA	NA	NA	NA	18.00	a	0.60	a
22L04-01	165.1	NA	12.09	NA	12.87	8.5	NC		NC	
22L04-02	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L04-03	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L04-04	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-05	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L04-06	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-07	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L04-08	165.1	NA	12.09	NA	12.87	7.5	NC		NC	
22L04-09	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L04-10	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L04-11	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L04-12	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L04-13	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-14	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-15	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-16	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22L04-17	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-18	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L04-19	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22L04-20	165.1	NA	12.09	NA	12.87	9.5	NC		NC	
22L04-21	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L04-22	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22L04-23	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-24	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L04-25	165.1	NA	12.09	NA	12.87	8.5	NC		NC	
22L05	NA	NA	NA	NA	NA	NA	11.00	a	0.80	a
22L05-01	165.1	NA	12.09	NA	12.87	9.5	NC		NC	
22L05-02	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22L05-03	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L05-04	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22L05-05	165.1	NA	12.09	NA	12.87	8.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22L05-06	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22L05-07	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L05-08	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L05-09	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22L05-10	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L05-11	165.1	NA	12.09	NA	12.87	8.5	NC		NC	
22L05-12	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L05-13	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L05-14	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L05-15	165.1	NA	12.09	NA	12.87	9.5	NC		NC	
22L05-16	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L05-17	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L05-18	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L05-19	165.1	NA	12.09	NA	12.87	6.5	NC		NC	
22L05-20	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22L05-21	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L05-22	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L05-23	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L05-24	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22L05-25	165.1	NA	12.09	NA	12.87	7.0	NC		NC	
22L06	NA	NA	NA	NA	NA	NA	19.00	a	0.50	a
22L06-01	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L06-02	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L06-03	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-04	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L06-05	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L06-06	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-07	165.1	NA	12.09	NA	12.87	10.5	NC		NC	
22L06-08	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-09	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-10	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-11	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-12	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-13	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L06-14	165.1	NA	12.09	NA	12.87	11.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22L06-15	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L06-16	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L06-17	165.1	NA	12.09	NA	12.87	10.5	NC		NC	
22L06-18	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L06-19	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-20	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-21	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L06-22	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L06-23	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L06-24	165.1	NA	12.09	NA	12.87	10.0	NC		NC	
22L06-25	165.1	NA	12.09	NA	12.87	11.0	NC		NC	
22L07	NA	NA	NA	NA	NA	NA	11.00	a	0.20	a
22L07-01	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L07-02	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L07-03	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-04	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-05	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L07-06	165.1	NA	12.09	NA	12.87	9.0	NC		NC	
22L07-07	165.1	NA	12.09	NA	12.87	8.0	NC		NC	
22L07-08	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L07-09	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-10	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-11	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-12	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L07-13	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L07-14	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L07-15	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L07-16	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-17	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L07-18	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-19	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-20	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-21	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L07-22	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L07-23	165.1	NA	12.09	NA	12.87	5.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22L07-24	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L07-25	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L08	NA	NA	NA	NA	NA	NA	14.00	a	1.00	a
22L08-01	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-02	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-03	165.1	NA	12.09	NA	12.87	6.0	NC		NC	
22L08-04	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-05	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-06	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L08-07	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L08-08	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L08-09	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L08-10	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L08-11	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L08-12	165.1	NA	12.09	NA	12.87	5.5	NC		NC	
22L08-13	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-14	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-15	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-16	165.1	NA	12.09	NA	12.87	4.5	NC		NC	
22L08-17	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22L08-18	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-19	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-20	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-21	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22L08-22	165.1	NA	12.09	NA	12.87	NA	NC		NC	
22L08-23	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-24	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L08-25	165.1	NA	12.09	NA	12.87	5.0	NC		NC	
22L09	NA	NA	NA	NA	NA	NA	10.00	a	0.20	a
22M01	NA	NA	NA	NA	NA	NA	5.00	a	0.80	a
22M02	NA	NA	NA	NA	NA	NA	22.00	a	0.80	a
22M03	NA	NA	NA	NA	NA	NA	51.00	b	0.00	a
22M04	NA	NA	NA	NA	NA	NA	NC		NC	
22M05	NA	NA	NA	NA	NA	NA	10.00	a	1.10	a
22M06	NA	NA	NA	NA	NA	NA	11.00	a	1.30	a

APPENDIX C
RADIOLOGICAL DATA (FIDLER AND MOUND SOIL SCREENING FACILITY DATA)

	FIDLER SURVEY DATA						MOUND SOIL SCREENING FACILITY DATA			
SMPID	Contamination Criteria CH1	FIDLER Readings CH1	Contamination Criteria CH2	FIDLER Readings CH2	Contamination Criteria Out Channel	FIDLER Readings Out Channel	Plutonium-238		Thorium-232	
	Units: CPM	Units: CPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: KCPM	Units: pCi/g		Units: pCi/g	
	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	RESULTS	Note:	RESULTS	Note:
22M07	NA	NA	NA	NA	NA	NA	0.00	a	0.90	a
22M08	NA	NA	NA	NA	NA	NA	18.00	a	0.80	a
22M09	NA	NA	NA	NA	NA	NA	11.00	a	0.40	a
22N04	NA	NA	NA	NA	NA	NA	16.00	a	0.00	a

NC - No sample collected because location not a grid survey point.
NR - Not recorded, contamination criteria of 11.7 KCPM is approximately equal to a field reading of 12 KCPM.
NA - Reading not taken; contamination criteria for the out channel not exceeded.
a - Mound Soil Screening Facility detection limit not exceeded.
b - Concentration at or above the Mound Soil Screening Facility detection level.
KCPM - Counts per minute (1000)
CPM - Counts per minute.
pCi/g - Picocuries per gram.

APPENDIX D

SOIL GAS SURVEY REPORT

Northeast Research Institute LLC

605 Parfet Street • Suite 100
Lakewood, Colorado 80215
303-238-0090 • 800-845-5137
Fax 303-238-2522

August 26, 1994

Mr. Thomas Tank
Science Applications International Corporation
4031 Colonel Glenn Highway, Suite 300 Tel: (513) 429-2699
Beavercreek, Ohio 45431-1600 Fax: (513) 429-9557

Dear Mr. Tank:

Please find enclosed the final report of findings of the Petrex soil gas survey conducted on Area of Concern -22 in Operable Unit -5 of DOE's Mound Facility. This report incorporates all of the comments and corrections generated by your staff's review of the draft report submitted a week ago.

Per your request, please also find enclosed a total of eight (8) copies of Plates 1 through 5, and one unbound copy of the final report to be used for duplication.

Please call me if you have any questions.

Sincerely,

NORTHEAST RESEARCH INSTITUTE LLC

Paul C. Bedard
Project Manager

encl.

F2114pb1.d

Northeast Research Institute LLC

605 Parfet Street • Suite 100
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303-238-0090 • 800-845-5137
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FINAL REPORT OF FINDINGS OF THE PETREX SOIL GAS SURVEY AT AREA OF CONCERN -22 / OPERABLE UNIT 5 U. S. DEPARTMENT OF ENERGY MOUND FACILITY MIAMISBURG, OHIO

PREPARED BY: DATE:

Paul C. Bedard, Project Manager — 8/1/94

APPROVED BY: DATE:

Paul A. Harrington, Senior Project Manager — 9/1/94

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1.0 EXECUTIVE SUMMARY

SAIC and NERI performed a Petrex passive soil gas survey at AOC-22 / OU-5 on the grounds of the U.S.D.O.E Mound Facility in Miamisburg, Ohio. The purpose of this survey was to assess the potential for the presence of subsurface contamination by volatile and semivolatile organic compounds including components of solvents, fuels, and lubricants. These types of chemical (or petroleum) products may have been released to the environment at any time in the history of site operations.

This survey was designed and conducted by SAIC with guidance by NERI as part of an investigation of the entire OU-5 area. Field operations were performed by SAIC personnel between June 22 and July 13, 1994. All Petrex soil gas samples were returned to NERI for standard Thermal Desorption - Mass Spectrometry analysis.

Survey results indicate:

1. Elevated levels of petroleum hydrocarbons and halogenated compounds (principally tetrachloroethene) are present in the soil gas within AOC-22. The levels of VOCs and SVOCs detected were low overall given the length of sampler exposure and relative to results of surveys of other Areas of Concern.

2. The highest levels of hydrocarbons occurred in the south and west of the AOC. The molecular weight range and assortment of structural classes of hydrocarbons detected suggest that these hydrocarbons exist in the subsurface as a result of the historic release of one or more types of fuel product including heavy fuels or heating oils.

3. The highest levels of halogenated compounds occurred at isolated locations in the central, eastern, and northern portions of the study area. These compounds may occur in the subsurface as a result of small scale spills of solvents or leaching or burial of stockpiled solvent contaminated soils.

4. Limited quantitative testing of soil and groundwater from selected areas (those exhibiting the highest levels of these compounds in the soil gas) is required to determine the environmental significance of these findings.

2.0 INTRODUCTION

With the aid of Northeast Research Institute LLC (NERI), Science Applications International Corporation (SAIC) recently completed a Petrex soil gas survey of Area of Concern -22 (AOC-22) within Operable Unit -5 (OU-5) of the U. S. Department of Energy's Mound Facility in Miamisburg, Ohio. The survey of AOC-22 was performed as part of a larger soil gas survey of the entire OU-5 area. Many chemical products including fuels, lubricants, petroleum solvents and halogenated solvents may have been used on-site during the Facility's history of operation. AOC-22, in particular, was the receptor of soils excavated from other portions of the Facility.

The purpose of this survey was to locate areas of the site in which soil and/or groundwater may be contaminated by volatile or semivolatile organic compounds (VOCs or SVOCs) from various types of chemical products. The information generated by this survey could then be used to strategically plan any additional quantitative testing of subsurface media in discrete areas as required.

3.0 OBJECTIVES

The technical objectives of the Petrex soil gas survey at AOC-22 were:

1. Collect and identify VOCs and SVOCs in the subsurface.

2. Report results for targeted compounds and illustrate their areal distribution on-site through mapping of results.

3. From the areal distribution and relative level of the targeted compounds, infer the location or possible source areas or areas meriting quantitative investigation.

4.0 OVERVIEW OF THE PETREX TECHNIQUE

Each Petrex soil gas sampler consists of two or three activated charcoal adsorption elements (collectors) housed in a resealable glass container in an inert atmosphere.

Soil gas sample collection is performed by unsealing the sampler and exposing the collector to the soil gas of the subsurface environment at the base of a shallow bore hole. Sample collection proceeds via free vapor diffusion through the opening of the uncapped sampler container. Following a controlled period of time, the sampler is retrieved from the bore hole, resealed, and submitted for analysis.

One collector from each soil gas sampler is analyzed by Thermal Desorption/Mass Spectrometry (TD-MS). Selected second collectors may be analyzed by Thermal Desorption-Gas Chromatography/Mass Spectrometry (TD-GC/MS) for compound confirmation. At least ten percent of samplers used in any project contain three collectors. The third collector is used for setting instrument sensitivity prior to analysis.

Compounds are identified by comparison to standard reference spectra derived from the same instrument. The mass spectral ion count of the appropriate indicator peak(s) for each compound or group of compounds is then plotted as relative response on a map and contoured using a variety of standard geostatistical analyses.

For a more detailed and technical discussion of the method, please refer to Appendix A, Petrex Protocol.

5.0 SCOPE OF WORK

This soil gas survey consisted of the collection and analysis of soil gas samples from a total of seventy-two (72) sample collection points. These sample collection points were arrayed in a uniform rectangular grid at intervals of twenty-five feet. The complete sampling plan of AOC-22 described an area approximately one acre in size (see Plate 1 provided with this report).

One soil gas sample from each sampling point was analyzed by Thermal Desorption-Mass Spectrometry (TD-MS). Approximately ten percent of Petrex samplers used in this survey contained an additional soil gas collector for the purpose of yielding a duplicate soil gas sample for QA/QC. These duplicate samples were also analyzed by TD-MS in the same analytical run (see results under subsection 7.4).

6.0 FIELD ACTIVITIES

All field operations were organized and performed by SAIC personnel. Petrex soil gas samplers were installed within a one week period beginning June 22, 1994. An electric rotary hammer drill equipped with a 1½ inch diameter drill bit was employed to create the shallow bore hole into which each Petrex soil gas sampler was installed. Petrex samplers were installed at depths of twelve to eighteen inches below grade.

To avoid potential cross contamination of sampling locations, the drill bit was decontaminated between use at each location. Decontamination of the drill bits consisted of thorough scrubbing in a laboratory grade detergent solution followed by repeated rinsing with distilled water. The drill bits were then allowed to completely air dry prior to reuse.

A series of four extra Petrex samplers (in addition to the seventy-two samplers from which survey results derive) were used in this survey to determine the approximate length of time samplers should be exposed in the field to collect levels of VOCs and SVOCs adequate for analysis. These "time test" samplers were installed at two different locations within AOC-22 at the commencement of field operations. Time tests were retrieved from the field and submitted to NERI for analysis after a seven day exposure.

Results indicated that within this seven day time period light weight and medium weight petroleum hydrocarbons and the chlorinated solvent trichloroethene had adsorbed to several of the samplers from the soil gas at levels sufficient for analysis. This finding was communicated to SAIC field operatives and it was concluded that all of the Petrex soil gas samples at AOC-22 could be retrieved after an exposure of seven to fourteen days.

According to field crew scheduling, all Petrex samplers were uniformly allowed an exposure of approximately fourteen (14) days (see field log sheets). All Petrex soil gas samplers were then retrieved from the field and submitted via overnight courier to NERI for analysis.

Samplers were received in good condition and were logged-in by NERI's laboratory on July 19, 1994 (see sample submittal and chain of custody documents). TD-MS soil gas sample analysis was performed on July 27, 1994.

7.0 QUALITY ASSURANCE/QUALITY CONTROL

7.1 Analytical Method

Please see the Petrex Protocol for a description of analytical method QA/QC procedures.

7.2 Lot Control

Quality assurance/quality control (QA/QC) collectors from each lot manufactured by NERI were analyzed by TD-MS to ensure that they were contaminant free before the lot of collectors used in the field was released from the Petrex laboratory. No compounds were detected above background on the QA/QC collectors.

7.3 Travel Blanks

Two Petrex soil gas samplers (labeled #206 and #207) were incorporated into this survey as travel blanks. These travel blanks remained sealed and traveled with the survey samplers from the laboratory to the field and back to the laboratory. The purpose of the travel blanks was to indicate the potential for contamination of the soil gas samplers in shipping and storage. The travel blanks were analyzed under the same instrument conditions as the soil gas samples collected in the field. Results of TD-MS analyses of the travel blanks for the targeted compounds are provided in Table 1.

Analysis of the two travel blank samples yielded very low responses to ions by which the aromatic hydrocarbons benzene and toluene are reported. No ions were detected in these blanks by which the other targeted compounds are reported.

Responses to light weight hydrocarbons in the blanks are most likely the result of the detection of these common volatile compounds at trace levels in the ambient environment in which the samplers were handled, stored and prepared for analysis. Note that the response values derived from analysis of the travel blanks for total aromatic hydrocarbons are two or more orders of magnitude less than the values highlighted as potentially anomalous on Plate 2.

The response to targeted compounds yielded by the blanks should be used as a background against which the soil gas sampling results are evaluated.

7.4 Sample Duplicates

Of the seventy-two samples installed in the field, eight (11%) contained an additional soil gas collector element for the purpose of yielding a duplicate sample for QA analysis. These eight duplicates were analyzed via TD-MS in the same analytical run during which all other soil gas samples were analyzed.

Comparison of the results of analysis of duplicate pairs indicates the following:

1. Response to targeted compounds varied by an average 49% from the mean.

2. Independent of the variation in magnitude of response, sample duplicates demonstrated similar composition. Ions derived from the same targeted compounds were identifiable in each sample of the duplicate pair and occur in the same patterns of relative abundance by which the target compounds are identified and reported (compare mass spectra of duplicate samples #59 and #2059, and #194 and #2194)

Based on these findings it may be concluded that although analytical response to a particular soil gas environment varied, this variation rarely exceeded an order of magnitude, the basis on which most data sets are organized (and contoured on attach maps) for evaluation. Variation within this range does not affect interpretation of results or fulfillment of the stated objectives of this survey.

8.0 RESULTS

8.1 Presentation

Soil gas survey results were produced through TD-MS analysis of one soil gas sample from each sample collection point.

TD-MS analysis allows for the identification of general contaminant groups (e.g., light weight aromatics) and several typically recognizable species (e.g., toluene). TD-MS analysis also allows for rapid and cost effective determination of the relative level of identified VOCs in each sample so that comparisons of these levels may be made between all samples collected from the site.

All VOCs and SVOCs contained in a soil gas sample are subjected to ionization and fragmentation in the mass spectrometer during TD-MS analysis. Individual compounds or compound groups are then identified by their unique and consistent pattern of ion abundance. The abundance of ions of any one specific atomic mass (in AMU) is translated as a "peak" on the mass spectrum. The relative level of a compound in a sample is reported from the abundance of the molecular ion (or height of the reporting peak) in ion counts. Table 2, below, lists the ions (or peaks) used to report the levels in the soil gas samples of the target compounds (also see Table 1 and sample mass spectra).

Table 2
Target Compound Reporting Ions

Compound	Reported Ions (AMU)
Total Aromatic Hydrocarbons	sum of: 78, 92, 106, 120, 134, 148, 162, 176, 190, and 204.
Total Semivolatile Hydrocarbons	sum of: 128, 142, 153, 156, 178, 184, 198, 202, and 212.
Total Oil & Grease Range Hydrocarbons	sum of: 180, 182, 184, 194, 196, 198, 208, 210, and 212.
Total Halogenated Hydrocarbons	sum of: 130 and 164.

The letter designations "ND" and "NI" appear in the place of some data values in Table 1 and on Plates 2 through 5. The letters "ND" denote that no ions by which the targeted compounds are reported were detected in that sample. The letters "NI" denote that the target compounds were not identified in the sample and that any analytical response was derived from the detection of other VOCs/SVOCs or fragments of other compounds generated in analysis.

TD-MS response to target compounds displayed in Plates 2, 3, 4, and 5 is highlighted by isopleths. The sole purpose of these isopleths is to accentuate naturally occurring aspects of the distribution of results. Population groupings by which isopleths were chosen are displayed in histograms of the data sets (see Appendix D).

Survey results via TD-MS analysis are presented in Table 1 and in Soil Gas Sample Mass Spectra in Appendices A and B, respectively. Results are also presented in Plates 1 through 5. These plates show the areal distribution of targeted compounds in the soil gas. As Plates 1 through 5 are oversized they are provided seperately and unbound.

8.2 Findings

This Petrex soil gas survey indicated the presence of petroleum hydrocarbons (up to C_{15} in weight in some instances) and the halogenated organics trichloroethene and tetrachloroethene in the subsurface.

The hydrocarbons detected are common to fuels and oils. These hydrocarbons belong to several structural groups, specifically alkanes, cycloalkanes, alkenes, cycloalkenes, dienes, aromatics, and naphthalenics. The hydrocarbons detected in the soil gas at the majority of the sampling locations ranged from C_4 to C_9 in weight. The moderate range of molecular weights and the relative proportions of the hydrocarbon compounds detected in the majority of the samples (see mass spectrum of sample #56) suggest that these hydrocarbons derive from the dilute and well weathered residue of fuel products.

Samples #65, #178, and #197 demonstrate composition similar to that of the majority with one exception. Each of these three samples exhibit pronounced levels of C_7 alkanes (e.g., heptane, methylhexane, ethylpentane, etc.) not observed in the other samples (see mass spectrum of sample #65). The presence of pronounced levels of C_7 alkanes in the soil gas is unlike the composition of the vapor of common light to medium weight fuels. Thus, these three samples may indicate the presence in the subsurface of the dilute and well weathered residue of uncommon fuels, fuels mixed with additives high in C_7 alkanes, and/or fuels coincident in the subsurface with other petroleum products such as a refined solvent high in C_7 alkanes.

Samples #62 and #64 demonstrate combinations of hydrocarbon compounds unlike that observed in the majority of samples. The molecular weight of compounds in these two samples range from C_4 to C_{14} and include pronounced levels of cycloalkenes and/or dienes (see mass spectrum of sample #64). Soil gas of this composition may have derived from the occurrence in the subsurface of only partially weathered medium to heavy weight fuels or oils. As the subsurface mobility of hydrocarbon compounds generally decrease with increasing molecular weight, it is likely that these two samples were collected nearby the occurrence of the weathered products in the subsurface.

Results for individual target compound groups named in Table 1 are discussed in section 9.0.

The high sensitivity to VOCs inherent in the Petrex Method must be considered in the evaluation of these findings. Elevated relative levels of VOCs in the soil gas as detected by this survey may derive from concentrations of these VOCs in soil and/or groundwater which are below the threshold of detection of most quantitative analyses.

This survey also indicated the presence in the soil gas of terpene compounds from plant resins. Terpenes may enter the soil gas naturally through the growth of indigenous vegetation. Terpenes may also enter the subsurface through the release of commercial products containing terpenes such as turpentine.

Elevated levels of terpenes sufficient to interfere with the reporting of Total Aromatic Hydrocarbons were detected in samples #176 (and duplicate), #177, #181, #187, #188, #193, #196, and #202 (see mass spectrum of sample #196). Due to this interference, the recorded response levels for Total Aromatic Hydrocarbons do not accurately represent the level of aromatic hydrocarbons in the soil gas at these sampling locations. Thus the data are excluded from reporting. Despite this interference however, it is observed that only low relative levels of aromatic petroleum hydrocarbons (below what may be considered anomalous) may be present in the soil gas at these eight sampling locations.

9.0 DISCUSSION

9.1 Distribution of Total Aromatic Hydrocarbons

Total Aromatic Hydrocarbons are reported as the combined level of C_6 to C_{15} aromatic (benzene based) hydrocarbon compounds detected in the soil gas. Following alkanes, aromatics may be the next most abundant components of petroleum products used as fuels or heating oils. Light fuels such as gasoline typically contain prominent levels of C_6 to C_{10} aromatics. Heavier fuels such as diesel fuel, kerosene, domestic heating oil, and various weights of commercial or industrial grade fuel oils generally contain more pronounced levels of higher weight species of aromatics and only traces of benzene (the C_6 aromatic).

Aromatics are also the primary constituents of numerous commercial solvents. Mineral spirits, for example, (a popular commercial solvent known under many different brand names) is composed chiefly of C_6, C_7, C_8, and C_9 aromatics.

The presence of elevated levels of aromatics in the soil gas may thus indicate the presence in soil and/or groundwater of the residue of fuels, heating oils, or solvents. The areal distribution of Total Aromatic Hydrocarbons in the soil gas in AOC-22 is displayed by Plate 2. Relatively elevated levels of aromatics are present in the soil gas principally in the southern portion of the AOC. Only three sampling points outside of this area (to the northwest) also demonstrated elevated levels of aromatics. With the exception of samples #62 and #64, it is the C_7 and C_8 aromatics which are the most elevated in the samples from the southern portion of the AOC and from the three isolated points to the northwest. As stated earlier, the hydrocarbons detected in samples #62 and #64 include compounds of heavier weight compared to that detected in the majority of the samples. Of the aromatics detected in these samples, it is the C_7 through C_{10} species which are the most pronounced.

These findings for Total Aromatics suggest that the southern and western portions of AOC-22 may contain or border on source areas of one or more fuel-like petroleum products. These source areas may derive from the stock piling of and subsequent leaching of hydrocarbons from petroleum contaminated soils. The distinct composition of and weight range of aromatics present in samples #62 and #64 suggest that the aromatics in the soil gas at these two points may derive from the nearby small scale release to the surface or near surface of medium to heavy weight fuels or heating oils.

9.2 The Distribution of Total Semivolatile Hydrocarbons

Naphthalene, C_{11} through C_{15} alkyl naphthalenes, and C_{12}, C_{14}, and C_{16} polycyclic hydrocarbons (including acenapthene, anthracene, and pyrene) are reported here as Total Semivolatile Hydrocarbons. These compounds may be constituents of creosote, coal tar, and other heavy, high boiling point fraction petroleum products. Naphthalene, and C_{11} and C_{12} alkyl naphthalenes (e.g., methylnaphthalene and ethyl or dimethylnaphthalene) may also be found particularly in heavy weight fuels or heating oils.

The areal distribution of Total Semivolatile Hydrocarbons is displayed by Plate 3. The soil gas at the collection points of samples #62 and #64 demonstrated the highest relative levels of semivolatile compounds. Anomalous though less elevated levels of semivolatiles (specifically naphthalenics) were also detected in the soil gas in the vicinity of the collection points of samples #62 and #64 and at two isolated locations to the north and northeast (see the mass spectrum of sample #172).

The findings of semivolatiles along with other heavy hydrocarbons in soil gas samples #62 and #64 support the inference that the hydrocarbons detected in these samples derive from a heavy fuel and/or oil, as semivolatiles, especially naphthalene and alkyl naphthalene, are often found as constituents of these products. The presence of alkyl naphthalenes in the soil gas at two isolated points in the north of AOC-22 may indicate the location of older isolated spot releases of heavy fuels.

9.3 The Distribution of Total Oil & Grease Range Hydrocarbons

Total Oil & Grease Range Hydrocarbons reported here are C_{13}, C_{14}, and C_{15} alkanes, cycloalkanes, alkenes, cycloakenes, dienes, and alkynes. The base of common petroleum lubricants are these and larger (and subsequently less volatile) straight and branched chain and monocyclic hydrocarbons.

As displayed by Plate 4, only the soil gas at the collection points of samples #62 and #64 exhibited elevated levels of these compounds. Furthermore, no compounds in excess of C_{15} in molecular weight were detected in the soil gas anywhere within the AOC-22 study area.

As these large straight, branched, and monocyclic hydrocarbons are not exclusively found in oils and greases but also in most heavy fuels and heating oils, the occurrence of these compounds in soil gas samples #62 and #64 does not conclusively indicate that petroleum based lubricants were released to the subsurface in this area. Given the presence of numerous other classes of hydrocarbons in these samples it is more likely that the oil and grease range hydrocarbons derive from medium to heavy weight fuels or heating oils.

9.4 The Distribution of Total Halogenated Hydrocarbons

Total Halogenated Hydrocarbons are reported as the combined levels of trichloroethene (TCE) and tetrachloroethene (PCE) in the soil gas. These two chlorinated ethenes were the only halogenated organic compounds detected in the samples. TCE and PCE are most often used in industry as solvents for other organic substances. As such they may be used in degreasing, stripping, or dry cleaning operations. Due to their similar chemical properties, these two compounds may be used interchangeably or in mixed form.

PCE was detected much more frequently in the soil gas than was TCE. Elevated relative levels of TCE were only detected in samples #167 and #194 (see mass spectrum of sample #194). Thus, the majority of the elevated responses to Total Halogenated Hydrocarbons shown in Table 1 and on Plate 5 principally reflect the presence of PCE in the soil gas.

Given the length of sampler exposure and relative to the results of surveys of other portions of OU-5, the levels of TCE and PCE detected within AOC-22 are low overall. As displayed by Plate 5, Total Halogenated Hydrocarbons (mostly PCE) were detected in soil gas samples collected from the central, eastern, and northern portions of the AOC-22 study area. The highest level of a halogenated hydrocarbon (entirely PCE) was detected at the coordinates G5 through sample #179. Given the spotty occurrence and low overall levels of halogenated compounds in the soil gas in this AOC, it is likely that they derive from buried contaminated soils, minor spills, or leaching from contaminated materials stockpiled on the surface. It is unlikely that the TCE and PCE detected here derive from any large scale on-site source.

10.0 CONCLUSIONS

From the findings of this Petrex soil gas survey the following conclusions may be drawn:

1. Petroleum hydrocarbons and halogenated organic compounds exist in the subsurface within AOC-22.

2. The majority of the petroleum hydrocarbons detected in the soil gas likely derive from the residue of well weathered medium to heavy weight fuels or heating oils in soil and/or groundwater. These compounds may have been released to the subsurface through leaching from stockpiled soils, small scale surface spills, or migration from off AOC source areas to the west or south.

3. The greatest potential impact to AOC-22 from petroleum hydrocarbons may be observed along the southern portion of the study area and at limited isolated points to the northwest. However, given the high sensitivity of the Petrex Method to VOCs and SVOCs, even the highest levels of hydrocarbons detected here may represent concentrations of limited environmental significance.

4. Any verification of soil gas results for petroleum hydrocarbons (and determination of the environmental significance of their existence in the subsurface) should begin with testing of soil and groundwater (if reasonably accessible) from Petrex sampling points which exhibited the highest levels of hydrocarbons in the soil gas.

5. PCE is the principal halogenated hydrocarbon present as a contaminant of the soil gas.

6. Likely sources of halogenated hydrocarbons in the subsurface include small scale surface spills, leaching from stockpiled soils or dispersion from buried contaminated soils. It is unlikely that any large scale source of halogenated hydrocarbons exists within or bordering the study area of AOC-22.

7. The greatest potential impact to the study area by a halogenated hydrocarbon (PCE) may be observed in the eastern central portion of the study area at coordinates G5.

8. Any verification of soil gas results for halogenated hydrocarbons should begin with quantitative testing of soil and groundwater at the Petrex sampling grid coordinates of G5. As the Petrex Method is very sensitive to the presence of halogenated VOCs in the subsurface, even the pronounced level of PCE in the soil gas at coordinates G5 may represent a concentration of PCE in soil and/or groundwater of limited environmental significance.

11.0 LIMITATIONS

This report represents NERI's professional interpretation and judgment based on technical information gathered during investigative activities. Professional judgments expressed herein are restricted to facts available within the established limits of the scope of work, budget, and schedule. NERI assumes no responsibility for the existence or disclosure of conditions which did not come to its knowledge, or conditions not generally recognized as environmentally unacceptable, at the time this report was prepared.

It is NERI's specific intent that all observations and conclusions presented will be used as a guide and not necessarily a firm course of action unless explicitly stated as such. No warranties are expressed or implied and the information included in this report is not to be construed as legal advice.

F211422.d

APPENDIX A
Petrex Protocol

REVISED SEPTEMBER 1993

PETREX ENVIRONMENTAL SOIL GAS PROTOCOL

INTRODUCTION

The PETREX Technique provides a means by which trace quantities of gases from subsurface derived organic contaminants can be detected and collected at the earth's surface. The Technique is integrative, thereby eliminating the short-term variations associated with other gas/vapor detection methods. The PETREX Technique directly collects and records a broad range of organic compounds emanating from subsurface sources.

SOIL GAS COLLECTOR PREPARATION

Adsorption collector wires (after construction) are cleaned by heating to 358° C in a high vacuum system. Wires are packed under an inert atmosphere in glass culture tubes. One collector out of every batch of thirty is checked for cleanliness by mass spectrometry. Another collector from the batch is checked for adsorptive capability. Based on the results, the batch of collectors is approved for release into the field.

SOIL GAS SAMPLER INSTALLATION

The sampler consists of two or three collectors, each a ferromagnetic wire coated with an activated charcoal adsorbent in a screw top glass culture tube. Each sampler is typically placed in a shallow hole, 14-18 inches deep. The hole is backfilled and the location is marked. The sampler is left in the ground from one to thirty days, then retrieved and sealed for transportation back to the laboratory for analysis.

The PETREX soil gas sampling technique is adaptable to various surface conditions commonly encountered within survey areas. These surfaces typically include concrete, asphalt, grass, and gravel. Two installation methods are routinely utilized to adapt to these surface conditions.

The first method utilizes a coring shovel for sampler installations in grass or otherwise loosely consolidated soil conditions. The shovel cores a 14 inch deep by 2 inch diameter hole in the surface soils.

PETREX soil gas samplers are placed (open end down) at the bottom of each core hole. The samplers are then backfilled with an aluminum foil plug and the original excavated soil. To complete installation, sample locations are marked with ribbon flagging and a numbered pin flag, as well as entered into a field notebook and plotted on a field map.

The second method of sampler installation utilizes an electric rotary hammer, equipped with an 18 inch by 1.5 inch diameter drill bit, for sampler installations under concrete, asphalt, or otherwise consolidated conditions. A hole is drilled through the surface to the dimensions of the drill bit equipped to the rotary hammer.

PETREX soil gas samplers are placed at the bottom of each drilled hole. For retrieval purposes, a cleaned galvanized steel wire is attached to each sampler. Aluminum foil is used to plug each hole to approximately two inches below grade. Then each hole is capped to grade with hydraulic cement. The hydraulic cement serves as protection from the external surface environment.

To complete sampler installation, sampler locations are marked with paint (where applicable), entered into a field notebook, and plotted on a field map.

SOIL GAS SAMPLER RETRIEVAL

PETREX soil gas samplers are retrieved following a time period that has allowed for the soil gas emanating from the subsurface environment of a survey area to equilibrate with the installed PETREX samplers. This time integration period is determined for each PETREX soil gas survey based on time calibration data or site conditions.

Retrieval operations are dependent on surface conditions and routinely consist of the following two methods.

The first method applies to grass covered or loosely consolidated soil conditions. A trowel is utilized to expose the backfilled samplers; then with a pair of tongs, the samplers are brought to the surface. At the surface, the samplers are sealed, cleaned, and labeled. Following retrieval, all debris are gathered and the core hole is backfilled with original material.

The second method applies to concrete, asphalt, or other consolidated surface conditions. A hammer and chisel is utilized to remove the hydraulic cement plug and expose the sampler. By means of the pre-attached retrieval wire, the sampler is brought to the surface. At the surface, the retrieval wire is removed and the sampler is sealed, cleaned, and labeled. Following retrieval, each drill hole is backfilled and patched with cement or asphalt.

TIME CALIBRATION SAMPLERS

Time calibration samplers are included in PETREX soil gas surveys, as appropriate. These samplers are included as a means of monitoring the loading rates of volatile and semivolatile organic compounds (VOCs and SVOCs) emanating from the soil gas at a survey area onto the PETREX collectors.

During PETREX sampler installation, two sets of three to five time calibration samplers are also installed at survey sample locations that best represent the range of soil gas response for the survey area. These representative locations are determined based on previous soils and/or groundwater studies and other site specific conditions such as gradient and potential source areas.

The first set of time calibration samplers are generally retrieved within a week or less following the initial installation and the second set one week later. Often, permanent on-site personnel are instructed to perform time calibration sampler retrieval.

Lengths of exposure periods of the survey samplers for each survey are determined based on the results of each respective set of time calibration samplers. Time calibration samplers are usually analyzed within 24 hours upon receipt at the laboratory. At the first indication of significant relative ion count intensities and significant total ion count values, the decision is made to retrieve the entire complement of survey samplers.

If there are no significant relative ion count intensities detected from the second set of time calibration samplers, then the survey samplers are allowed to equilibrate in the field for a maximum time period of up to 30 days. The average environmental PETREX soil gas survey requires a collector integration period of one day to two weeks.

METHOD QA/QC

Within every survey sampler, the two or three collector wires should have adsorbed identical compounds. Like compounds on separate collectors relate an acceptable quality assurance (QA) during the survey's analysis. The first wire is analyzed by Thermal Desorption/Mass Spectrometry (TD/MS). The data from the first wire is reported on the relative response maps. The second wire is retained for analysis by Thermal Desorption-Gas Chromatography/Mass Spectrometry (TD-GC/MS), if warranted by the initial TD/MS analysis of the second wire.

Approximately ten percent of the total PETREX survey samplers contain three collector wires. The third collector wire, a QC collector wire, is used by the operator to test the mass spectrometer's operating conditions prior to survey analysis. Some of these quality control (QC) collectors are also used to check the mass spectrometer sensitivity during survey analysis. In addition, the QC collector may be used to compare the reproducibility of the detected VOCs.

TRAVEL BLANKS

Two PETREX samplers, each containing a single collector wire, are included with each PETREX soil gas survey as travel blanks. These blanks are analyzed with the survey samplers to indicate whether there may have been contamination introduced to the survey samplers during installation or shipment. If compounds other than normal atmospherics (e.g., CO_2, H_20, N_2, and Ar) are detected on the blanks, these results are taken into consideration in the data presentation. This process, an initial step to data interpretation, involves the correction of ion count values of the detected blank contaminants from the entire survey's data set. The resulting ion count values are provided on the relative response maps.

MASS SPECTROMETER TUNING

An Extranuclear Quadrupole C-50 Mass Spectrometer or similar instrument, equipped with a Curie-point pyrolysis/thermal desorption inlet, is used for collector analysis. Mass assignment and resolution are manually adjusted using a Perfluorotributylamine (PFTBA) standard or a built-in tuning program, depending on the instrument. A linear correction, based on the known spectrum of PFTBA, is calculated. This correction is applied to a second PFTBA spectrum. If correct mass (M/Z) values are obtained, the operator proceeds to the next tuning step. If not, Step 1 is repeated until correct masses are obtained.

Peak intensity ratios are set from the major peaks in the PFTBA spectrum using the following values:

Mass (M/Z)		Spectrum Intensities
69	=	100%
131	=	48% ± 5%
219	=	50% ± 5%

During tuning, the ion signal for mass (M/Z) 69 of PFTBA is measured at a preset sample pressure and detector voltage and compared to previous values at the same setting.

Electron energy is set to 70 electron volts. All other operating parameters, such as scans, scan range, and mass offset, are established in the computer program. These values may only be changed by the laboratory manager.

Tuning is performed at the beginning of a run so that an individual survey is analyzed at the same set of instrument conditions. The samplers are analyzed in random order.

LABORATORY ANALYSIS

Periodic machine background and blank PETREX collector analyses are performed to assure that there is no carry-over between successive collectors. If there are peaks present which are not related to atmospheric gases, the supervisor is notified and the mass spectrometer is shut down and cleaned as necessary.

A written sample number record is kept during the analysis to prevent accidental cross numbering. The mass spectrometer control program contains appropriate "flag statements" that prompt the operator with a warning if an input sample number has already been analyzed. The operator then checks the current number, along with the disk storage location of the previously entered number to identify the true numbering situation.

COMPOUND IDENTIFICATION

Compound identification is based on molecular weight, compound fragmentation, and isotope distribution, as applicable. Each VOC exhibits a unique mass spectral signature. NERI maintains a large library of spectra of individual compounds, accessible by computer. In addition, the company maintains a large library of mass spectra of commonly used chemical mixtures; e.g., gasolines, diesels, industrial oils and solvents, coatings, plastics, etc. These spectra are used to assist in both compound and mixture identifications.

The ion count response of an indicator peak(s), representative of the compound and away from interference by other compounds, is extracted for data presentation and mapping.

INTERPRETATION OF SOIL GAS DATA

Soil gas data (including PETREX) reflect volatile and semivolatile organics collected at a point in the near surface. The sources of these volatile organics may be in the stratigraphic column and/or in groundwater below the collection point. Thus, the organics can be derived from surface spills, deposition, or migration into the deeper vadose zone, and groundwater. The soil gas survey reveals the areal extent of contamination and is the optimum guide in identifying areas in order to develop a vertical profile, including the drilling of soil borings and monitoring wells.

Soil gas data are always semi-quantitative in that multiple sources in soil and/or groundwater cannot be differentiated. However, the higher ion responses are representative of higher concentrations in the subsurface, given that geologic conditions are relatively consistent.

Due to chemical differences between individual compounds, including their ability to both adsorb and desorb from the charcoal PETREX collector element, it is invalid to compare the ion count of a compound at one sampling location to that of another compound.

Patterns of compound distribution in the soil gas, as detected at the surface, can be strongly influenced by irregularities in the near surface and subsurface environment through which the soil gas diffuses. These irregularities include subsurface man-made structures, such as concrete foundations, drainage systems, and wells, and such naturally occurring structures as fractured and unfractured bedrock, clay, and shale lenses.

Other factors influencing the soil gas signal include ground and surface water, the free carbon content of soils, microbiotic activity in the soil, and natural and synthetic ground cover.

All of these factors indicate that the most powerful use of soil gas data is in reconnaissance; identifying and mapping the relative abundance of the widest array of chemical species and mixtures. Efforts to relate soil gas response directly to groundwater or soil contaminant concentrations is generally not regarded as productive owing to the assumptions that are required for heterogeneity and source distribution.

RELATIVE RESPONSE DETERMINATION AND MAPPING

The relative response values are reported as the ion counts of indicator peaks for any given compound or mixture. Sample locations on a base map are digitized as X-Y coordinates and ion counts for the reported compounds are plotted at respective locations.

Mapping of the ion counts occurs after contour intervals for each compound or component class are determined. In order to establish the contour intervals, factors such as statistical analysis of ion count distribution, physiochemical considerations, and component-source material relationships (if known) are taken into account for each compound or class, in each area, on an individual basis. Each map is then contoured by hand. The resultant contour zones for each compound or component class in each area are color coded on a relative basis depending on whether the data are interpreted to be of high, moderate to high, moderate, etc., intensity. The response values found on each of the response maps are color coded and contoured on this basis.

APPENDIX B
Table 1

Table 1: AOC-22 Petrex Survey Results

NERI Project: 2114-1E
Site: Operable Unit -5, U.S.D.O.E. Mound Plant
Analysis: Thermal Desorption - Mass Spectrometry
Date of Analysis: 7/27/94
Units: Ion Counts

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
54	186,709	ND	ND	ND
55	227,866	ND	ND	ND
56	3,141,968	22,501	ND	NI
57	55,998	ND	ND	ND
58	6,245	ND	ND	ND
59	411,709	2,342	ND	ND
2059 (e)	190,447	ND	ND	ND
60	495,065	3,827	ND	ND
61	2,171,808	22,552	ND	9,626
62	2,698,651	1,050,097	150,123	NI
63	716,677	9,335	ND	8,867
64	1,943,556	1,615,847	556,375	NI
65	1,475,885	5,940	ND	ND
66	1,338,244	16,632	ND	ND

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
67	158,894	70,139	ND	ND
2067 (e)	1,280,487	29,962	5,976	ND
68	2,073,179	5,118	ND	5,513
69	637,137	7,101	ND	ND
70	488,506	48,955	ND	ND
71	523,472	ND	ND	ND
72	807,798	5,342	ND	ND
73	1,492,063	5,324	ND	9,106
74	185,343	ND	ND	ND
75	68,396	ND	ND	ND
2075 (e)	20,403	ND	ND	ND
76	517,857	1,298	ND	ND
77	506,990	ND	ND	20,536
78	1,441,422	14,651	ND	ND
79	713,386	ND	ND	ND
80	349,439	ND	ND	ND
2080 (e)	656,485	ND	ND	ND
81	132,586	ND	ND	ND
82	509,757	ND	ND	ND
83	53,662	ND	ND	ND
84	2,183,798	ND	ND	9,645
85	418,320	ND	ND	ND
166	53,834	ND	ND	13,415
2166 (e)	61,031	1,267	ND	51,637
167	256,384	ND	ND	117,769

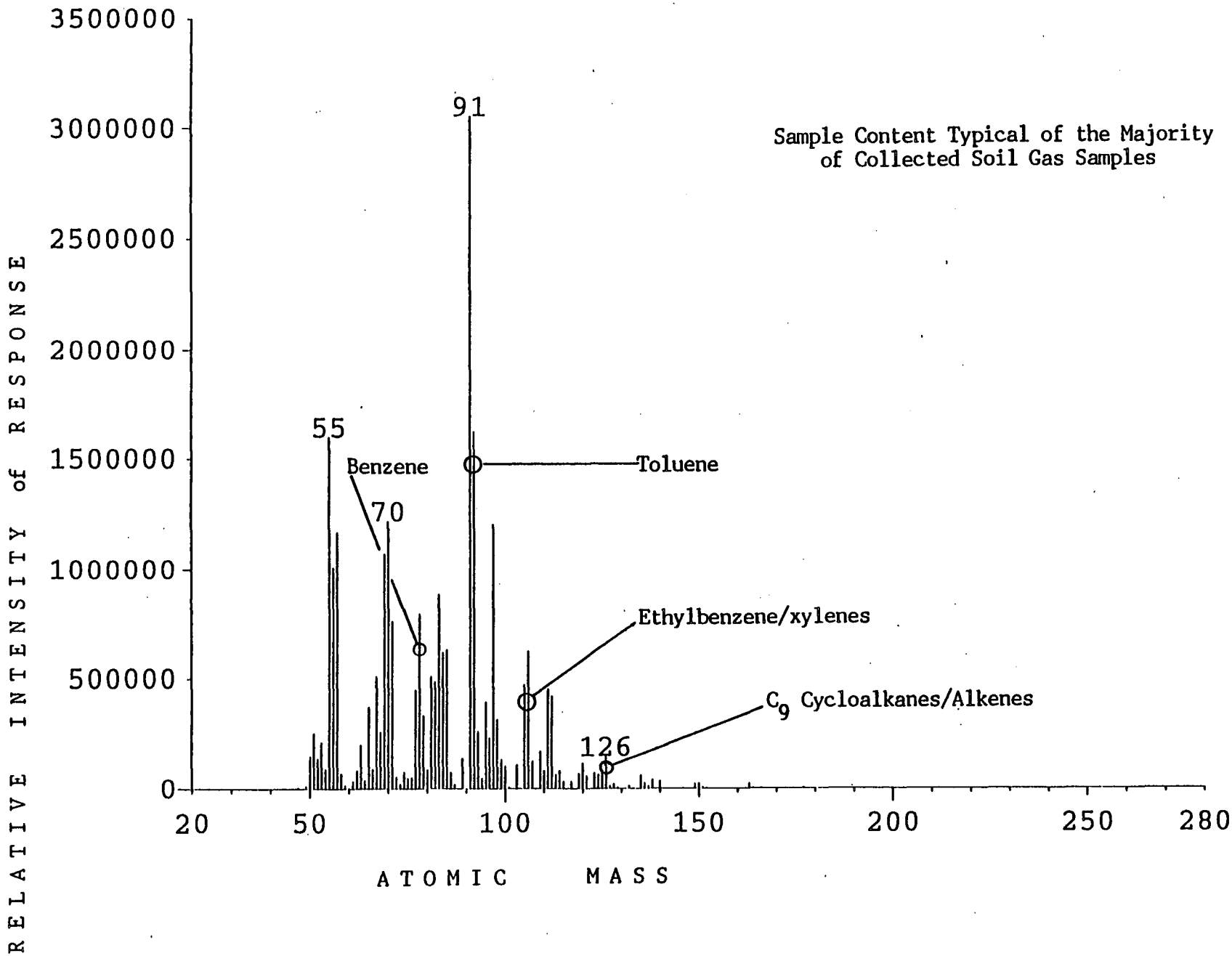
Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
168	88,796	ND	ND	ND
169	189,226	ND	ND	ND
170	226,467	1,236	ND	ND
171	250,520	3,947	ND	NI
172	44,696	113,956	ND	NI
173	44,603	ND	ND	ND
174	15,161	ND	ND	ND
175	189,375	5,951	ND	ND
176	T	ND	ND	NI
2176 (e)	T	ND	ND	NI
177	T	ND	ND	ND
178	825,148	ND	ND	23,384
179	225,008	ND	ND	245,075
180	98,004	ND	ND	NI
181	T	ND	ND	ND
182	176,517	4,047	ND	NI
183	65,345	ND	ND	NI
184	62,645	ND	ND	ND
185	2,848,095	121,209	ND	NI
186	42,518	ND	ND	ND
187	T	1,350	ND	NI
188	T	4,169	ND	41,434
189	378,649	ND	ND	9,160
190	204,763	4,284	ND	ND

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
191	84,118	ND	ND	35,374
192	273,118	ND	ND	25,478
193	T	ND	ND	ND
194	247,114	ND	ND	84,220
2194 (e)	50,913	ND	ND	7,669
195	793,697	513,516	1,880	74,027
196	T	1,058	ND	ND
197	1,871,041	ND	ND	6,654
198	56,637	ND	ND	NI
199	33,322	20,332	ND	16,987
200	3,112	ND	ND	ND
2200 (e)	7,917	ND	ND	NI
201	32,832	ND	ND	ND
202	T	ND	ND	22,738
203	74,041	6,995	ND	NI
204	831,284	5,594	ND	NI
205	11,323	1,260	ND	ND
206 *	22,017	ND	ND	ND
207 *	4,195	ND	ND	ND

Key: (a) Intensity of response to ions of atomic masses 78, 92, 106, 120, 134, 148, 162, 176, 190, and 204.
(b) Intensity of response to ions of atomic masses 128, 142, 153, 156, 178, 184, 198, 202, and 212.
(c) Intensity of response to ions of atomic masses 180, 182, 184, 194, 196, 198, 208, 210, and 212.
(d) Intensity of response to ions of atomic masses 130 and 164.
(e) Duplicate of preceding sample.
T denotes interference by terpenes; see text.
NI Target compounds not identified in sample.
ND Target compounds not detected in sample.
* denotes Travel Blank.

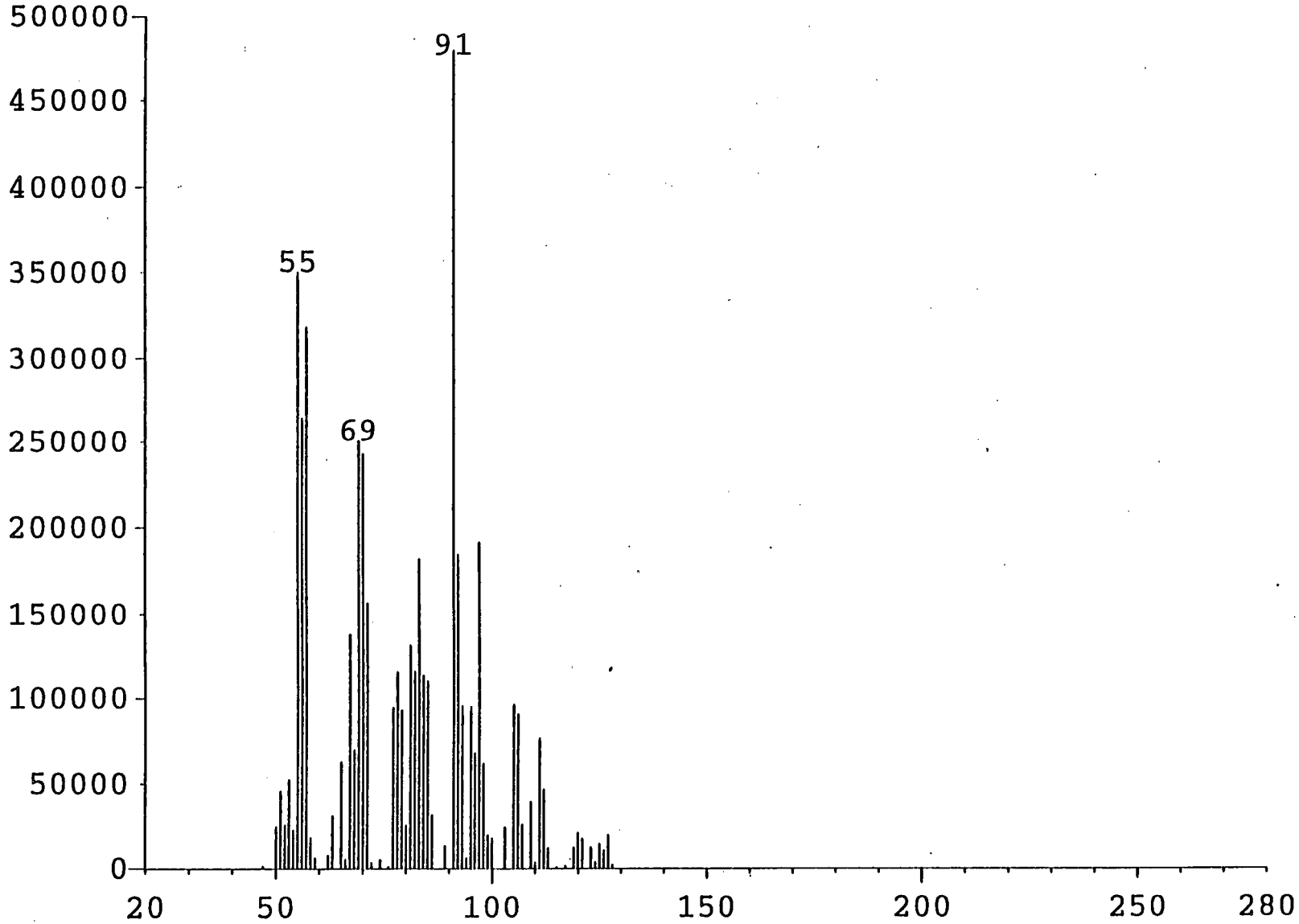
APPENDIX C
Selected Soil Gas Sample Mass Spectra

Sample Number → 0056: Scan Avg 1-20 (0.01 - 0.14 min)

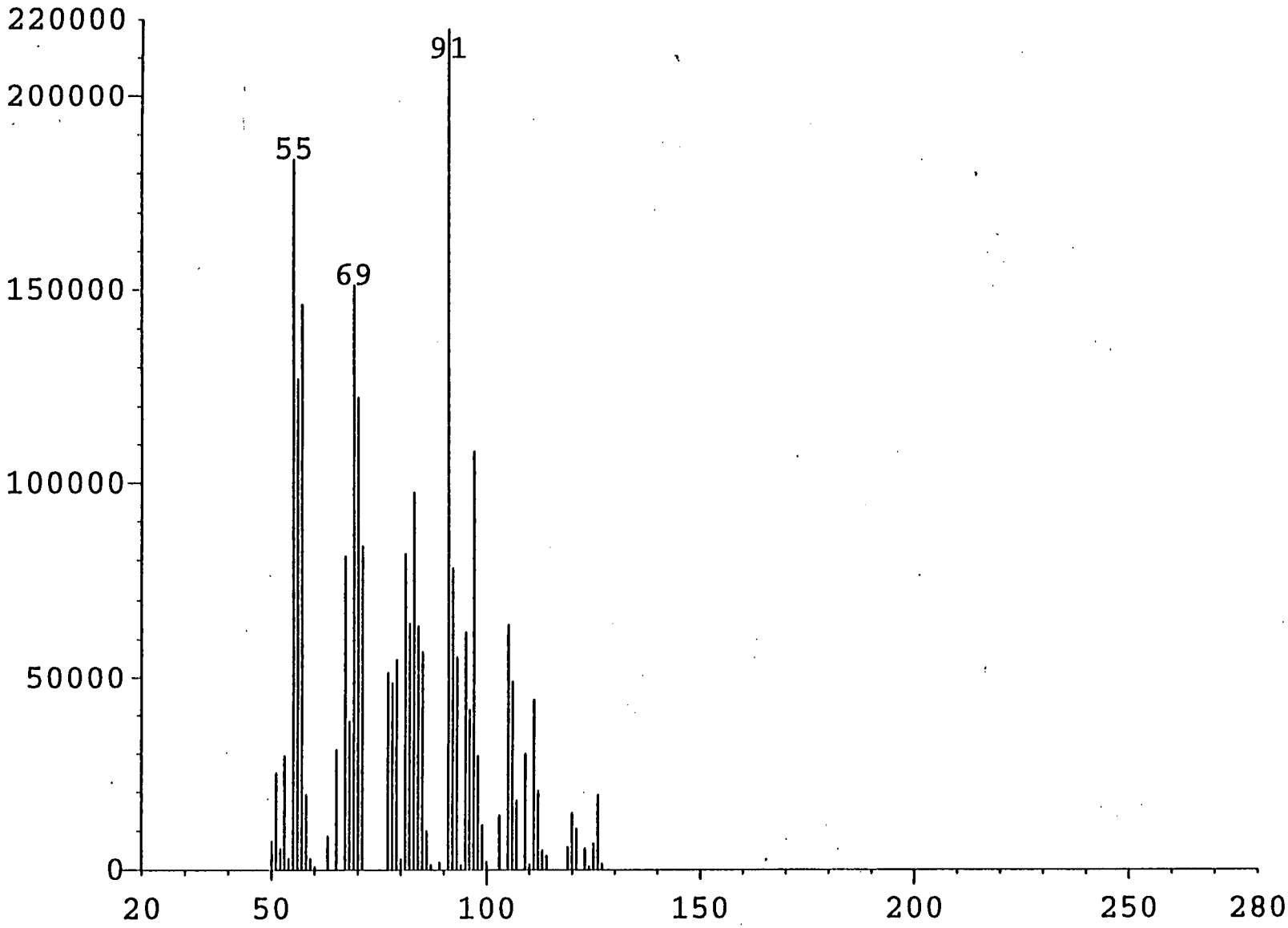


2114.1

0059: Scan Avg 1-20 (0.01 - 0.14 min)

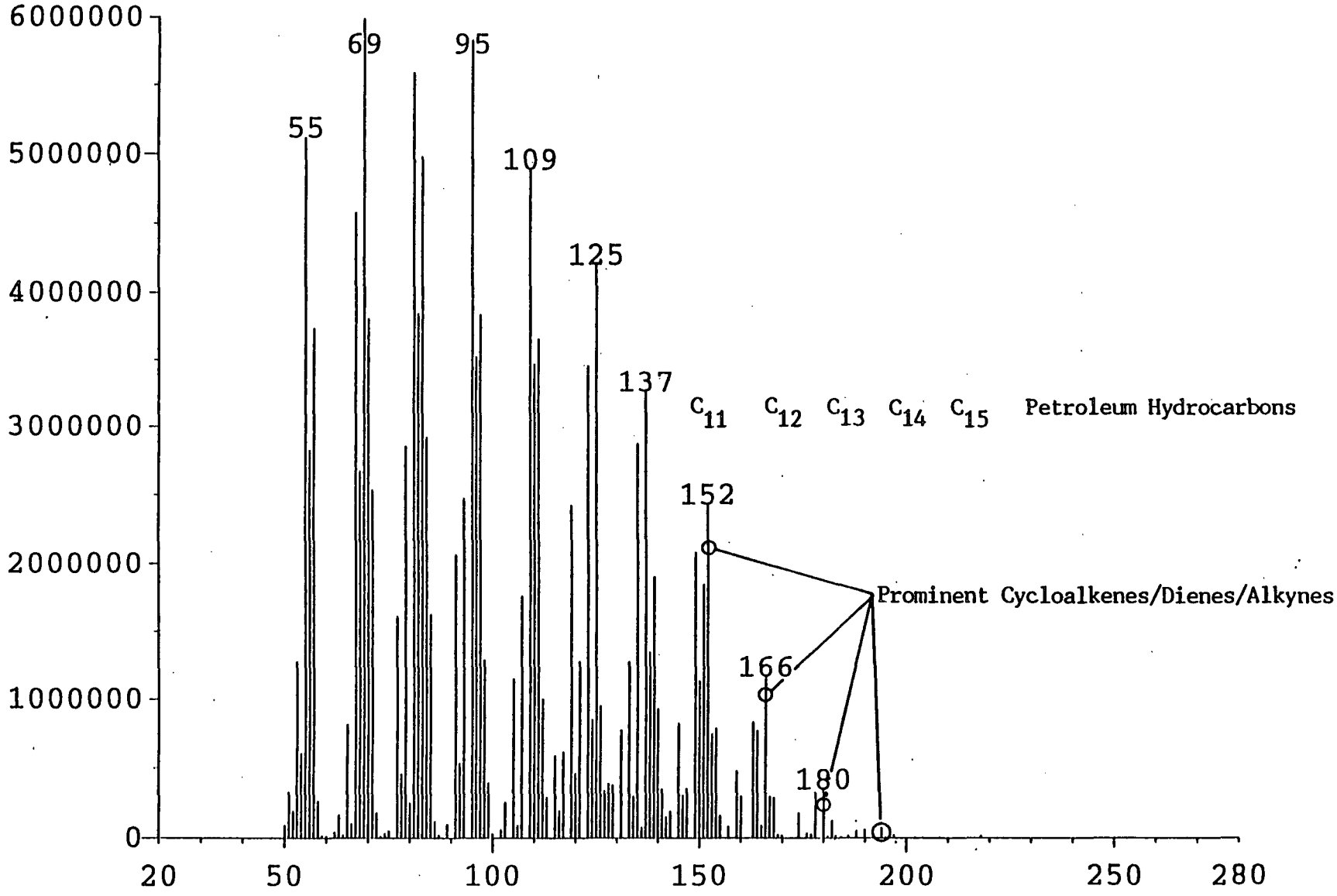


2059: Scan Avg 1-20 (0.01 - 0.14 min)



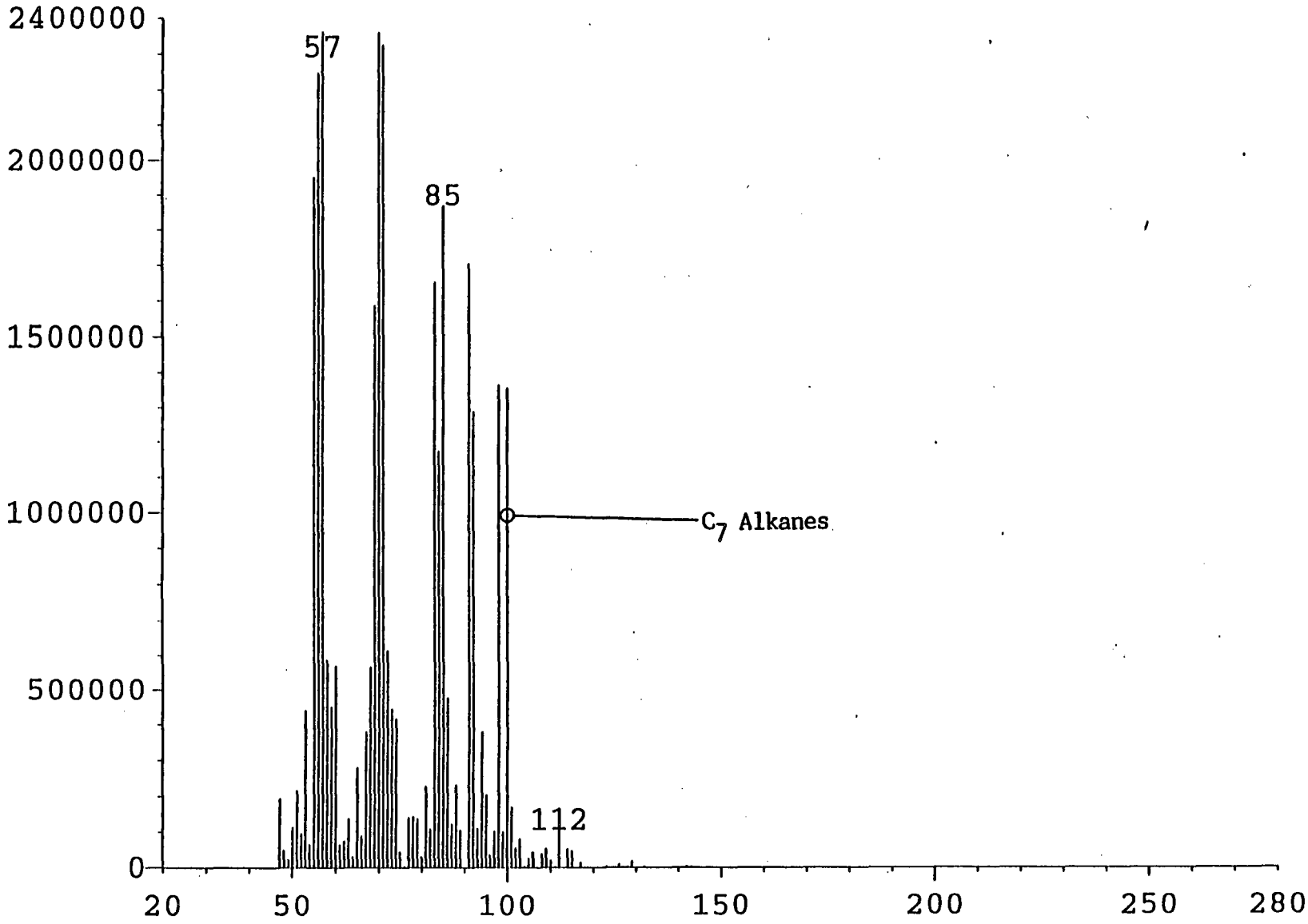
2114·1

0064: Scan Avg 1-20 (0.01 - 0.14 min)



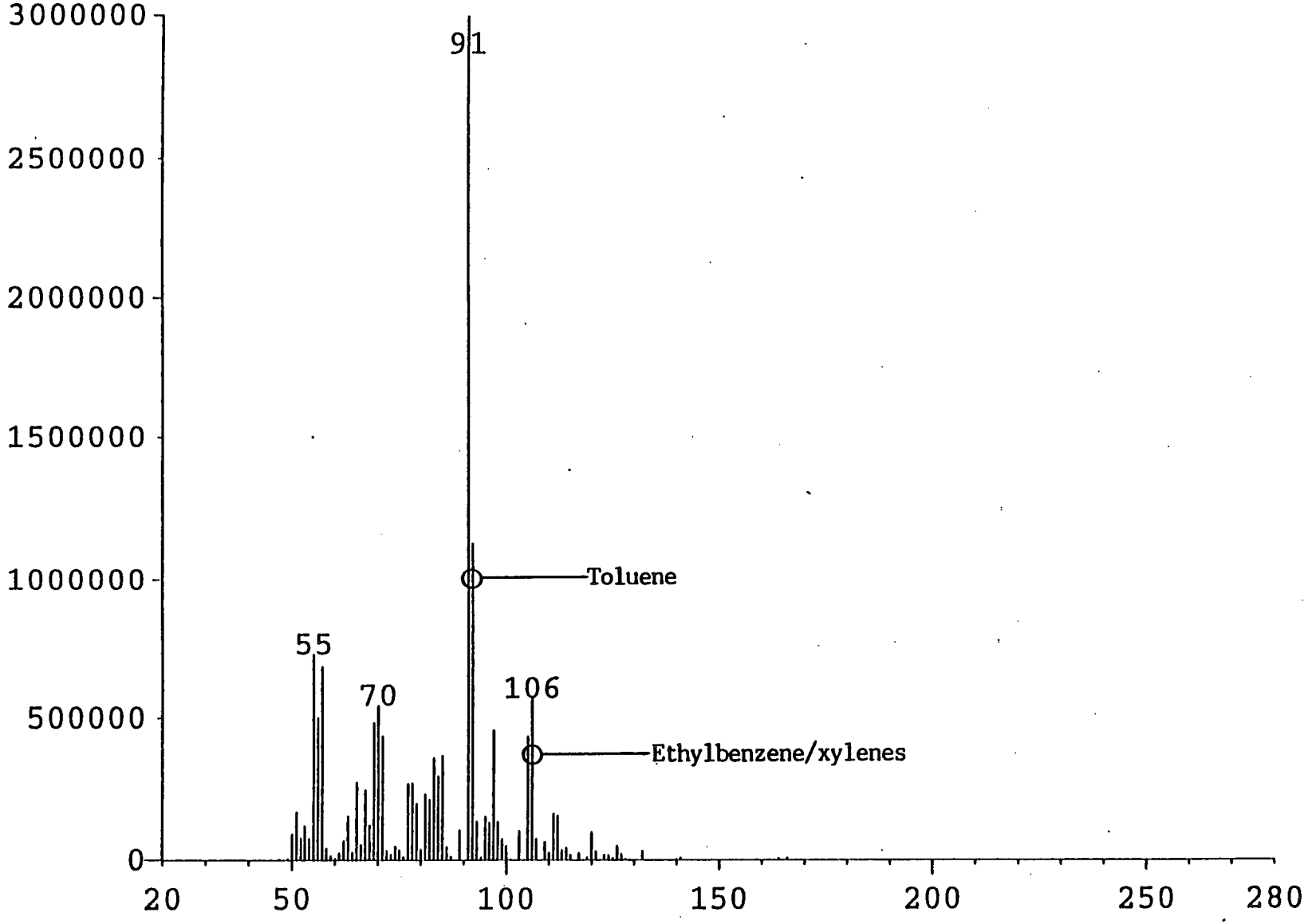
2114·1

0065: Scan Avg 1-20 (0.01 - 0.14 min)

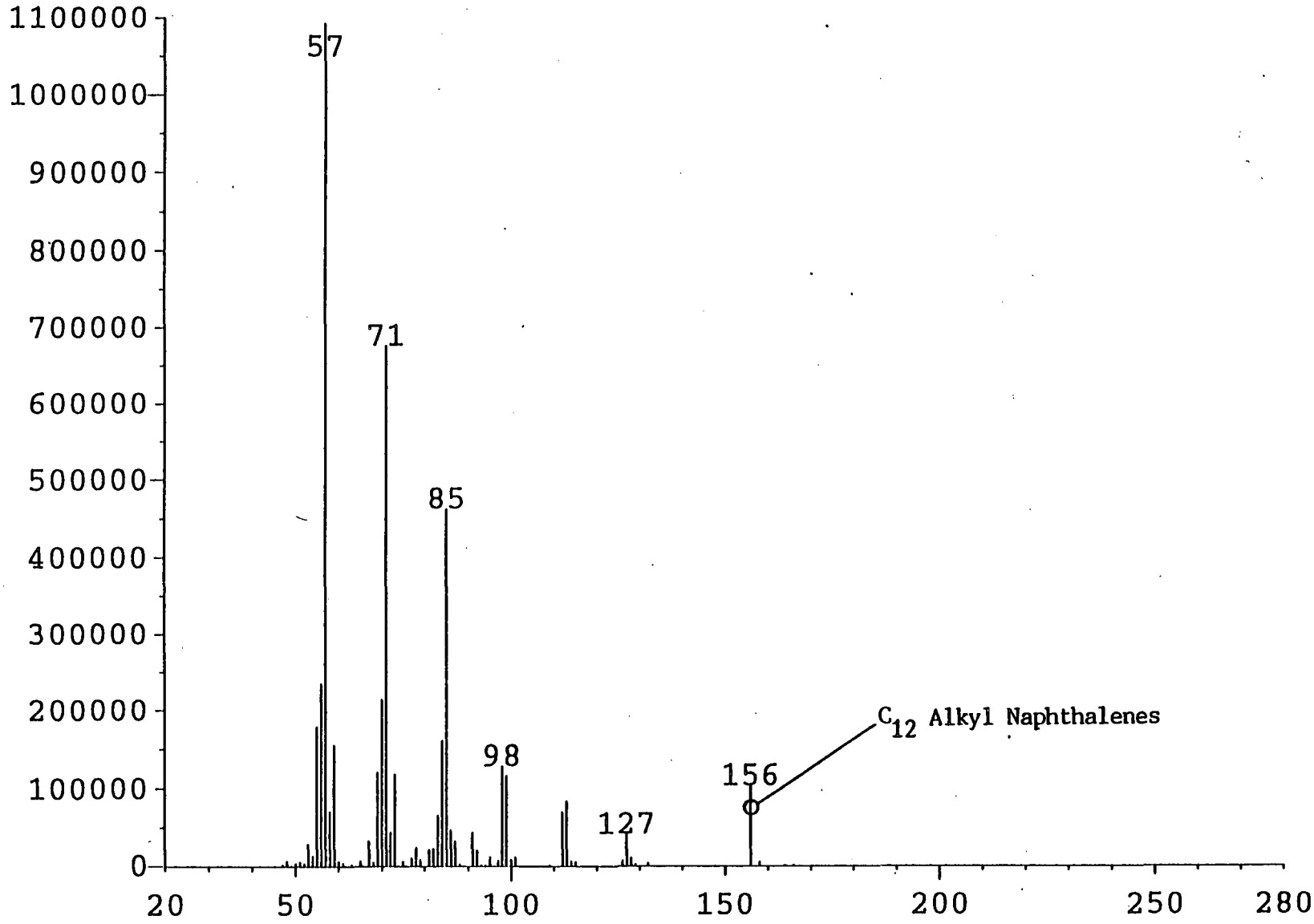


2114·1

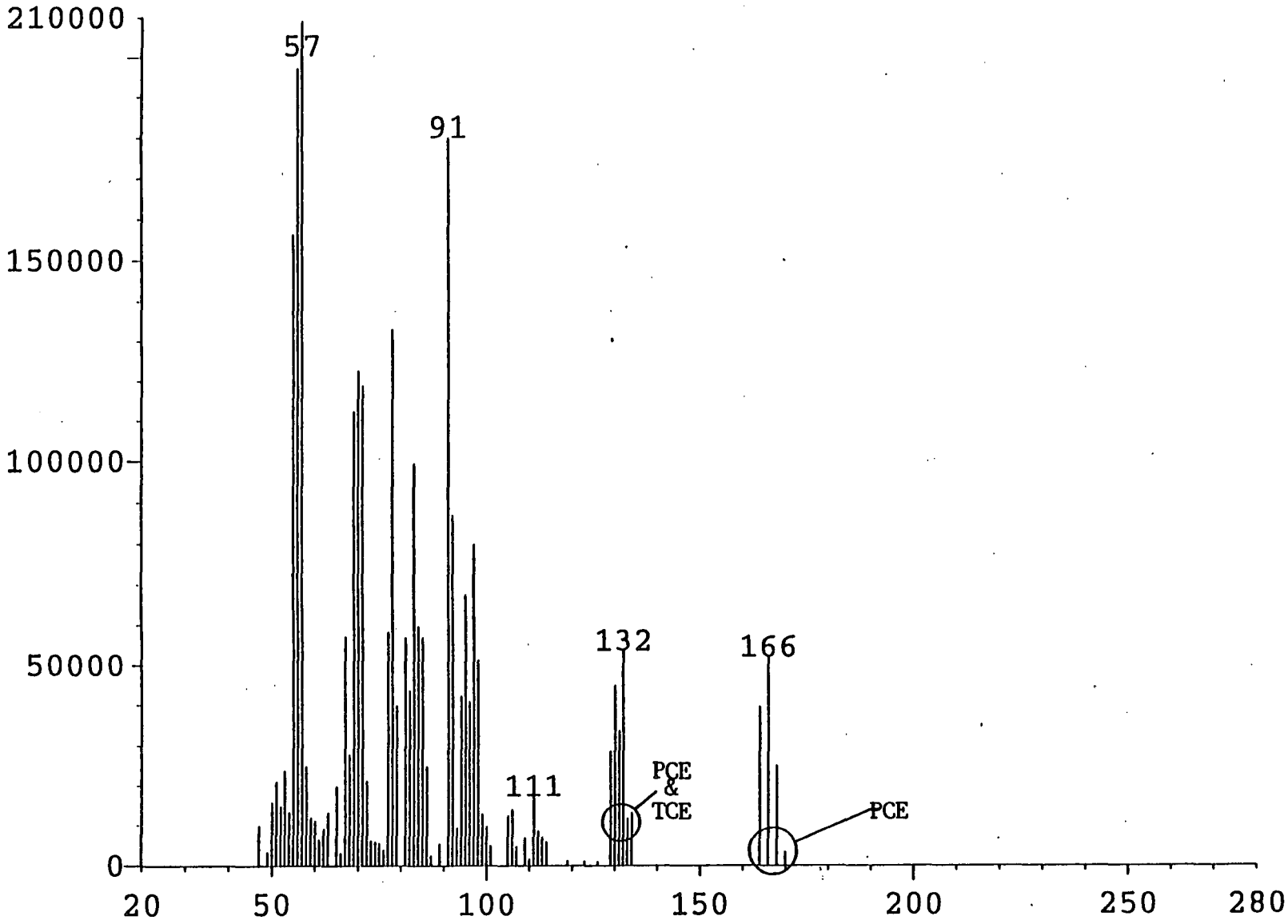
0068: Scan Avg 1-20 (0.01 - 0.14 min)



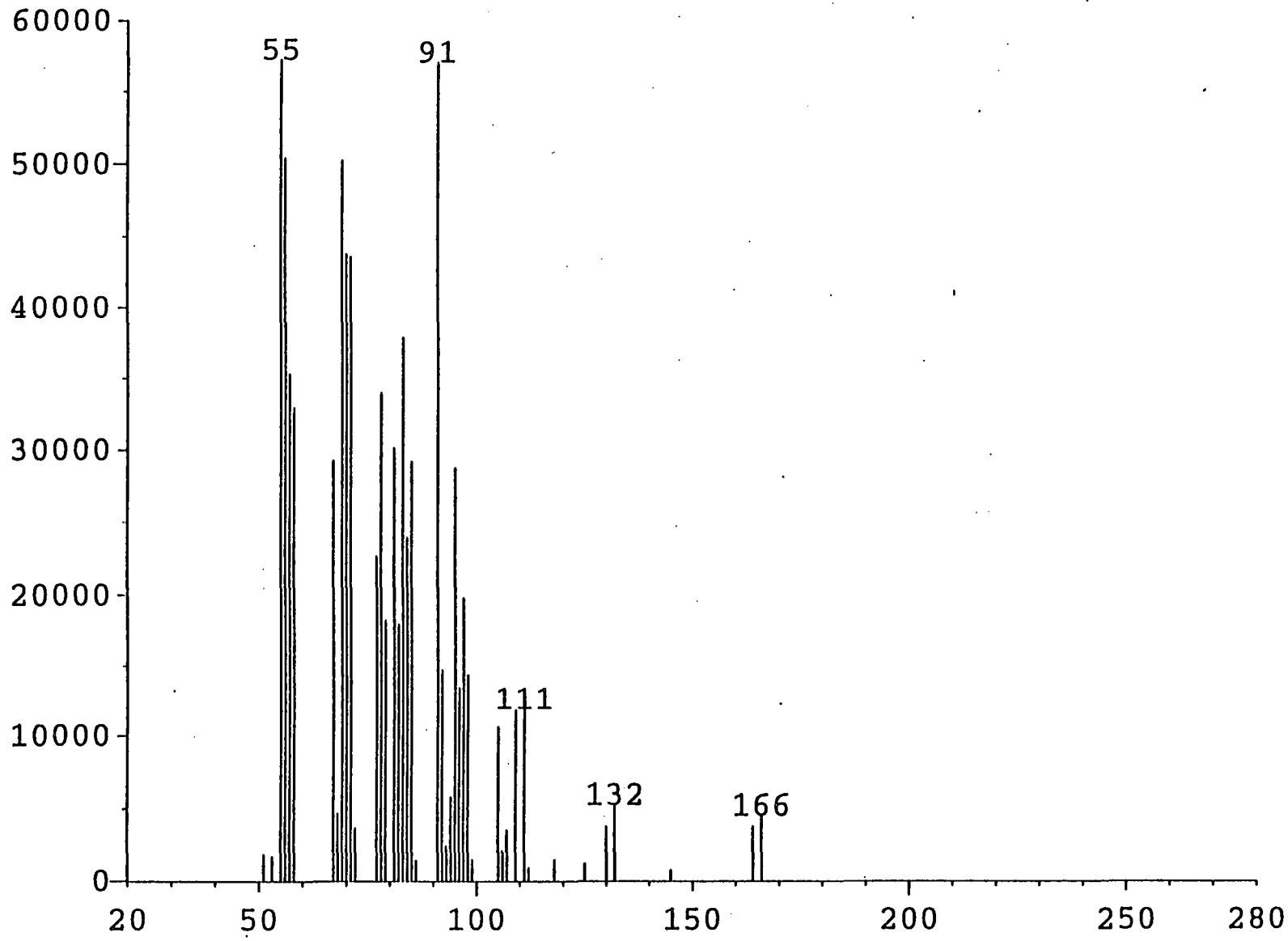
0172: Scan Avg 1-20 (0.01 - 0.14 min)



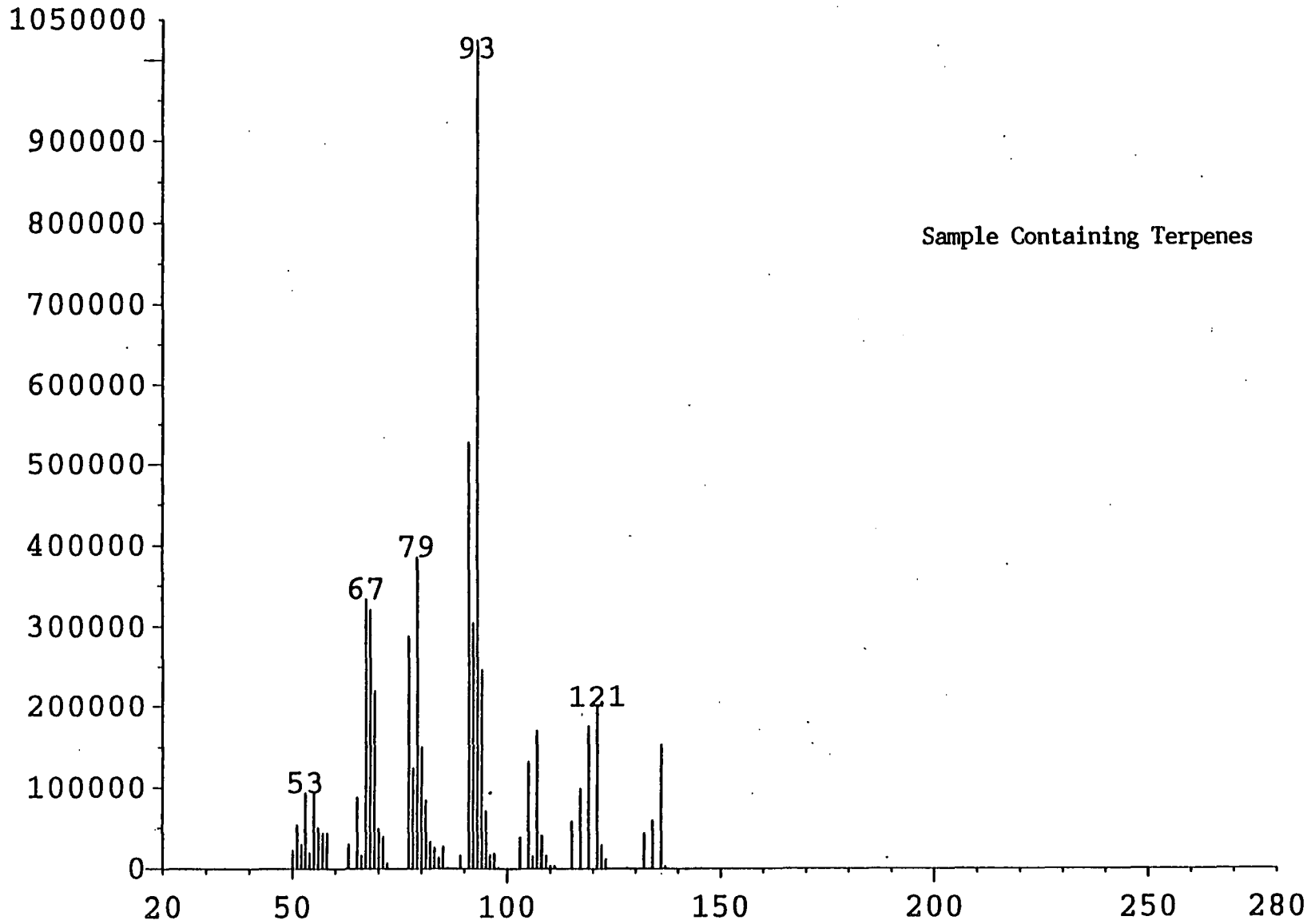
0194: Scan Avg 1-20 (0.01 - 0.14 min)



2194: Scan Avg 1-20 (0.01 - 0.14 min)

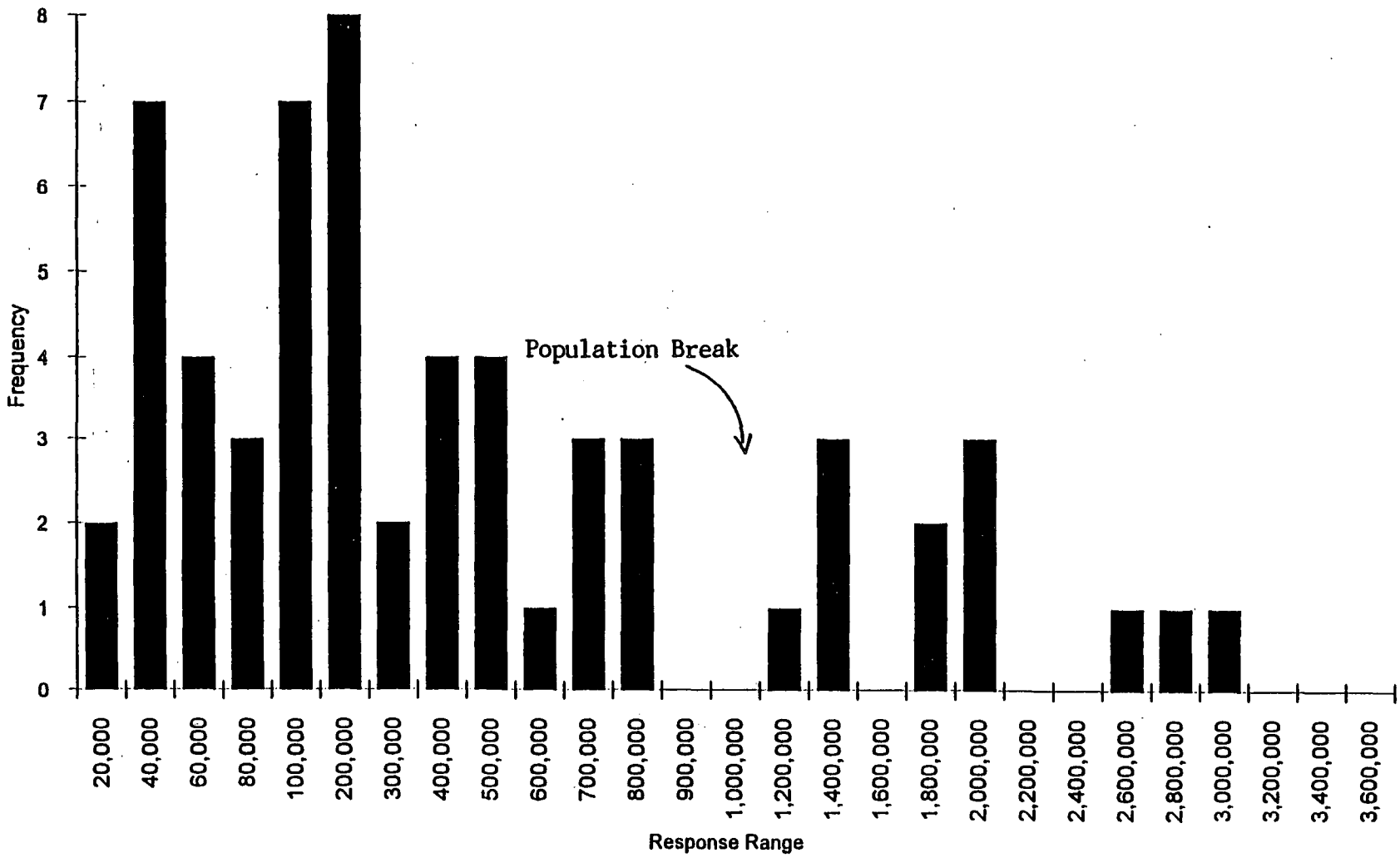


0196: Scan Avg 1-20 (0.01 - 0.14 min)

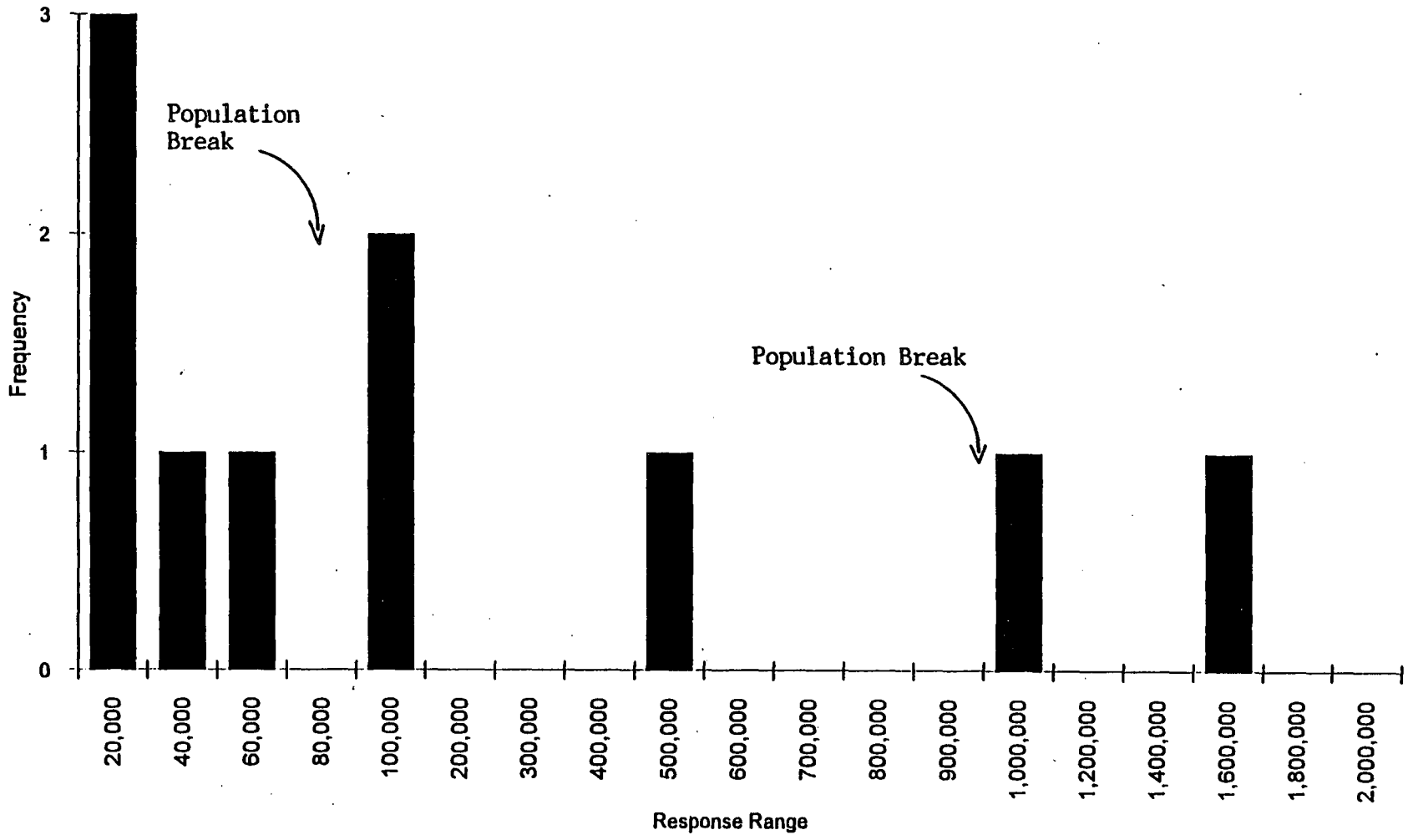


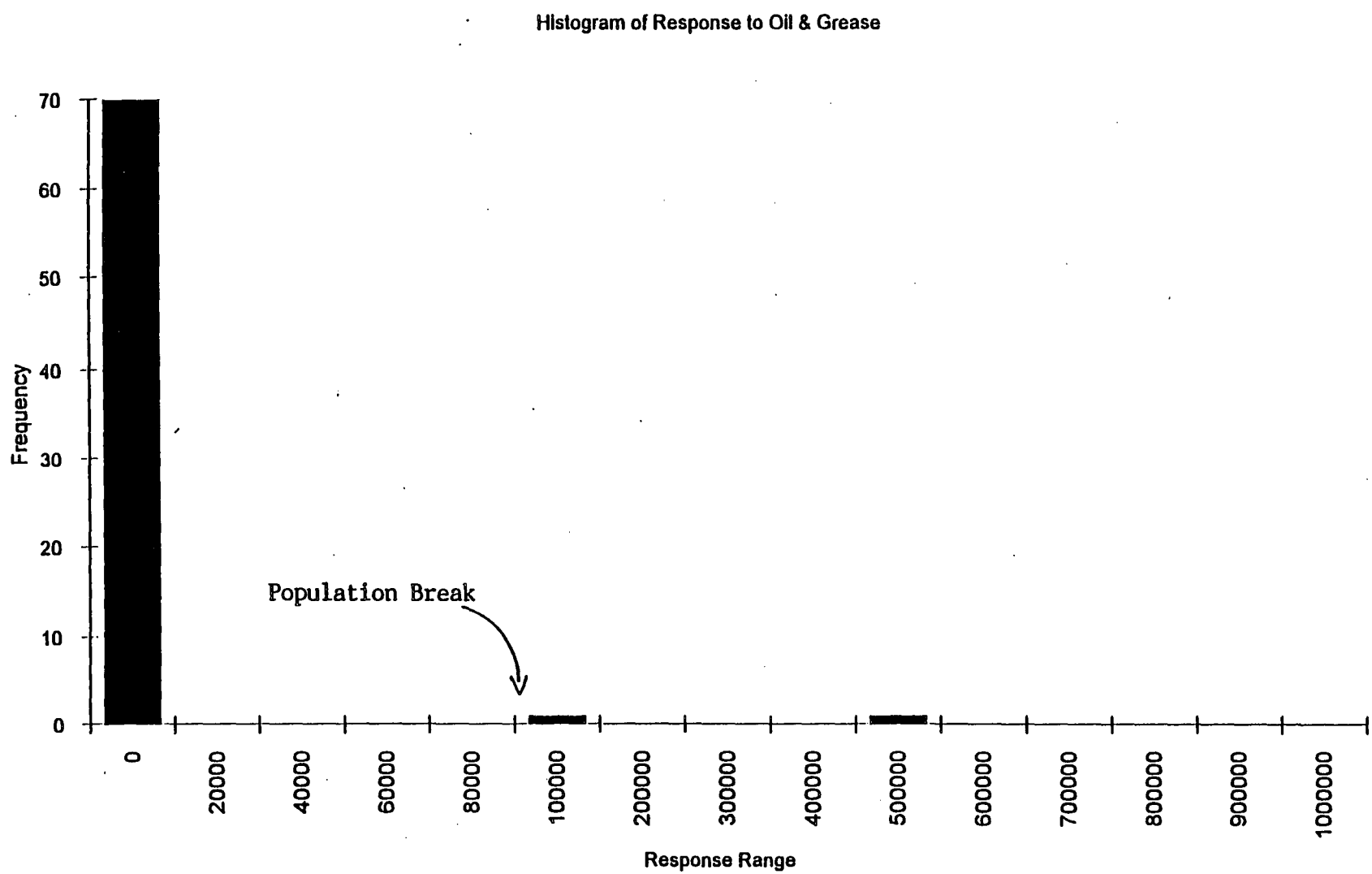
APPENDIX D
Histograms of Data Sets

Histogram of Response to Total Aromatics

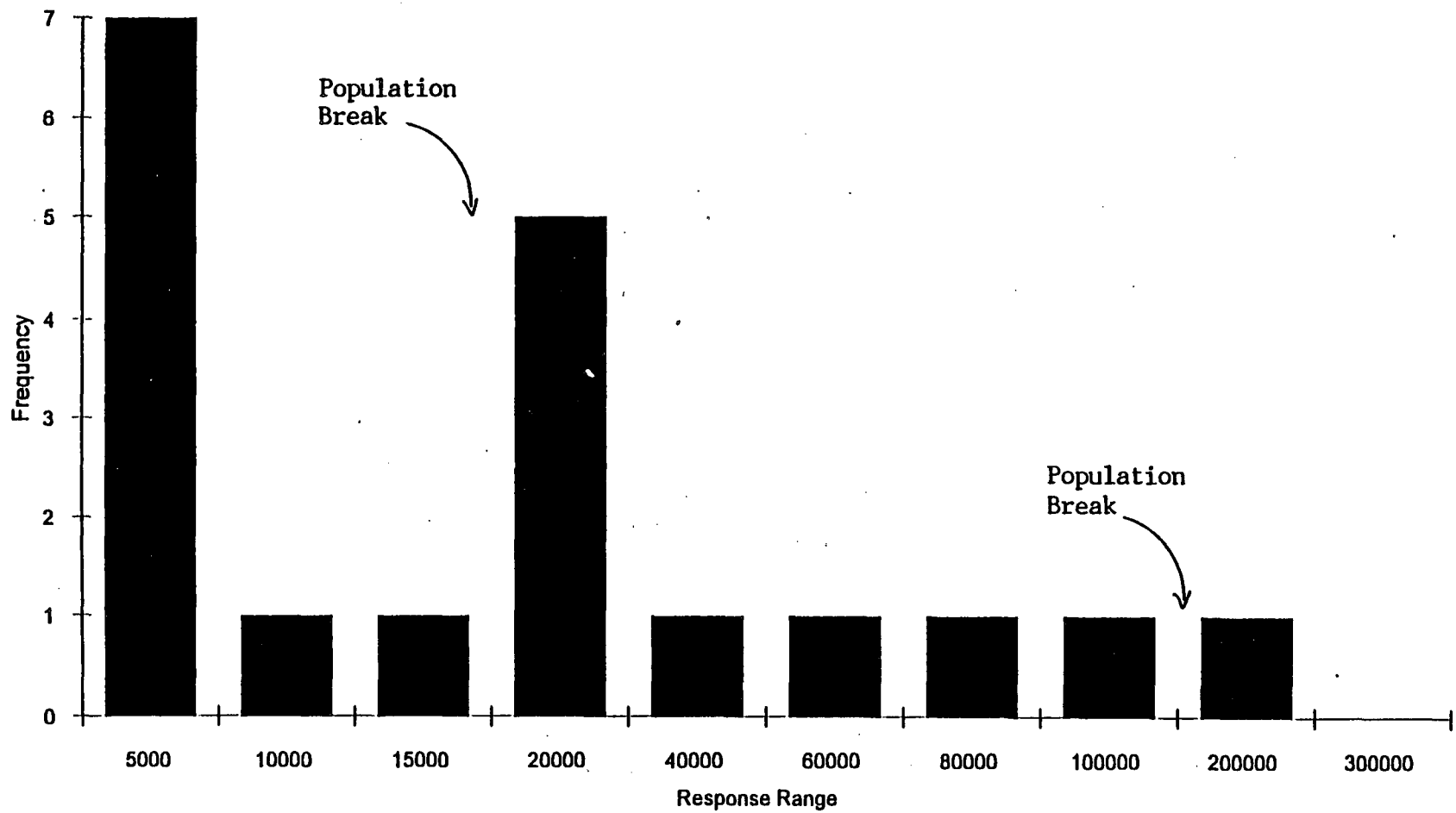


Histogram of Response to Total Semivolatiles




Histogram of Response to Oil & Grease
Frequency
70
60
50
40
30
20
10
0
Population Break
0
20000
40000
60000
80000
100000
200000
300000
400000
500000
600000
700000
800000
900000
1000000
Response Range

Histogram of Response to Total Halogenated Hydrocarbons



APPENDIX E
Sample Submittal and Chain of Custody Documents

NORTHEAST RESEARCH INSTITUTE, INC. (NERI)
SAMPLE SUBMITTAL CLIENT FORM

Please return this form with samples to:

NERI
605 Parfet Street
Suite 100
Lakewood, Colorado 80215

*** Call with any questions: (303) 238-0090 ***

NERI PROJECT NUMBER: 2114E

NERI PROJECT MANAGER: Paul Bedard

DATE SAMPLES SENT TO CLIENT: ~~7/18/94~~ PH 7/18/94 6/8/94

Please provide the following information:

DATE SAMPLES SENT TO NERI: 7/18/94

TOTAL NUMBER OF TUBES ENCLOSED: ~~7~~ 72 + 2 timers + 2 tr blanks.

GREATEST SAMPLE NUMBER: 205

MISSING SAMPLE NUMBERS: Ø-53, 86-165

NOTES:
Sample tube #168 broken on retrieval - wires placed in empty tube

Will fax or fedex map of Area 72 with numbered points shortly. Thanks, Jolette Minard

PETREX ENVIRONMENTAL SURVEY
Chain of Custody Document

Job Number 2114 (Please refer to this job number with all correspondence and shipments)

FIELD DATA:
Facility SNC

Location 4031 Colnel Glenn Hwy Suit 300
Beaver Creek OH. 45431-1600

Field Manager Tom Tank Phone 513-429-2699

PYMS LAB DATA:

Instrument

Operator

Phone

Sample Nos.

GC/MS LAB DATA:

SAMPLE DATA:

Number of Samples 336
Date Shipped to Field 6-7-94
Date Received in Field 6-8-94
Condition as Recd. in Field Good
Received By J. Minard
Date Shipped from Field 7/18/94 Total of 72 Samplers + 2 timers (Area 2
Date Received from Field
Conditions as Recd. in Lab Good

Number Received
Received By

SAMPLE TRANSFER DATA:

	Relinquished By:	Relinquished To:	Date:	Time:	Reason:
1.	JKD	J. Minard	6-8-94	1200	Sample Collection
2.	J. Minard	CAP/PCB	7-18-94	1600	Analysis
3.	Paul C[illegible]	CAB/R. [illegible]	7/18/94	10:40	Analysis
4.	[illegible]	Lab	2-18-94	11:00 AM	Lab
5.					
6.					

APPENDIX F
Field Log Sheets

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 2Ø1 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 (1000)	COC NUMBER	COMMENTS
22FØ1		172	06/28/94 0844	7/13/94 1Ø2Ø	ND	ND	NA	Bag # 8 Full
22FØ2		171	06/28/94 0841	7/13/94 1Ø23	ND	ND		Bag #8 Full
22FØ3		170	06/28/94 0834	7/13/94 1Ø16	ND	ND		Bag #8 Full
22FØ4		169	06/28/94 0830	7/13/94 1Ø13	ND	ND		Bag #8 Full
22FØ5		168	06/28/94 0824	7/13/94 1Ø2Ø	ND	ND		Bag # 8 Full, broken on retrieval
22FØ6		167	06/28/94 0811	7/13/94 1ØØ8	ND	ND		Bag # 8 Full
22FØ7		166	06/28/94 0755	7/13/94 1ØØ4	ND	ND		Bag # 8 Full
22FØ8		57	06/22/94 0802	7/7/94 14:18	ND	ND		Bag#3 Full; Rocky
22FØ9		56	06/22/94 0755	7/7/94 14:15	ND	ND		Bag #3 Full ≈16"
				JPH 8/18/94				
22GØ1		173	06/28/94 0850	7/13/94 1Ø23	ND	ND	NA	Bag # 8 Full
22GØ2		174	06/28/94 0855	7/13/94 1Ø26	ND	ND		Bag #8 Full
22GØ3		175	06/28/94 0859	7/13/94 1Ø29	ND	ND		Bag #8 Full
22GØ4		176	06/28/94 0904	7/13/94 1Ø3Ø	ND	ND		Bag #12 Full
22GØ5		179	06/28/94 1047	7/13/94 Ø83Ø	ND	ND		Bag #12 Full
22GØ6		54	06/22/94 0716	7/7/94 13:30	ND	ND		Bag #3 Full
22GØ7		180	06/28/94 1056	7/13/94 Ø945	ND	ND		Bag #12 Full
22GØ8		58	06/22/94 0809	7/7/94 14:21	ND	ND		Bag #3 Full

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 202 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
22GØ9		59	06/22/94 0814	7/7/94 14:24	ND	ND	NA	Bag #3 Full
22G06		54	06/22/94 0722	06/29/94 0848	ND	ND		Timer #1 Full
22G06		54	06/22/94 0724	7/7/94 13:31	ND	ND		Timer #2 Full
			JPH 8/18/94					
22HØ1		202	06/29/94 0820	7/13/94 0857	ND	ND	NA	Bag #10 Full
22HØ2		55	06/22/94 0733	7/7/94 13:40	ND	ND		Bag #3 Full
22HØ3		178	06/22/94 ~~0814~~ 0913	7/13/94 1035	ND	ND		Bag #12 Full
22HØ4		177	06/28/94 0908	7/13/94 1032	ND	ND		Bag #12 Full
22HØ5		183	06/28/94 1113	7/13/94 0844	ND	ND		Bag #12 Full
22HØ6		182	06/28/94 1107	7/13/94 0839	ND	ND		Bag #12 Full
22HØ7		181	06/28/94 1103	7/13/94 0840	ND	ND		Bag #12 Full
22HØ8		60	06/22/94 0819	7/7/94 14:35	ND	ND		Bag #3 Full
22HØ9		61	06/22/94 0824	7/7/94 14:39	ND	ND		Bag #3 Full
22H02		55	06/22/94 0734	06/29/94 0855	ND	ND		Timer #1 Full
22H02		55	06/22/94 0735	7/7/94 13:38	ND	ND		Timer #2 Full
			JPH 8/18/94					
22IØ1		203	06/29/94 0825	7/13/94 0920	ND	ND	NA	Bag #10 Full
22IØ2		199	06/29/94 0803	7/13/94 0854	ND	ND		Bag #12 Full
22IØ3		196	06/29/94 0743	7/13/94 0851	ND	ND		Bag #12 Full

22IØ3

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 2Ø3 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
22IØ4		193	06/29/94 0726	7/13/94 Ø848	ND	ND	NA	Bag #12 Full
22IØ5		190	06/29/94 0710	7/13/94 Ø846	ND	ND		Bag #12 Full
22IØ6		187	06/28/94 1148	7/13/94 Ø835	ND	ND		Bag #12 Full
22IØ7		184	06/28/94 1120	7/13/94 Ø838	ND	ND		Bag #12 Full
22IØ8		62	06/22/94 0831	7/7/94 14:55	ND	ND		Bag #3 Full
22IØ9		63	06/22/94 0836	7/7/94 15:55	ND	ND		Bag #3 Full
				JPH 8/18/94				
22JØ1		204	06/29/94 0830	7/13/94 Ø9Ø2	ND	ND	NA	Bag #10 Full
22JØ2		200	06/29/94 0808	7/13/94 Ø9Ø9	ND	ND		Bag #10 Full
22JØ3		197	06/29/94 0745	7/13/94 Ø918	ND	ND		Bag #12 Full
22JØ4		194	06/29/94 0729	7/13/94 Ø923	ND	ND		Bag #12 Full
22JØ5		191	06/29/94 0713	7/13/94 Ø94Ø	ND	ND		Bag #12 Full
22JØ6		188	06/28/94 1146	7/13/94 Ø938	ND	ND		Bag #12 Full
22JØ7		185	06/28/94 1125	7/13/94 Ø937	ND	ND		Bag #12 Full
22JØ8		64	06/22/94 0840	7-8-94 0848	ND	ND		Bag #3 Full
22JØ9		65	06/22/94 0849	7-8-94 Ø9Ø8	ND	ND		Bag #3 Full
			JPH 8/18/94					

SOIL GAS SURVEY (PETREX)

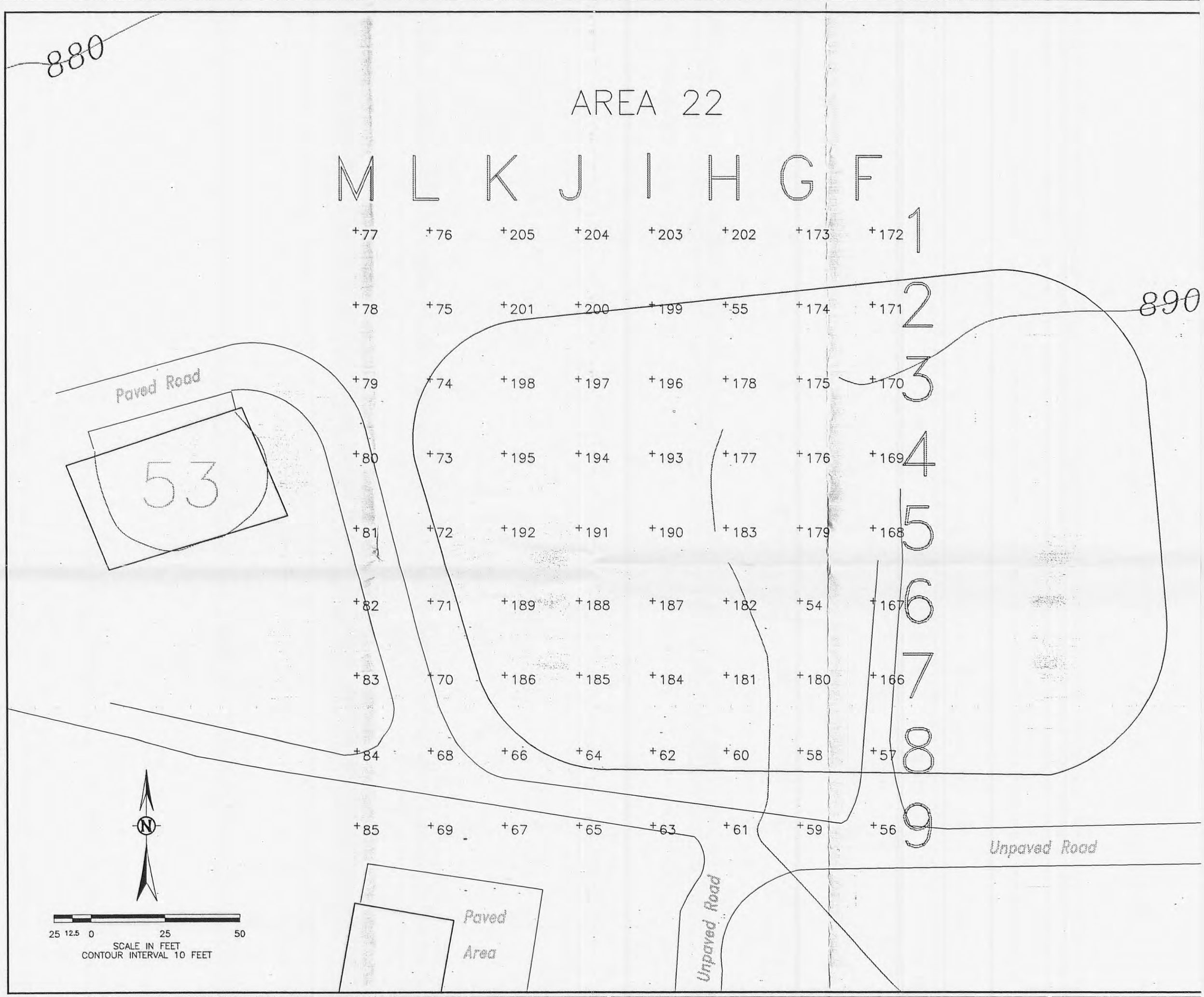
PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 2Ø4 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
		JPH 8/18/94						
22KØ1		205	Ø6/29/94 Ø835	7/13/94 Ø9Ø8	ND	ND	NA	Bag #10 Full
22KØ2		201	Ø6/29/94 Ø811	7/13/94 Ø913	ND	ND		Bag #10 Full
22KØ3		198	Ø6/29/94 Ø748	7/13/94 Ø915	ND	ND		Bag #12 Full
22KØ4		195	Ø6/29/94 Ø733	7/13/94 Ø926	ND	ND		Bag #12 Full
22KØ5		192	Ø6/29/94 Ø716	7/13/94 Ø929	ND	ND		Bag #12 Full
22KØ6		189	Ø6/28/94 1150	7/13/94 Ø932	ND	ND		Bag #12 Full
22KØ7.		186	Ø6/28/94 1130	7/13/94 Ø934	ND	ND		Bag #12 Full
22KØ8		66	Ø6/22/94 Ø856	7-8-94 Ø845	ND	ND		Bag #3 Full
22KØ9		67	Ø6/22/94 Ø905	7/11/94 Ø740	ND	ND		Bag #3 Full
			JPH 8/18/94					
22LØ1		76	Ø6/22/94 1049	7/8/94 Ø82Ø	ND	ND	NA	Bag #4 Full
22LØ2		75	Ø6/22/94 1008	7/8/94 Ø823	ND	ND		Bag #3 Full
22LØ3		74	Ø6/22/94 1002	7/11/94 Ø942	ND	ND		Bag #3 Full
22LØ4		73	Ø6/22/94 Ø956	7/8/94 Ø828	ND	ND		Bag #3 Full
22LØ5		72	Ø6/22/94 Ø948	7/8/94 Ø831	ND	ND		Bag #3 Full
22LØ6		71	Ø6/22/94 Ø943	7/8/94 Ø834	ND	ND		BAG #3 Full

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG-205 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 x (1000)	COC NUMBER	COMMENTS
22LØ7		70	06/22/94 0931	7/8/94 0838	ND	ND	NA	Bag #3 Full
22LØ8		68	06/22/94 0924	7/11/94 0817	ND	ND	↓	Bag #3 Full
22LØ9		69	06/22/94 0928	7/11/94 0835	ND	ND	↓	Bag #3 Full; under drums pt. moved 6'N
			JPH 8/18/94					
22MØ1		77	06/22/94 1057	7/8/94 0815	ND	ND	NA	Bag #4 Full
22MØ2		78	06/22/94 1111	7/11/94 12:43	ND	ND	↓	Bag #4 ~16"
22MØ3		79	06/22/94 1116	7/11/94 12:41	ND	ND	↓	Bag #4 Full
22MØ4		80	06/22/94 1123	7/11/94 12:37	ND	ND	↓	Bag #4 ~16"
22MØ5		81	06/22/94 1130	7/11/94 12:46	ND	ND	↓	Bag #4 Full
22MØ6		82	06/22/94 1138	7/11/94 12:53	ND	ND	↓	Bag #4 Full
22MØ7		83	06/22/94 1143	7/11/94 12:56	ND	ND	↓	Bag #4 Full
22MØ8		84	06/22/94 1145	7/11/94 13:15	ND	ND	↓	Bag #4 Full
22MØ9		85	06/22/94 1152	7/11/94 13:30	ND	ND	↓	Bag #4 Full; Pt. moved 5'W b/c of barrels.
			JPH 8/18/94					
21AØ1		130	06/27/94 0752	7/28/94 0948	ND	ND	NA	Bag #5 Full



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Lakewood, Colorado 80215
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Drawn By: JCS	Project #: 2114E	
Checked By:	Date: August 19, 1994	
Project Manager: PCB	File Name: AOC22_1.dwg	

AOC-22/Operable Unit-5

U.S.D.O.E. Mound Facility
Miamisburg, Ohio

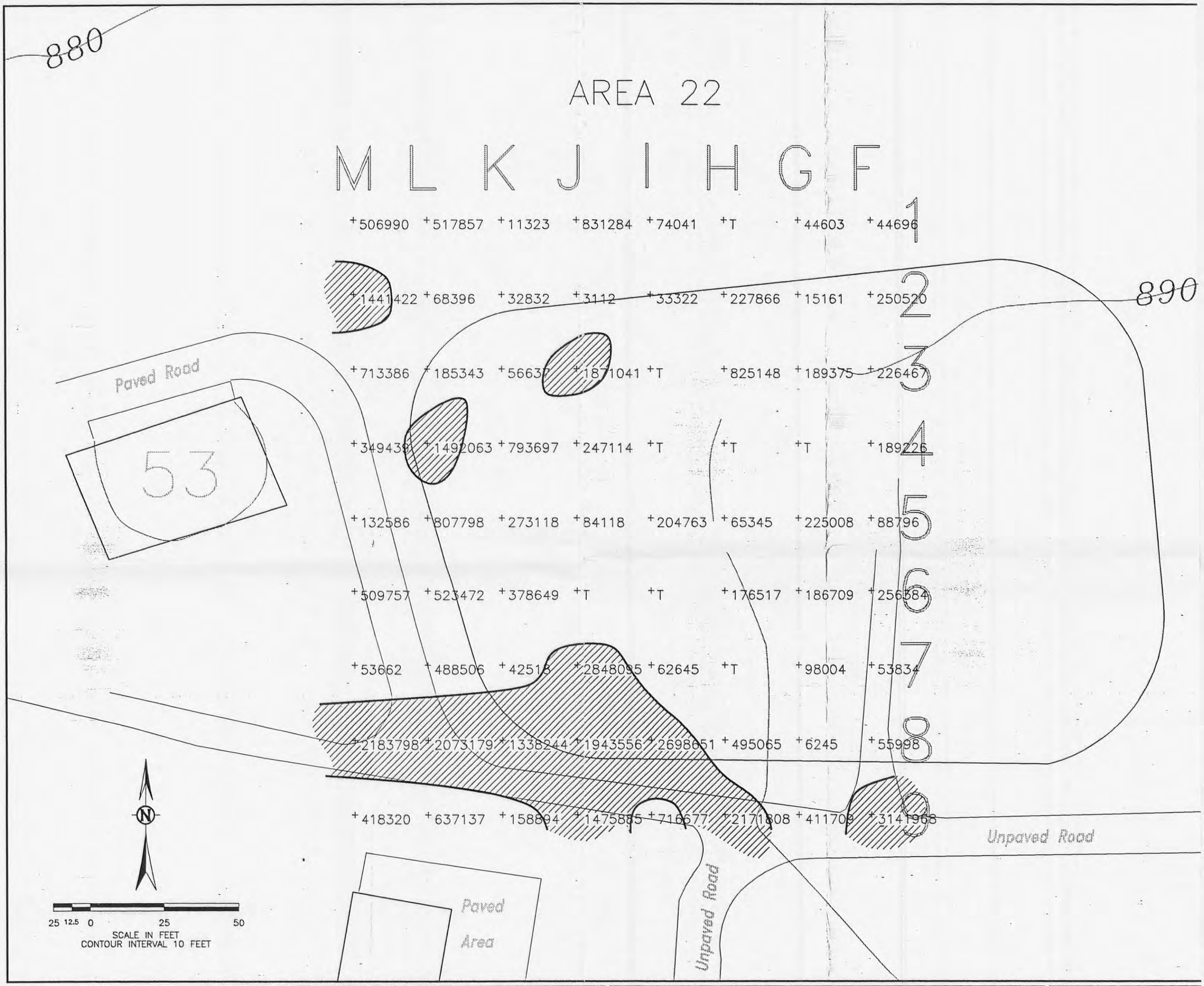
PETREX FINGERPRINT TECHNOLOGY®

LEGEND

Features:
+ PETREX Sample Location

Sample Locatio

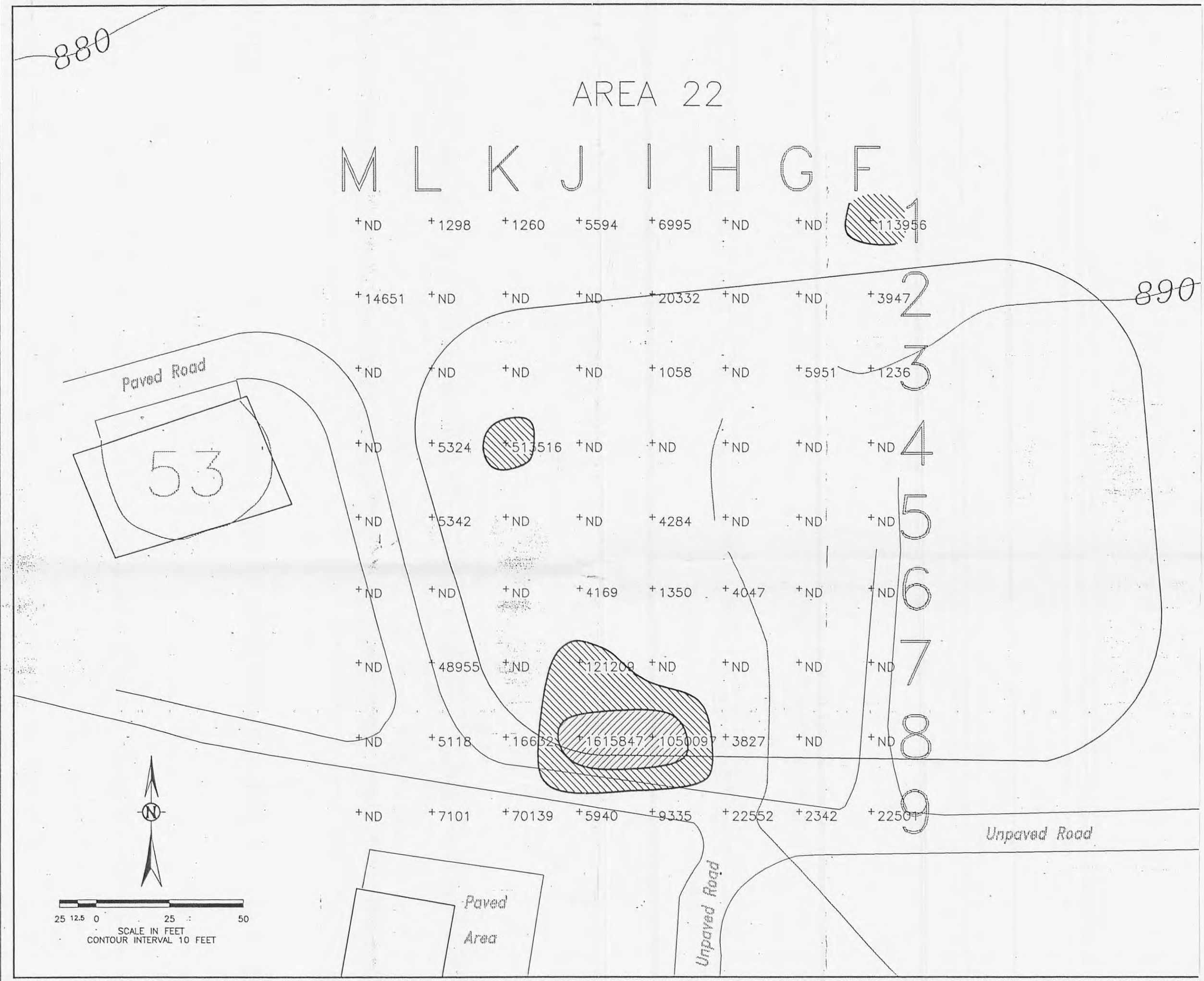
Plate 1



Provided by: Northeast Research Institute LLC 605 Parfet Street Suite 100 Lakewood, Colorado 80215 (303) 238-0090	Drawn By: JCS Checked By: Project Manager: PCB	Project #: 2114E Date: August 19, 1994 File Name: AOC22_2.dwg	AOC-22/Operable Unit-5 U.S.D.O.E. Mound Facility Miamisburg, Ohio PETREX FINGERPRINT TECHNOLOGY®	LEGEND Relative Response Values: ≥ 1,000,000 Features: + PETREX Sample Location; T Denotes interference by terpenes; see text.

Relative Response
Total Aromati
Hydrocarbons

Plate 2



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Drawn By: JCS	Project #: 2114E
Checked By:	Date: August 19, 1994
Project Manager: PCB	File Name: AOC22_3.dwg

AOC-22/Operable Unit-5

U.S.D.O.E. Mound Facility
Miamisburg, Ohio

PETREX FINGERPRINT TECHNOLOGY®

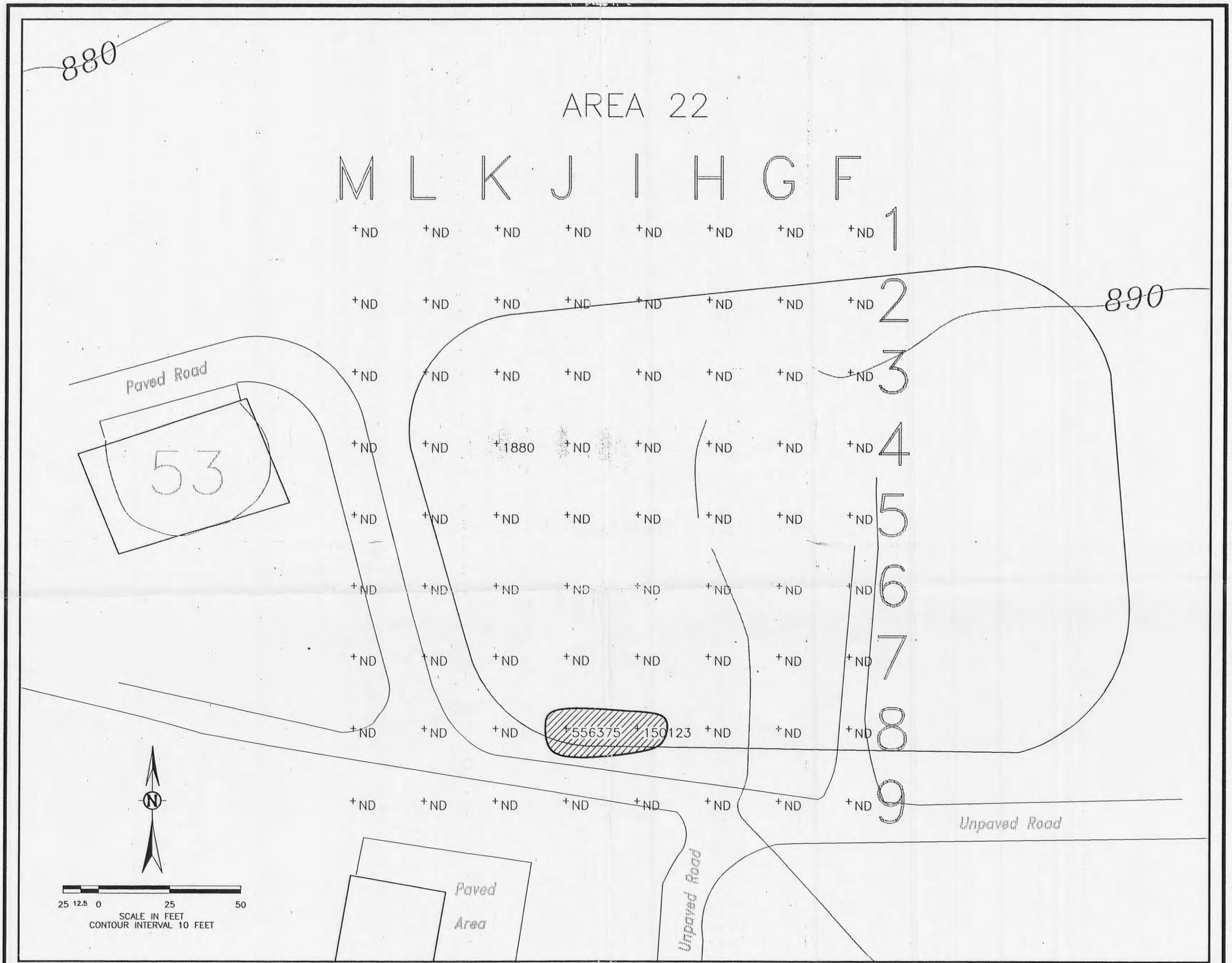
LEGEND

Relative Response Values:
≥ 1,000,000
100,000 – 999,999

Features:
+ PETREX Sample Location
ND Not Detected

Relative Response
Total Semivolat Hydrocarbons

Plate 3



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Drawn By: JCS	Project #: 2114E
Checked By:	Date: August 19, 1994
Project Manager: PCB	File Name: AOC22_4.dwg

AOC-22/Operable Unit-5

U.S.D.O.E. Mound Facility
Miamisburg, Ohio

PETREX FINGERPRINT TECHNOLOGY®

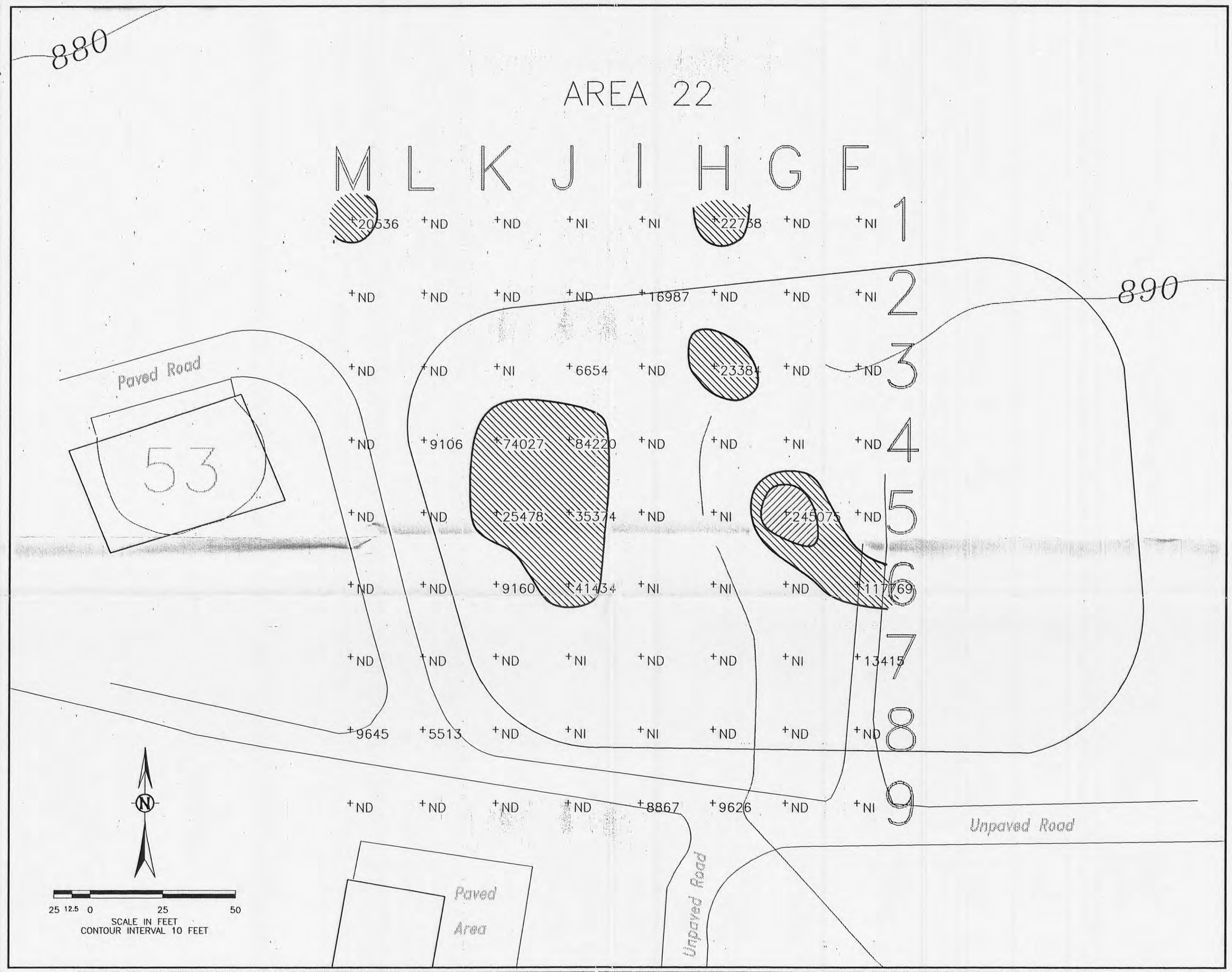
LEGEND

Relative Response Values:
≥ 100,000

Features:
+ PETREX Sample Location
ND Not Detected

Relative Response
Total Oil & Grease Range Hydrocarbons

Plate 4



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Checked By:	Date: August 19, 1994
Project Manager: PCB	File Name: AOC22_5.dwg

AOC-22/Operable Unit-5

U.S.D.O.E. Mound Facility
Miamisburg, Ohio

PETREX FINGERPRINT TECHNOLOGY®

LEGEND

Relative Response Values:
≥ 200,000
20,000 – 199,999

Features:
+ PETREX Sample Location
ND Not Detected
NI Not Identified

Relative Response
Total Halogenated Hydrocarbons

Plate 5