EG&G MOUND-25-02-10-02--9510100030

Environmental Restoration Program

OPERABLE UNIT 5
OPERATIONAL AREA PHASE I INVESTIGATION
AREA 3 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

NOTE: VOL. II
Several Tables
Survey pages
missing when rec'd.
KS

APPENDIX A

FIELD LOGBOOKS

A.1 SITE MANAGER LOGBOOK

A.2 FIDLER LOGBOOK

A.3 SOIL GAS LOGBOOK

PLATE 1

APPENDIX A.1

SITE MANAGER LOGBOOK

EG & G MOUND

OU5

SITE MANAGER LOGBOOK

OPS AREA PHASE I

NEW PROP EXTND PHASE

Russ Tussings 4800 3400

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	"	"

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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	Task Team Activity Sheet; 8/15/94
69	" ; "	99	" ; 8/16/94
70	" ; 7/15/94	100	" ; 8/17/94
71	" ; 7/18/94	101	" ; 8/18/94
72	" ; "	102	" ; 8/22/94
73	" ; 7/19/94	103	" ; 8/23/94
74	" ; "	104	" ; 8/24/94
75	" ; 7/20/94	105	" ; 8/25/94
76	" ; "	106	Task Team Activity Sheet; 8/29/94
77	NEW PROP. GEOTECH. SAMPLE SUMMARY	107	" ; 8/30/94
78	"	108	" ; 8/31/94
79	"	109	" ; 9/1/94
80	NEW PROP DRILLING - MULTIPLE HOLE SUMMARY	110	" ; 9/6/94
81	Task Team Activity Sheet; 7/21/94	111	" ; 9/7/94
82	" ; 7/22/94	112	" ; 9/8/94
83	" ; 7/25/94	113	" ; 9/12/94
84	" ; "	114	" ; 9/13/94
85	" ; "	115	Task Team Activity Sheet 9/14/94
86	" ; 7/26/94	116	
87	" ; "	117	
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89	" ; 7/28/94	119	
90	" ; 8/1/94	120	

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TABLE OF CONTENTS: SITE MANAGER LOGBOOK

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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	
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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	
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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	
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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	SIMAN, WEISS, DENNIPLES
ERIC SAYLOR	SAIC	ART TURPIN	
EVELYN MEAGHER	SAIC	JEFF KUNKA	
		JOHN HALEY	

Narrative (include time and location):

@ Mound Point 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 Point 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 Point 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.

1700 Last entry

Daily Weather Conditions: A.M. cool, clear, sl. breezy, 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 LOGBO P. 2

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 tank then west off the hill. Prep equipment. build weedwa

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 from 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

P. 3

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)	BERNARD KIENOW	(SWD)
ERIC SAYLOR	↓	ANT TURPIN	↓
EVELYN MEALHER		JEFF KUNKA	

Narrative (include time and location):

on site @ 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 site doing paperwork.

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

1200 Break for lunch

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

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

1800 Back @ site (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. Gisler 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 @ t/r. 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 off site @ 1630

1800 Back to t/r (ES, SM). EOD

LAST ENTRY

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

P.M. Sunny, warming to 60°F

Recorded By [signature] QA Checked By Laura M. Monson 8/13/94

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	BERNHARD KIENOW	SWD
ERIC SAYLOR	↓	ART TURPIN	↓
EVELYN MEACHER		JEFF KUNKA	

Narrative (include time and location):

0700 @ t/r. Conduct Tailgate Meeting. Discuss days work orders. JD works on SWW maintenance.
Note: J. Geisler on site @ 0800. Updates her map. JD tells her about HP mtg yesterday - she concurs.

0800 @ site. Work in main mound area J cleaning 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 around 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. Some 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 MEACHAM		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 Bunker el

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 Shannon 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. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.7

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

Date (mm/dd/yy): 5/23/94 MON TIME: 0700 PAGE 1 OF 2

Task Team Members:

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

Narrative (include time and location):

0700 @ trailer. Prep equipment.

0730 give orientation to SK, BR, CH. Do Trailgak 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 15 W. 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

SITE MANAGER LOGBC 2.8

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
Evelyn Meagher Hartzell
Sharon Kriedemeyer

Brad Richardson SAIC
Chris Halley
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

SITE MANAGER LOGBOOK 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 KREITENMEYER	↓
CHRIS HAUFY	↓	BERNARD KICNOW	SWD
		ART TURPIN	↓
		JEFF KUNICA	

Narrative (include time and location):

0700 w/ tlr. Prep for days activities. Tuna 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 agrees to stake KG borings in A7 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 B-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
Chris Halley
Evelyn Meagher-Hartzell
Sharon Krietemeyer

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 — EVELYN MEATHER

BRAD RICHARDSON — SHARON KAUFFMEYER

CHRIS HALLEY

Narrative (include time and location):

0700 @ H/R. Surveyors not here today. Conduct Tailgate Briefing. Assign work; BR & CH to A21, 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 ~~stop~~ 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~~ EMH 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

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: N/A PAGE 2 OF 2

Task Team Members:

N/A

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 KREITMEYER	SAIC
CHRIS HALLEY	↓	BERNARD KICNOLI	SWD
EVELYN MEACHER	↓	ART TURPIN	↓
		JEFF KUNKA	↓

Narrative (include time and location):

0700 @ trailer. Conduct Tailgate mtg. 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 were 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 76°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	SMC	SHARON KREITEMEYER	SMC
EVELYN MEACHER	↓	BRAD RICHARDSON	↓
CHRIS HALLEY			

Narrative (include time and location):

0700 @ HR. 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 red 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.

~~0930~~ 1430 ~~AK~~ EM slipped on steep hill. AK 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 AK on her cornea AK but ~~had not~~ AK 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 [signature] QA Checked By [signature]

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. [illegible]

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:

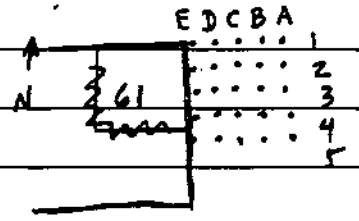
JOHN DAVIS
SHARON KLIETEMEYER
BRAD RICHARDSON
CLARIS HALLEY

Narrative (include time and location):

0700 @ t/c. 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 & Alma 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'x100' 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 14 N + staked 14N 7W to 14N 13N.

Chopped a little on line 10 N.

1630 SK off site

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Marlen 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 HALLEY

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. Spesard 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 Wed 1 Thurs - 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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

P.20

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.

1700 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 — SITE MANAGER LOGBOOK 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 1430

LMT ENTRY

BRR 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 J. (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 [signature]

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, Bowser-Morner Crew
Chris Halley, Martha Cramer, Joetta Humpert
John Davis, Mike Monroe

Narrative (include time and location):

0730 ES, SH + JD on site.

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

0930: dozer operator to New Prop via Benner 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 of interest:

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

TASK TEAM ACTIVITY LOG SHEET

P.24

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 quits @ 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. Spesmad; - excavate as necessary on perimeter road w. of 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 crew to Rentze place for hammer and generator (hammer too small), crew to Meijers for misc, and drivers 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. Mowen 8/15/94

TASK TEAM ACTIVITY LOG SHEET

P.25

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 HUMPHRY, MARK HOWARD (JTD 6/14/94), MIKE KLIDJECE, ERIC SAYLOR (HSA), MIKE MONROE, SUSAN ~~AUSTIN~~ ABSTON, MARTHA CRAMER (CABLE TOOL), BOWSER-MORNER CREW

Narrative (include time and location): JTD 8/15/94

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 binder & 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 JTD QA Checked By Laura M. Morner 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: N/A 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 working 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

SITE MANAGER LOGBOOK 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. Tank; 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 Crews 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. Monnier 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 JOLETTA HUMPERT
JEFF DEVAUGHN
SUSAN ABSTON MARTY CRAMER (CABLE TOOL)
MIKE KLIDJECZ EVELYN MEAGHER (HSA)
MIKE MONROE MARK HOWARD (SC)
BOWSER - MORNER CREW

Narrative (include time and location):

0700 All personnel w/ tlr. Conduct HTS 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 Meagher onsite

Cable tool on standby waiting on IDM drums. They've been produced but not bar coded.
1000 JD w/ HSA. Crew purging water for scan 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

SITE MANAGER LOGBOOK 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 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 Bockmier, A7 RLS will not be available on Mon because Security not avail to support alternating 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. Morrison 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 JOLETHA MINARD
MARK HOWARD MIKE MONROE (SG)
MIKE KLIDJECZ, ERIC SAYLOR (HSA)
CHRIS HAWKEY, JEFF DEVAUGHAN (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. Spessard, he approved a verbal change order to use a screen without a packer to collect grab water samples in soil borings.

1330 Meet T. Tarok, B. Stanley, A. Spessard 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:~~ Inspection. 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

SITE MANAGER: P.3

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

TASK NO:

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 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. Morris 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 H&S 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 H2
Broadway barricade delivers flashing highway 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. Geisler 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
EOD 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 P34
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 MUMPERT ERIC SAYLOR GREG LODER JEFF DEVAUGN (A7 HSA)
MARK MONROE, MIKE HOWARD (SG) 6/21/94 SUSAN ABSTON MARTHA CRAMER (CABLE TOOL)
MIKE KLUDJECE EVELYN MEALHER (NP HSA) SALLY BROWN CRAIG PATTERSON (FIDLER)

Narrative (include time and location):

0730 all personnel @ 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 @ 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 @ A7BZ, 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.

@ 1400 JD @ Bldg 91 to pick up IDM barrels but none available.

1545 Call to Sandy Geibel - I. Hygiene:
- wants opinion on level D clothing. "Street" clothes OK but shouldnt 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:

NA

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. Pochoni & 3N, 4N completed

SOIL GAS: Good progress

(MT 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.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 Taylor Greg Loden Jeff Donaughue (OAHSA) Susan Alston Martha Cramer (Cable tool) Mark Howard Mike Monroe (SL) Mike Klidzejs Evelyn Meagher (NPHSA) Craig Patterson Sally Brown (FIDLER)

Narrative (include time and location):

0715 All personnel on site. Low on OVM - 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 IDW drums. Find K. McMahan. Load up 8 used (empty) Weston barrels in Bldg 91. Deliver to Rigs.

Cable tool continues drilling on W358. NPHSA set up on B105. OAHSA set up on B4.

Disc. w/ T. Trask. 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. Trask for B16 (A7). only rad spls need to be collected. Wants a Soil Screening Facility spl ≐ 2'.
- Drill rig crew notices that B16 as 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 Joanna 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 drilling.

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 it. move. No utility lines encountered.

- CALL for Dan Garrison Mound Safety. JD asked to make postings for exclusion zone. DG says coveralls (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 for K. McMahon. A7B16 on hold. Re broken Fidler - suggested switching cables. Also said high heat can affect readings.
- G. Loden 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. Monsion 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK 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 P.39

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 MEASHER GREG LODER JEFF DEVUYSN (OAHSA)
MIKE KLIDZEJS, ERIC SAYLOR (NPHSA) MARK HOWARD MIKE MONROE (SG)
SUSAN ABSTON, MARTIN 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) @ Hq. BS will be JG replacement next week. Discuss misc. items. Agree to drill A7B8, A7B9 on Mon.
- Call to Gene Wolfe Bowen-Morrow. GW agrees to drill W400 w/ cable tool @ nuclear 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 lightning

Recorded By: [signature] QA Checked By: Laura M. Morrison 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 WAKING geotech shelby tubes sample them. 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 of 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 requested all sampling

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.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, GARY LODER, JEFF DEVGUPTA (ATHS), MIKE KLIDZEJS, ERIC SAYLOR (NPHSA), MARK HOWARD, MIKE MONROE (SC), SUSAN ABSTON, MARTHA CRAMER (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 1st 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 ~~Wed~~ 6/27 Thurs. Needs copy of OU5 SAP. Call Will Kegley 615-481-8738

1000 @ Cable tool Rig. Rig cant 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 @ A7HSA 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. Marsan 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.43

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 intensive probe

1330 @ NP HSA B406. Current depth is 60'. No water encountered. Poss bedrock. Refusal @ 60' - without shale? Trying to auger through it. Last spl collected @ 45'. Question is what is total depth in this situation? Auger refusal @ 63'. Decide this is bedrock. Last soil sample @ 45' which is 20' above bedrock. This spl collected based on damp core but hole didn't 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. Cramer 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 — SITE MANAGER LOGBOOK 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' - CRSE GRAVEL, NO FINES.

1600 per Bill Stott; per Kathy Kaylor, OK to deliver t/e onsite. JD Mulh truckdriver, 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 GAS: good progress
GEOPHYSC.: CONTINUE EM 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.45

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

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 (A7HSA)
MIKE KLIDZETS ERIC SAYLOR (NPHSA) MARK HOWARD MIKE MONROE (SG)
SUSAN ABSTON MARTHA CRAMER (CARLE) SALLY BROWN CRAIG PATTERSON (FIDLER)
PAUL PARRISH DAVE CUMMINGS (GEOPHYS)

Narrative (include time and location):

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

Per T. Tank. "Delete" Field Change OS-NP-005 re location of B409. Wants 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 log 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. Spesard.

0930 @ A7B3 w/ K. McNaghan & 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 LOGE P-46

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

TASK NO: 3489

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

Task Team Members:

NA

Narrative (include time and location):

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

- Then to B409. Moving back to orig. location. Run to B400. Anticipate 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 fm A. Berry. He's 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 P.47

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:

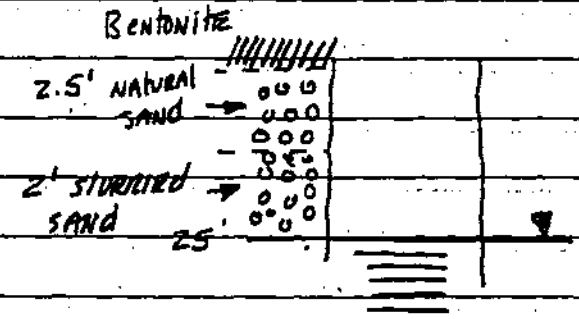
NA

Narrative (include time and location):

Drill new well in SDZ first - midafternoon tomorrow.

1630 Call fm S. Abston. While setting the well @ B400, about 2½ 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, Gary Loder, Jeff DeVaugn (A7KSA), Susan Ashton, Martha Cerrone (CASLE), Mike Klidzejz, Eric Saylor (NPKRA), Sally Brown, Craig Patterson (ADLER), Mark Howard, Mike Monroe (36), 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 service of the 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 hit 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 on site. Decide to grout and abandon due to exceeding LEL Action Levels.

Kip Weaver (Mound Drawings) planning a trench yard @ 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 decontaminated. 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 allright with it.

1200 Call for T. Tank. Informed me that we shouldn't have put in soil gas sampling in A21 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. Activity 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. McMahon 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. McMahon to avoid overhands.

- All A7 boring cleared except B15.

EOD Summary

A7 B16: TDID = 12' K. McMahon 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 Hampton George Wahl Greg Lodge Jeff DeVaughn (A7HSA)
Mike Klidzeja Eric Saylor (NPHSA) Sally Brown Craig Patterson (FIDLER)
Susan Alston Martha Cramer (NPCABLE) Mark Howard Mike Monroe (SG)
Paul Parrish ~~Dave Cummings~~ (GEOPH)
TMD 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. TMD 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 /Ast 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, were shut down on B16, at least for today. Respirator fits may be required.
Rig and barricade must be offsite by EOD w/ manhole.
IDMs must be marked radioactive. IDMs must be moved.

1440 Mtg w/ A. Bray, A. Spreand, T. Tank @ OSE Bldg.
- July 20 issue NPPI FR
- Poss. needed of areas.
- Add ≐ 4 soil gas around fuel tanks – A. Bray/Spreand 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 can 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. Klidzeja 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 CRAIG PATTERSON SALLY BROWN (FIDLER)
GREG LODER JEFF DEVAUGN (AZHSA) CHRIS HALLEY, ERIC SNYDER GEORGE (WAHI
SUSAN ABSTON MARTHA CRAMER (CABLE) (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 Schanie onsite for SAIC QA surveillance.
• M&TE QAAP 12.1 - not necessary. QAAP's are guidelines. QMP/P 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: Drilling helpers for Cable tool sick today. Decide to start well development.

1000 to A7 B13 w/ G. Schanie to observe operations.
1030 to Bldg 61 w/ G. Schanie to observe FIDLER
1130 to NON-AOC w/ G. Schanie 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 P.55

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. Cannon; 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 transition 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 pumping.

1515 Call from G. Loder as WS JMD 7/5/94 B13. 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 LOGBOO
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
Greg Loder Jeff DeVausen (AZHSA)
Susan Abston Martha Cramer (CABLE)
Ron Smith Juan Alvarez (SEEP)
Chris Halley Eric Taylor (SEO)
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 acid cyanide for Chlorine & sulfides.
- FC for temp blanks in the 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. Morman
8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

P.57

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 line out & 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. Loder reports TDID = 62. Water encountered @ 59. Per A. Berry, do not collect a water spl as 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 Cremer (CABLE), Greg Locker, Jeff DeVausen (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 main street lites.

0900 Complete LOTO. Cable tool streets on B410

0945 G. Locker reports that B13 is completed. TD @ 70' @ bedrock.

0900 T. Trask on site. Discuss schedule.

1100 Call T. Pedro leave mss. for FRI access

D. Sink, D. Work, J. Heger : B-M

G. Locker, J. DeVausen, J. Davis, J. Minard, J. Alvarez : SAIC

1030 G. Locker reports B13 completed @ 70.0 bedrock

1430 @ OSE Bldg for mtg w/ T. Trask, A. Spillmann, A. Barry, K. McMahan

- B-M off site 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. Cart 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:

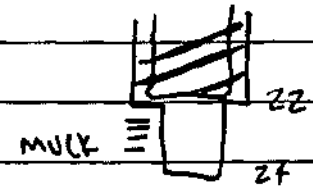
NA

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 B410. Skelter 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.

1930 All personnel off site.

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.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

CHRIS LODER JEFF DEVAUGN (HSA A7)

JUAN ALVARADO

Narrative (include time and location):

0700 ONSITE. HSA CREW @ B14. LEL FROM yesterday (and OVA) has dissipated. Continue drilling.

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

Spend rest of day purging well & collecting water spl. No pump available.

- Stake several more sed spls points in Ops area
- Complete the 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 HUMPERT MIKE MONROE GEORGE WAHL (SC)
GREG LODER JEFF DEVRIEND (AZTECH) JUAN ALVARADO TONYA PGAH (SEEP)
SUSAN ABITBOL MARTIN CRAMER (CABLE) CRAIG PATTERSON SANDY BROWN (FIDELITY)

Narrative (include time and location):

0700 all personnel on site
0730 Meet J. Davis & S.C. Patterson for LOTO. Go to Bldg 50, run deep wells
0800 LOTO completed. To B14. LEL has dissipated over weekend. Continue drlg.
- FINISH staking sed sply 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' THD 7-11-94 Will set screen 29-39 tomorrow. Lowering mast for LOTO.
1535 @ B14. TDTD = 74ft. No bedrock. In clean w-sorted River gravel.
1615 @ Bldg 102 for LOTO. Guard 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. Marion 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' WTE @ 30.95. CASING IN hole

A7 HSA: still on B14. TDTD = 76.0

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

SEDS: Good progress. Will complete tomorrow.

S6: 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 Humpert, Mike Monroe, George Wight (SG), Gary Loder, Eric Saylor (AT HSA), Sally Brown, Carol 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 sprs 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. Beaty 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 (FIDCER)
Greg Loder Eric Taylor (A7 HSA)
Mike Monroe George Wahl (SG)
Susan Abston Martha Cramer (CAPE)
Juan Alvarado

Narrative (include time and location):

0700 all personnel on site.

0830 Complete B14, TD @ 114.0 hyper 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'Donnhue. He will arrange HP coverage (Henry Robinson) and SSF support for 7/15, A7 drilling.

0915 Chris Holley onsite to replace Sally Brown on FIDCER

1000 Stake bldg PH holes w/ K. McMahon. 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. McMahon. 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 AM.

Recorded By [signature] QA Checked By Laura M. Monroe 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 397. Slow recharge.

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

Difficulty grouting - holes run out of grout due to washouts from heavier 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. Morrison 8/15/94

TAILGATE SAFETY MEETING LOG FORM SITE MANAGER LOGBOOK P. 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: 08:00

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 Saylor		
Colby Meffert		
Bethard Bunch		
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)

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

JOHN H. DAVIS

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

P.2A3

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 clearing PPE when clearing.

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)

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

Terri Davis

SITE HEALTH & SAFETY OFFICER

TASK TEAM ACTIVITY LOG SHEET

P.67

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

Date (mm/dd/yy): 7-14-94 THURS TIME: 07:00 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS JOLETHA HUMPERT GREG LODER ERIC SAYLOR (HSA)
MIKE MONROE GEORGE WAHL (SG) SUSAN ABSTON MARTHA CRAMER (CASTE)
SALLY BROWN CRAIG PATTERSON (FIDLER)

Narrative (include time and location):

0700 All personnel on site. Conduct H&S Briefing.
Scan trash bags from drill rigs w/ FIDLER and OVA.
No detects on either so throw in dumpster.

0830 @ HSA @ A7, B8. Drilling nicely but poor recovery; in clay; @ about 8'.
- Then to Bldg 19 and pick up 6 poly 10M water drums for well develop.

0900 call for K. McMahon. Need 1 training set for tomorrow!

0930 call K. McMahon. Give him names for training: Also S. Willis for ACCESS:
J. DAVIS, S. Abston, M. Cramer (SAIC)
DENNIS SINK D. Work (B-M)

depth @ 12'. high OVA (pegged) downhole. 35ppm a foot above casing. 0ppm in BZ. Neg. on charcoal tubes.
- D. Sink wants to send rig to yard on Fri to fix leaking hydraulic line.

NOTE: due to muddy conditions (inaccessible) to W397, Martha and Susan are developing 8400.

Daily Weather Conditions: A.M. overcast, sl. drizzle, humid, 80°F
P.M. clearing some and warmer.

Recorded By [signature] QA Checked By Laura M Morrison 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 397. Slow recovery.

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. Morrison 8/15/94

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

P. 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 Sayler		
Chris Mc[illegible]		
Bet[illegible]		
Art Tu[illegible]		
Jeff Tu[illegible]		

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: 3486

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 P.2A3

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)

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

John Davis

SITE HEALTH & SAFETY OFFICER

TASK TEAM ACTIVITY LOG SHEET

P.67

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

Date (mm/dd/yy): 7-14-94 THURS TIME: 07:00 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS JOLETHA HUMPERT GREG LODER ERIC SAYLOR (HSA)
MIKE MONROE GEORGE WAHL (SG) SUSAN ABSTON MARTHA CRAMER (SAIC)
SALLY BROWN CRAIG PATTERSON (FIDLER)

Narrative (include time and location):

0700 All personnel on site. Conduct HAS Briefing.
Scan trash bags from drill rigs w/ FIDLER and OVA.
No detects on either so throw in dumpster.

0830 @ HSA @ A7, B8. Drilling nicely but poor recovery; in clay;
@ about 8'.
- Then to Bldg 19 and pick up 6 poly 10M water drums for
well develop.

0900 call for K. McMahon. Rad 1 training set for tomorrow

0930 call K. McMahon. Give him names for training: Also S. Willis for ACCESS:
J. DAVIS, S. ABSTON, M. CRAMER (SAIC)
DENNIS SINK D. WORK (B-M)

depth @ 12'. high OVA (pegged) downhole. 35ppm a foot
above casing. 0ppm in BZ. Neg. on draeger tubes.
- D. SINK wants to send rig to yard on Fri to fix leaking hydraulic line.

NOTE: due to muddy conditions (inaccessible) to W397, Martha and
Susan are developing B400.

Daily Weather Conditions: A.M. overcast, sl. drizzle, humid, 80°F
P.M. clearing some and warmer.

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

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 68

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

TASK NO: 34896

Date (mm/dd/yy): 7/14/94 TIME: NA : _____ PAGE 2 OF 3

Task Team Members:

NA

Narrative (include time and location):

0945: Call from A. Meyer. Requirement for soil pH is analysis w/i 48 hrs but Singleton didn't do it because pH wasn't in their SOW. Amy wanted to know if we could recollect. I said NO because samples came from depth and holes are grouted.

1030 Call fm. G. Coden; @ B8, @ 14 ft, OVA and LEL pegged. Decide to let hole sit over lunch to dissipate.

1230 @ B8. G. Coden report that after lunch, LEL was still high so added water to oxygen; to groundsurface (approx 10 gal), drove A spoon, and LEL dropped below action level.

Note: re OVA hit @ 16': 120 ppm w/o methane probe, 85 ppm w/ probe = 35 ppm non-methane volatiles. Neg. benzene & vinyl chloride on dreager tubes

1330 Spoon refusal @ 26' on B8. Will move to B9 next

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.69

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

Date (mm/dd/yy): 7/14/94 TIME: NA PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

1430 @ OSE for mtg w/ A. Spesard, T. Tank, K. McMahan, A. Berry.

- Discussion of Level D. What should we be wearing? Need to call SAIC Corporate. A. Spesard says disregard D. Garrison and S. Gribel. SAIC can wear coveralls if we want but not that Mound is forcing us to wear them. Disregard above paragraph. Continue wearing coveralls in AF. per A. Spesard. Get copies of 3-dy supervised hrng for field staff.
- NPPI FR due 7/27. Get a copy.
- If we drill a boring 30-40' below water table, grab a water sample. 100 ml.

S. Alston & M. Creamer develop, purge & sample B400.
Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGB
P.70

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

TASK NO: 34896

Date (mm/dd/yy): 7/15/94 FRI TIME: 0900 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	SAIC	DENNIS SINK	BOWER MORRIS
SUSAN ABSTON	↓	DWIGHT WACK	↓
MARTHA CRAMER			

Narrative (include time and location):

@ OSE bldg @ 0900; J. DAVIS, S. ABSTON, M. CRAMER, D. WACK, D. SINK for Red Weather II TRAINING

CAST 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. 71

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

Date (mm/dd/yy): 7/18/94 MON TIME: 07 00 PAGE 1 OF 2

Task Team Members:

G. Loder, G. Wahl (AZHSA)
S. Abston, M. Cramer (CAHE)
J. Alvarado, C. Hailey (SG)
C. Patterson (FIDUCE)
J. Davis J. Hummel.

Narrative (include time and location):

0700 all personnel onsite. Call from K. McMahon - he says that if we have respirator fit cards, may not need Mound fit testing.

G. Loder late, so release B-M crew to drill geotechnical holes on Main Hill - D. Sink estimates 3-4 hrs for completion.

Note: T. Trask pulled Sally Brown into office - no support for Cemy P.

- S. Abston & M. Cramer purging and sampling W397 today.
- Note: Suggestions to speed up A7 drilling:
  - for shallow holes, no rig decon between holes.
  - for deep holes, discontinue spooning at some depth and rugee to bedrock
  - if we get LEL hit, flood hole immediately.

1315 K. MacMahan called - HEPA ~~cartridge~~ JPH 7/18/94 cartridge good - we can have OV cartridges onhand if we want but is not necessary. Not required to have Mound fit-testing —

Daily Weather Conditions: A.M. warm & humid

P.M. same

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

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBO

P. 72

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

TASK NO: 34896

Date (mm/dd/yy): 7/18/94 TIME: NA PAGE 2 OF 2

Task Team Members:

J.H.

Narrative (include time and location):

as long as everyone is fittested by company and can provide cards.

East Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By J. Hampel QA Checked By Laura M. Marsh 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.73

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

Date (mm/dd/yy): 7-19-94 TIME: NA PAGE 1 OF 2

Task Team Members:

Craig Patterson - Sally Brown (ADLSC) Martha Cramer - Susan Abston (NP) Juan Alvarado - Chris Halley (Soil gas) Joe Schultheis, Elisa Jackson, Greg Loder - George Wahl (Area 7) Dave Cummings (Geophysical)

Narrative (include time and location):

0715 Onsite. All personnel present. K. MacMahan at trailer asking for copy of respirator fit cards for SAIC. Also inquiring about whether we ship soil screening results. He's worried that that may potentially be a conflict of interest because the lab may be able to falsify a result within 20%. I said we sometimes sent a copy of results or had a verbal that everything was OK to ship. He asked for a complete copy of results to date. I don't have a complete set because sometimes HP only gives one copy and I have to ship it. I explained to K.M. that it would be hard for the lab to use soil screening since those results are only for Th-232 and Pu-238. I told K.M. that we could stop sending the results if he wanted - he said he'd get back to us on it. Also took respirator cards and papers to copy.

0800 Ran ambient blank to G. Loder at B09. S. Abston and M. Cramer collecting W39701 at B397 w bailer.

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

P.M. NA

Recorded By J. Hempert QA Checked By [illegible] 7/21/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P. 74

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

Date (mm/dd/yy): ~~7-18-94~~ 7-19-94 JHO 7-20-94 TIME: NA PAGE 2 OF 2

Task Team Members:

J. Hungert et al.

Narrative (include time and location):

0930 MCramer and S. Alston not able to sample due to high levels of silt. Bailed well dry and still high level of silts. Called T. Tank for guidance.

1200 G Loder to trailer - at point of collecting last sample (B0905). Will finish hole after lunch.

1300 S. Alston and M. Cramer getting stable readings at B397 - will sample well.

1405 G. Loder finishes B09. Moving to B12 and is skipping decon of rig with approval from T. Tank.

1430 K. MacMahan called. EG&G fidler guy out today - only one that has key for room where FIDLERS are kept. He will get us a new calibrated FIDLER on Wed. morning. Also said we should stop sending soil screening results to lab as directed by EG&G. Just give labs verbal everything OK.

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. Sunny 88°F

Recorded By Jolotta Humpert QA Checked By [illegible] 7/21/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK 8:75

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

Date (mm/dd/yy): 7/20/94 TIME: 0700 PAGE 1 OF 2

Task Team Members:

John Davis, Joletta Humphrey, Martha Cramer, Susan Abston (GW Spls), Greg Loder, George Wahl (AFIKA), Sally Brown, Craig Patterson (FIDLER), Juan Alvarado, Chris Halley (SG)

Narrative (include time and location):

0700 all personnel on site
- J. Alvarado reports that 3 points in SDB exceeded FIDLER background, scheduled for soil gas implacement. Did not drill there. He's checking w/ HP to determine background. OU5 HSP says Action level is 3x background.
- G. Loder drilling B12
- S. Abston, M. Cramer sampling B402.
- K. McMahon onsite. Decide to finish B16 on Mon 7/25

0830 call fm K. McMahon. Approval fm A. Spessard, A. Berry - No need to decon back of pigs between shallow holes. Need to use clean augers.
- also ok to just auger below 30' unless lithology changes.

1000 @ B402. Spls crew finishing sampling there.
1015 @ B12. Just completed. TD = 22'. Moving to B10
1030 @ B10 w/ J. Geiska. Move hole approx 10' S. to avoid a LOD. Scanned ok.

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

P.M. same

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

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBO

P. 76

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

TASK NO: 34896

Date (mm/dd/yy): 7/20/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

1300 @ B10. Just getting started.

1330 Call S. Willis for FRI access:

J. Davis, J. Minard, G. Coder, G. Wehl (SOTC)

D. Sink Dwork (B-M).

1400 Call fm K. McMahon. He wants to stage all IDM drums in A7.

1500 G. Coder completes B10 @ 13.5'.

NOTE: FIDLER crew reports that field tests and disc. w/ Roy Mowan indicate that sweeping w/ OUT channel does not detect plutonium i.e. that its possible to get a hit on CH1 w/o a corresponding hit on OUT channel. Also found that to get a hit on CH1, FIDLER must be stationary and on the ground to a max. 2" above ground - not conducive to field screening.

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. 77

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

Date (mm/dd/yy): NA TIME: NA PAGE 1 OF 4

Task Team Members:

NA

Narrative (include time and location):

NOTE: The following is a summary of geotechnical sampling performed in the New Property, extended Phase. All samples were collected w/ the HSA auger

Lithologic Zones:

ZONE 1: surface Mostly silty clays; clayey silty soil

ZONE 2: subsurface silty clays, commonly w/ fairly abundant limestone fragments; may be weathered bedrock in places

ZONE 3: BVA? sand, gravel, well graded, possible BVA material

Note: Zone 2 consists of silty clays. In areas of higher elevations, clay grades downward to weathered bedrock (either shale or fossiliferous limestone)

Samples Collected

ZONE 1: B40521 B40721 B40821

ZONE 2: B40421 B40621 B40723

ZONE 3: B40622 B40822

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 LOGE P.78

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

Date (mm/dd/yy): NA TIME: NA PAGE 2 OF 4

Task Team Members:

NA

Narrative (include time and location):

GEOTECHNICAL SAMPLING (CONT.)

HOLE	SPL COLLECTED			
B401	NONE			
B403	NONE			
B404	B40421	BUCKET	2-8'	silty clay (ZONE 2)
B405	B40521	bucket	0.0-1.3	silty clay (ZONE 1)
		Shelby	0.0-1.5	
B406	B40621	bucket	6.0-24.0	clay (ZONE 2)
		Shelby	10.0-12.0	
	B40622	bucket	30.0-38.0	BVA (ZONE 3)
B407	B40723	bucket	6.0-10.0	silty clay (ZONE 2)
			3.0-11.0 (FM B405)	
	B40721	bucket	0.0-0.5	clayey to silty soil (ZONE 1)
		Shelby	0.0-2.0	
B408	B40821	bucket	0.0-0.5	silty soil (ZONE 1)
		Shelby	0.0-2.0	
	B40822	bucket	17.0-34.0	BVA (ZONE 3)
		Shelby	16.0-18.0	

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Morillo 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): NA TIME: NA PAGE 3 OF 4

Task Team Members:

NA

Narrative (include time and location):

B409 NONE.

SAMPLE SUMMARY

ZONE 1 3 buckets 3 Shelbys

ZONE 2 3 buckets 1 Shelby

ZONE 3 2 buckets 1 Shelby

SOIL - silty clays / clayey silts (ZONE 1)

GRADES FIRM CLAYS (ZONE 2)

weathered shale or limestone. (PARTS of ZONE 2)

BVA ZONE 3

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 LOGBO P. 80

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

Date (mm/dd/yy): NA TIME: NA PAGE 4 OF 4

Task Team Members:

NA

Narrative (include time and location):

SUMMARY OF NEW PROPERTY EXTENDED PHASE DRILLING - MULTIPLE HOLES

B407 2 HOLES; 2ND to COLLECT SUBSURFACE SAMPLE
B409 2 HOLES; 2ND to COLLECT SUBSURFACE SAMPLE
B408 1 HOLE
B404 3 HOLES; 2ND to COLLECT SUBSURFACE SAMPLE
3RD to COLLECT SUBSURFACE DUPLICATE
B405 2 HOLES; 2ND to COLLECT SUBSURFACE SAMPLE
B406 1 HOLE
B403 3 HOLES;

B402 1 HOLE
B401 1 HOLE

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. 81

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

Date (mm/dd/yy): 7/21/94 THURS TIME: 0700 PAGE 1 OF 1

Task Team Members:

John Davis Joletta Humpert Gail Loden George Wahl (A7HSA)
Juan Alvarado Chris Holley (SC) Susan Alston Martha Cramer (GW spl)
Sally Brown Craig Patterson (FIDLER)

Narrative (include time and location):

0700 all personnel on site. Conduct HAS briefing.
A7HSA set up on B11
K. McMahon and J. Geisler on site. Discuss concrete specs for well pads:
- 3000 psi
- max 2 hr to pour (from start of mix in yard to pour)
- need to keep concrete wet for several days.

Discuss w/ Skeiter Patterson. He wants to pour next Mon.
- Evaluate B-M invoice for A7HSA thru 6/30; their invoice agrees with our logbooks.

- A7HSA completes B11; TD @ 20.5 (bdek); water sampled @ 12.5
- S. Alston collects water spl @ B410. Then to W399 - difficulty pumping - v. slow recharge

Last entry

Daily Weather Conditions: A.M. humid. overcast 80°F
P.M. Sunny warming to 90°F

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

TASK TEAM ACTIVITY LOG SHEET

P-82

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

Date (mm/dd/yy): 7/22/94 TIME: 07 00 PAGE 1 OF 1

Task Team Members:

Greg Loder George Wahl

Joletta Minsend John Davis

Narrative (include time and location):

0700 G. Loder, G. Wahl on site.

Drill B6: TD @ 16' No water encountered.

JD on site @ 1030 after resp. fit test in Dayton.

1300 Drillers back from lunch. Send them to 17 to stage 10M drums

Daily Weather Conditions: A.M. overcast, sl. humid 80°F

P.M. Clearing some

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

TASK TEAM ACTIVITY LOG SHEET

D 83

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

Date (mm/dd/yy): 7-25-94 TIME: NA PAGE 1 OF 3

Task Team Members:

Joletta Humpert Sally Brown Craig Patterson (FIDLER)
Susan Abston Martha Cramer (B16)
Juan Alvarado Chris Halley (Soil Gas)

Narrative (include time and location):

0715 All personnel onsite at sample trailer.
Getting S. Abston and M. Cramer ready for B16.
S. Abston reviewing logbook from previous drilling.
0800 K. MacMahan stopped by - EG&G is now saying we can't use our own respirator fits. Also mentioned Allen Spesard was going to stop by to talk to crew.
0810 Called A. Spesard. - he doesn't need to speak to crew. Said we start without respirators but Henry Robinson and Keith MacMahan will be monitoring (w/ Fidler) to ensure we don't exceed the Actinium action level of 60 pCi/g. If we exceed the action level, EG&G will not accept our respirator fit tests and we'll probably have to get fit test by Mound. (Keith's beeper #. ~~8-267-1470~~) JPH 7/25/94
0830 K. MacMahan called - informed him they were starting B16. He's heading down right now.
Call B. Gault - leave message to call about what needs to be done with drums outside Bldg 19.

Daily Weather Conditions: A.M. Sunny, 70°F
P.M. NA

Recorded By J. Humpert QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P. 84

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

Date (mm/dd/yy): 7-25-94 TIME: NA PAGE 2 OF 3

Task Team Members:

J. Humpert

Narrative (include time and location):

Talked to drillers - they're trying to line up concrete truck to come in tomorrow (Tues.) at 9:00am and 1:00 pm. Rod Long said they will need to get a pour card from Joyce tomorrow morning.

Skeeter and Steve will decon rig and equipment and get with me to line up HP to come and take wipes so they can get equipment back to yard. Also informed them concerning drums - waiting for call from D. Gault.

0840 D. Gault returned call - drums can be placed on pallets and set inside loading dock at Bldg 19. Bldg 19 is open and the pallets are inside. Empty barrels need to be cleaned out (deconned) and can also be placed inside loading dock.

1300 Martha reported they're done collecting samples at B16 - will continue doing lithologic descriptions until hitting sand layer and then will auger to bedrock (instructions per K. McMahan).

Skeeter & Steve working on blass pipe and deconning (cleaning) and moving barrels. Still very little

Daily Weather Conditions: A.M. NA

P.M. Sunny, humid, 85°F

Recorded By J. Humpert QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.85

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

Date (mm/dd/yy): 7-25-94 TIME: NA PAGE 3 OF 3

Task Team Members:

J.H

Narrative (include time and location):

water coming out of B399 per Skeeter & Steve. Concrete truck will be here tomorrow morning at 8:30am and 1:00 pm. Will need to get pour card from Joyce Geisler - left message on her voice mail

Juan A. informed me that Chris H. will be out with Kusmer (surveying) for OU9 tomorrow @ 10:30 am. Either myself or possibly Laura M. will fill in.

1400 G. Loder called - will come down tomorrow to fill in for C. Halley on soil gas crew. Asking if we had developed a second team yet. Will probably need Loder on Wed. to pull Area 21 with me.

1600 B16 complete - tagged bedrock at 48'. No rad hits during drilling. No water below 18'. Will pull & wipe augers Tues.
Offsite to deliver to fedex.
Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By J. Hempert QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK 1.86

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

TASK NO: 34896

Date (mm/dd/yy): 7/26/94 TUES TIME: 0700 PAGE 1 OF 2

Task Team Members:

Jolitta Hompert John Davis Sally Brown Craig Patterson (FID
Greg Loder Juan Alvarado (SG)
Susan Abston Martha Cremer (AT HSA)

Narrative (include time and location):

0700 all personnel on site.
- HSA auger team grouts B16. V. slow recharge on W399 - unable to sample.

1015 @ B16. Crew waiting on Health Physics for results of dirty wipes on augers. Must wait for results before deconning equipment

- Note: S.C. Patterson and S. Belt pouring well pads today. J. Geisler drops off permits for concrete - one for morning pour and one for afternoon pour.

- 1500 All pads are poured. Patterson and Belt putting Broom finishes on pads. Will be completed today

Note: unable to set up on B15 today. Waiting on wipes, then drillers decon all equip. (No 2nd wipe required).
No HP coverage past 1500 (H. Robinson in training)

Note: discussion w/ K. McMahan re FIDLER detection of plutonium; out channel does pick up plutonium tho not as well as CH. 1. But to do it effectively in either channel, FIDLER must be stationary or moved v. slowly and must be 1-2" max

Daily Weather Conditions: A.M. overcast, cool, 70°F
P.M. warming to 85°F

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

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK

P.87

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

Date (mm/dd/yy): 7/26/94 TIME: NA PAGE 2 OF 2

Task Team Members:

NA

Narrative (include time and location):

Above ground. KM opinion that FIDLER isn't a good instrument used in a sweep, for plutonium detection.

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 LOGBOO P. 88

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

Date (mm/dd/yy): 7/27/94 WED TIME: 0700 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS JOLETTA HUMPREET SUSAN ABSTON MARTHA CRAMER (A7 HSA)
CHRIS HALLEY JUAN ALVARADO (SG)
SALLY BROWN CRAIG PATTERSON (FIDLER)

Narrative (include time and location):

~~JTD~~ 7/27/94

0700 ~~All site on personnel~~ All personnel on site. Conduct Hys Briefing.

- HSA crew sets up on B15. Good progress.
- JD + JH to New Property to pick up drums.
- Call T. Tank and give weekly update.
- Call fm A. Bray. Discuss lack of water w W395. He suggests we do more surging, with a surge block. Also said we shouldn't dump groundwater from IDM to ground.

1400 Complete B15 w 19' No water. Drillers then decontain rig and washing barrels out. DRILLING COMPLETE!

LAST ENTRY

Daily Weather Conditions: A.M. Cool, overcast, quite pleasant
P.M. Same w/ some clearing

Recorded By [signature] 7/27/94 QA Checked By Laura M. Morrum 8/16/94

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK p. 89

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

Date (mm/dd/yy): 7/28/94 Thurs TIME: 0700 PAGE 1 OF 1

Task Team Members:

John Davis Joletta Humpert Susan Abston
Chris Halley Juan Alvarado (SG) Greg Loder
Craig Patterson Sally Brown (FIDLER) Martha Cramer

Narrative (include time and location):

0700 all personnel on site.
G. Loder, S. Abston work on completing logbooks.
M. Cramer calibrates TLC meter.
J. Minard, G. Loder pulling soil gas samples.
J. Davis QAs logbooks
1400 Joe Schultheis on site to look at AOC J geophysical grid.
1430 at OSE Bldg for mtg w/ K. McMahan, A. Spesard, T. Tank. Jim Zahora

- small sg grid around A7 gas tanks. Research w/ Petrex
- PH holes scheduled for Tues, Wed next week
- A21; not sure what contaminant is there. Will run FIDLER. per A. Spesard.
- FIDLER methodology to remain the same.

LAST ENTRY

Daily Weather Conditions: A.M. Calm, clear, nice, 80°F
P.M. SAME

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

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK P.90

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

Date (mm/dd/yy): 8/1/94 MON TIME: 0730: PAGE 1 OF 1

Task Team Members:

John Davis Joletta Humphrey Sally Brown Craig Patterson (FIDL
Juan Alvarado Chris Halley (SC)
Martha Cramer (SC)

Narrative (include time and location):

0730 all personnel on site.
FIDLER working in 3/5DB. Soil gas in A7.
1200 JD to office to discuss misc project details w/ T. Tank
LAST ENTRY

Daily Weather Conditions: A.M. humid overcast 80°F
P.M. same

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

TASK TEAM ACTIVITY LOG SHEET

SITE MANAGER LOGBOOK 8-91

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

Date (mm/dd/yy): 8/2/94 TUES TIME: 0730 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS Jolette Humpert Martha Cochran

Juan Alvarado Chris Helley (SG)

Sally Brown Craig Patterson (FIDLER)

Narrative (include time and location):

0730 all personnel on site. FIDLER crew to 3/SDB, soil gas to A7. Yesterday, Jolette & Martha staked New Prop. holes for As-builts Surveyors. Also put locks on wells & removed plastic. Checked for trash and IDM - one soil IDM left @ B409.

0900 To H_2O IDM staging area to cover drums. Then check scanned locations & PH holes; #1 & #2 moved N to edge of road approx 12' from edge of PH Bldg.

1200 JD to office. Evaluate Bowker-Morner invoices. Look @ ODCs.

1700 Word from trailer - FIDLER survey completed!

Last Entry

Daily Weather Conditions: A.M. overcast, humid, 85°F, sl. breeze.

P.M. same.

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

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 & poison ivy
- cleaning equipment safety
- HP coverage; per J. Geisler, she'll check the area D D&D to see if it's OK to go in.

Last entry

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

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

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

Last Entry

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

Eric Sayler		
[illegible]		
[illegible]		
Bernard D [illegible]		
Jeff Rutka		

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: 348

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 Saylor		
[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: hard hat & glasses; add clothing PPE when cleaning.

NOTES:

Discuss
- chemicals & material safety
- familiarizing 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]		

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: 34

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]	Shara Kristenger	
[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)

Vicky Montgomery		
Sharon Knittenger		
Brad Richards		
Chr D Hilly		

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)

Art Lupe		
Jeff Kelsa		
Cathy McCullough		
Sharon Bittenger		
Bernard D Kent		
Chris Hilty		

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: 348

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 Mengke yesterday
  Eye protection v. important. Stress dangers 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
1.254

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

TASK NO: 34886

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 hats in construction zones. Also discuss cleaning PPE
- Poison ivy. Lots of it at MEA 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 Oblay		
[illegible]		
Chris Hedges		

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		
Alan J. Hartz		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBO
P. 256

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

TASK NO: 34

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		
[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 Saylor		
Matt Oldey		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM SITE MANAGER LOG P. 258

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

DATE: 6/13/94 Su/M Tu W Th F Sa TIME: 07:

WEATHER: Sunny 70°F

WORKING CONDITIONS: Good

REQUIRED PPE: See below

NOTES: Concerns

- Hard hats in contaminated areas
- Safety Glasses
- Wet side slopes
- Discuss Mound PPE: glasses & boots always, hardhats around drill rigs.
- JSAs 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)

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 Zeigler	[illegible]	
Martin Cramer		
Duane L Alafian		
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: 34996

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, handhats 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 handhats 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]		

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, handhats 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)

Susan L Alston	Mark Fitzgerald	
[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 [illegible]
[illegible]	Joletta Humpert	[illegible]
[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 HP passes to ward.
- 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 weak cornrolls and will launder.
- Slippery driving conditions in new property
- Heat stress

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]	[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: 3489

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, handwear as required.

NOTES:

Discussed

- training forms
- Don't let drillers start rig, put up mast, etc until exclusion zone is established
- Get urine samples 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 Hungert	[illegible]	
Yanta Cramer	[illegible]	
[illegible]	Sally Brown	
Eric Taylor		

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, handwate 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	S.C. Patterson
Susan J. Gilbert	[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.266

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

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. Albston	[illegible]	
[illegible]	Juliette Hurayzat	
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 207

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 Potter		
Marlo L Cron		
Susan L Alden		
[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: 34896

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	
	George Ward	
Susan T Alston		
Mantaz Cramer		Joletta Humphrey
	SC Patterson	
Eric Taylor		

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 humid 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 stop work as necessary

Last Entry

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

[illegible]		
[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, handbats as required

NOTES:

Discussed

- drilling schedule to finish by 7/12
- and 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 Crames	
[illegible] Vaughn	Juletta Thompson	
[illegible] Snyder	[illegible]	
Craig [illegible]		
Sally S Brown		

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, handbats as required.

NOTES: Discussed

- weather conditions

last entry

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

[illegible]	Juletta Hampert	
Susan L Alston	George Wahl	
Martha Cramer	Steve C. Bell	
Sally S Brown Jr	Sheila Patterson	
[illegible]	[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: 348

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 A Brown		
Gerhse Wahl		
Craig Pittman		
Bryan 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, hardhats as required

~~Discussed~~ JHO 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]	Warren Cloner	
Eric Taylor		
George Wall		
[illegible]		
Guy Patton		
Susan J Alexander		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER LOGBOOK P. 274

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

TASK NO: 34896

DATE: 7/14/94 Su M Tu W (Th) F Sa TIME: 0730

WEATHER: overcast sl drizzle humid 75°F

WORKING CONDITIONS: slippery

REQUIRED PPE: glasses & boots; hardhats not required

NOTES: Discussed

- poison ivy. Clean w/ Clorox.
- OSHA medical required
- slippery driving conditions

Last Entry

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

[illegible]	Juletta Thumpert	
George Wahl	George Wahl	
[illegible]		
Sally Brown		
Gerard L Alden		
Marsha L Cramer		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 275

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

DATE: 7/18/94 — Su (M) Tu W Th F Sa — TIME: 0730

WEATHER: WARM, 80°F, CLEAR

WORKING CONDITIONS: good

REQUIRED PPE: glasses and boots, hardhats as required

NOTES:

Discussed:

- keep vehicles passed up
- watch for poison ivy.

LAST ENTRY

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

J. Humpert		
[illegible]		
Craig Patterson		
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK P. 276

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

DATE: 7/21/94 — Su M Tu W (Th) F Sa — TIME: 0700

WEATHER: overcast, humid

WORKING CONDITIONS: good

REQUIRED PPE: glasses and boots; add hardhat as required.

NOTES:

Discussed

- all intrusive personnel must submit a pre-work urine sample.
- humid conditions and possible lightning alert

LAST ENTRY

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

[illegible]		
Juletta Humpert		
[illegible]		
SD for Sally Brown		
[illegible]		
Marsha Z Crane		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK 2277

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

DATE: 7/27/94 Su M Tu (W) Th F Sa TIME: 0715

WEATHER: overcast, cool

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots; handlat as required

NOTES:

Discussed:

- all personnel must read the HAS Site Specific Checklist before going into an area. (AOC)

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

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

7/27/94

SITE HEALTH & SAFETY OFFICER

APPENDIX A.2

FIDLER LOGBOOK

EG&G MOUND

OU5 OPS AREA

PHASE I

FIELD

LOGBOOK

AOC 3

AOC 5DB

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: 7-20-94
END DATE:

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AOC 3

TASK TEAM ACTIVITY LOG SHEET

FIDLER AOC 3

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

Date (mm/dd/yy): 7-20-94 TIME: 12:50 PAGE 1 OF 1

Task Team Members:

Sally Brown

Craig Patterson

JPH 8/19/94

Numerical values recorded for CH2 and OUT channels were not multiplied by 1000. JH 5/11/95

Narrative (include time and location): see below. JH 5/11/95

1250 - Near A22 STD BKGD CHK. - x=172 sd=13.11 3xsd=39.33 +172=

CH1 - 170, 150, 190, 150, 200 - 860 ÷5 = 172.0 x3 = ~~516~~ JH 4/28/95 ~~1720~~ = ~~223.6~~ 211.33

CH2 - 9.5, 9.5, 9.5, 9.5, 9.0 - 47.0 ÷5 = 9.4 x3 = ~~28.2~~ JH 4/28/95 ~~9.4~~ = ~~12.22~~ x=9.4 sd=3.06 3xsd=9.19 +9.4 = 18.59

OUT - 10.0, 10.0, 10.0, 10.5, 10.5 - 51.0 ÷5 = 10.2 x3 = JH 4/28/95 ~~3.06~~ + 10.2 = ~~13.26~~ x=10.2 sd=3.19 3xsd=9.58 19.78

CH1 - Pu^{238} - 14,500 Th - 950

CH2 - Pu^{238} - 9.5 Th - 13.5

1520 - START READINGS IN AREA 3. BACK IN WOODED AREA. UNABLE TO SERPENTINE

1700 - GO TO TRAILER FOR DAY.

~~Last Entry~~ JH 5/11/95.

CH1 background = 211.33

CH2 readings = 9500, 9500, 9500, 9500, 9000 cpm

$\bar{x}$ = 9400 cpm

sd = 96.95 3xsd = 290.85

CH2 CC = 9,690 cpm or 9.6 Kcpm

OUT readings = 10000, 10000, 10000, 10500, 10500 cpm

$\bar{x}$ = 10,200 cpm

sd = 100 cpm 3xsd = 300 cpm

OUT Channel CC = 10,500 cpm or 10.5 Kcpm

Daily Weather Conditions: A.M. NA

P.M. Very hot, very humid, sunny

Recorded By Sally Brown QA Checked By Joletta Humpert

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TASK TEAM ACTIVITY LOG SHEET — FIDLER

AOC 3

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

Date (mm/dd/yy): 7/26/94 TIME: 10 : 16 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.
JPH 8/19/94

Narrative (include time and location): 10:16 - TAKE BKGD CHECK NEAR N1 — Pu^{238} - 225

CH1 - 150, 125, 115, 150, 135 - 675 ÷5 = 135 ×3 = ~~JPH 4/28/95~~ 135 = ~~175.5~~ — Th - 2500

CH2 - 6.0, 6.5, 6.5, 6.5, 6.5 - 6.5 ×3 = ~~19.5 + 6.5~~ JPH 4/28/95 8.45 — Pu^{238} - 6.0 Th - 27.0

Out - 7.5, 7.0, 7.5, 7.5, 7.0 - 36.5 ÷5 = 7.3 ×3 = ~~21.9~~ JPH 4/28/95 7.3 = 9.49

10:50 - START TAKING READINGS 12:00 - LUNCH 12:45 - BACK IN FIELD.

1523 - N10 - 13 - SW - Out - 13.0 CH1 - 175.0 CH2 - 12.0

15ft from fence - East of drainage ditch

diameter -

10ft South, ~~10ft~~ SB 7-28-94 5ft North, 5ft West, ~~10ft East~~ SB 7-26-94 ~~30ft~~ 20ft east SB 7-26-94

- goes in a straight line down the hill
- area is easily serpentinable

1600 - M10 - 23 - NW - Out - 15 Ch2 - 13.5 Ch1 - 185

5ft North, 5ft South

- probably related to the above readings

17:00 - GO TO TRAILER FOR THE REST OF THE DAY.

~~Last Entry~~ JPH 4/28/95

CH1 $\bar{x}$ = 135 sd = 11.61 3xsd = 34.85 + 135 = 169.85

CH2 $\bar{x}$ = 6.5 ~~sd = 2.54 3xsd = 7.64 + 6.5 = 14.14~~ JPH 5/11/95 sd = 80.62 3xsd = 241.86 + 6500 = 6741 cpm ~6.7 Kcpm

OUT $\bar{x}$ = 7.3 ~~sd = 2.7 3xsd = 8.1 + 7.3 = 15.4~~ JPH 5/11/95

$\bar{x}$ = 7300 cpm sd = 85.4 3xsd = 256 + 7300 = 7556 cpm or 7.5 Kcpm

Daily Weather Conditions: A.M. sunny, hot, mildly humid,
P.M. hot, sunny, humid

Recorded By Sally A Brown QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET — FIDLER AOC 3

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

Date (mm/dd/yy): 7/27/94 TIME: 7 : 39 PAGE 1 OF 2

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. gph. GPH 8/11/94

Narrative (include time and location):

→ $\bar{x}$ = 11,200 cpm sd = 105 3xsd = 317 + 11,200 = 11517 cpm ≈ 11.5 Kcpm Out CC

STD BKGD CHK - 7:39 - NEAR A12 - HV - 1.21 BATT - 93%

CH1 - 200, 200, 200, 200, 215, - 1015 ÷5 = 203 ~~203 + 203 = 263.9~~ $\bar{x}$ = 203 sd = 14.24 3xsd = 42.74 + 203 = 245.74

Pv 238 - 28000 Th - 2500

CH2 - 9.5, 10.0, 10.0, 10.5, 9.5 - 49.5 ÷5 = 9.9 ~~2.97 + 9.9 = 12.87~~ ~~$\bar{x}$ = 9.9 sd = 3.14 3sd = 9.43 + 9.9 = 19.33~~ $\bar{x}$ = 9900 sd = 99.4 3xsd = 298 + 9900 = 10198 ≈ 10.1 Kcpm

Pv 238 - 6.0 Th - 26.0

Out - 11.5, 11.5, 11.0, 11.0, 11.0 - 56.0 ÷5 = 11.2 ~~3.36 + 11.2 = 14.56~~ ~~sd = 3.24 3xsd = 10.0~~ 10.0 + 11.2 = ~~21.2~~

8:10 - START READINGS - FAR SIDE OF AREA 3 AREA IS EASILY SEPERATINABLE

#1 830 - ~~04~~ 3L10 - 1, 2, 3, 9, - epicenter - Out - 27.0 Ch1 - 430 Ch2 - 25.0
3 ft East, 10 ft South, 12 ft West, 5 ft North BY SEWER MANHOLE

#2 915 3I10 - 23 OUT - 22, CH2 - 20, CH1 - 330
1 FT EAST, 1 FT SOUTH, 1 FT, NORTH, 2 WEST
10 FT EAST OF CORNER OF BLDG 55

#3 1000 3F10 - 02 - OUT - 21.0, CH2 - 19.0, CH1 - 300.
25 ft NE of ~~USDS~~ USGS Marker
4 ft North, 2 ft South, 2 ft East, 10 ft West
~~3G9 - 17 NW OUT - 18.0, CH2 - 15.0, CH1 - 320~~ CP 7/27/94

#4 10:45
2 FT NORTH ~~2 FT~~ 1 FT SOUTH 2 FT EAST 2 FT WEST
30 FT NW OF USGS MARKER
3G9 - 17 NE OUT - 32.0, CH2 30.0, CH1 - 400

Daily Weather Conditions: A.M. Cool, breezy, cloudy, SUNNY
P.M. Hot, SUNNY, BIG CLOUDS, DRY

Recorded By Sally Brown QA Checked By Joletta Humpert

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TASK TEAM ACTIVITY LOG SHEET FIDLER

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 AOC 3 **TASK NO.: 34896**

Date (mm/dd/yy): 7/27/94 TIME: 11 : 00 PAGE 2 OF 2

Task Team Members:

Sally Brown
Craig Patterson

JPH 8/19/94

Narrative (include time and location):

#5 1100 - 19 - 21, 22, 23 - runoff readings from 7/26/94 readings in M10 - readings related

#6 3 K11 - 4MW OUT - 19.0, CH2 - 18.0, CH1 - 250

12:55 2 FEET IN DIAMETER AT ENTRANCE TO CULVERT PIPE ON CONCRETE DRAINAGE DITCH

12:15 - IN FOR LUNCH 12:50 - BACK IN FIELD -

1635 - Sally falls down at I-12. STEEP GRAVEL HILLSIDE COVERED W/ TALL WEEDS.
go in for the day.
fast Entry

Daily Weather Conditions: A.M. warmer, sunny,
P.M. hot, sunny, humid

Recorded By Sally Brown QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET — FIDLER AOC 3

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

Date (mm/dd/yy): 7/28/94 TIME: 10 : 00 PAGE 1 OF 1

Task Team Members:

SALLY BROWN

CRAIG PATTERSON

JPH 8/19/94

Narrative (include time and location): NEAR I-12, 10:00

STD BKGD CHECK IN I-12 HV-1.44, BATT. - 100%

CH1 - 135, 110, 105, 120, 110 - 580 ÷5 = 116 ×9 - ~~348 + 116 = 464~~ SLB 4/18/95

$\bar{x}$ = 116 sd = 10.77 3×sd = 32.31

PU 238 - 23000 THORIUM - 3500 32.31 + 116 = 148.31

CH2 - 10.0, 10.0, 9.5, 10.0, 10.0 - 9.9 ×3 = ~~29.7 + 9.9 = 39.6~~ SLB 4/18/95

$\bar{x}$ = 9900 ~~sd = 3.14 3×sd = 9.43 + 9.9 = 19.33~~ SLB 4/18/95

PU 238 - 6.5 Th - 42.0 sd = 99.4 3×sd = 298 + 9900 = 10198 ≈ 10.1 Kcpm

Out - 11.5, 12.5, 11.5, 12.0, 11.5 - 11.8 ×3 = ~~3.54 + 11.8 = 15.34~~ SLB 4/18/95

$\bar{x}$ = 11800 sd = 108 3×sd = 325 + 11800 = 12125 ~~sd = 3.43 3×sd = 10.3 + 11.8 = 22.1~~ SLB 4/18/95

≈ 12.1 Kcpm

SLB 7/28/94 1530/H-13 - about 80% of plot is covered by construction equipment so surrounding stakes were measured for levels. will try tomorrow to see if anything has moved.

7:15 - Go to HP for Std Bkgd Chk. Notice a knob on Scaler is broken. FIDLER #1 is unable to be used.

7:30. Call Keith MacMahan. He will look for a new FIDLER.

9:30 - Keith brings us FIDLER #3.

10:00 - ARRIVE IN AREA 3. TAKE STD BKGD CHK.

SLB 10-94

10:35 - START TAKING READINGS. WORK ALONG THE RAILROAD TRACKS.

AREA IS EASILY SERPENTINABLE UNTIL WE GOT INTO THE CONSTRUCTION AREA. MOST OF THE STAKES AND PAINTED MARKERS WERE GONE. MUCH EQUIPMENT IN THE WAY. MOST LOCATIONS ARE ESTIMATIONS.

12:00 - LUNCH 12-30 - BACK AT AREA 3

12:30 - START READINGS - SAME PROBLEMS AS ABOVE ALL DAY.

17:00 - BACK AT TRAILER. DONE FOR DAY. LAST ENTRY

Daily Weather Conditions: A.M. cloudy, cool,

P.M. humid

Recorded By Sally Brown QA Checked By Juletta Humpert

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TASK TEAM ACTIVITY LOG SHEET — FIDLER AOC 3

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

Date (mm/dd/yy): 8-1-94 TIME: 8 : 49 PAGE 1 OF 1

Task Team Members:

Sally Brown
Craig Patterson

JPH 8/19/94

Narrative (include time and location):

STD BKGD CHK - NEAR C-116 HV - 1.41 BATT - 100%

CH 1 - 110, 115, 110, 125, 140, 600 ÷5 = 120 ×9 ~~360.0 + 120 = 156.0~~ JPH 8/24/95
sd = 10.95 3×sd = 32.86 + 120 = 152.86
P_v^{238} - 29000 Th - 3500

CH2 - 8.0, 7.5, 8.0, 8.0, 8.0 = 7.9 × 3 JPH 8/24/95 ~~2.37 + 7.9 = 10.27~~ see below
sd = 2.81 3×sd = 8.43 + 7.9 = 16.33 JPH 8/24/95
P_v^{238} - 6.0 Th - 43.0

Out - 10.0, 9.0, 10.0, 9.5, 9.5 = 9.6 × 3 JPH 8/24/95 ~~2.88 + 9.6 = 12.48~~ ~~12.89~~ JPH 8/24/95
sd = 3.09 SB 8/16/94

9:20 - START READINGS. LOCATED IN ~~FIVE~~ CREEK BED. TALL WEEDS HARD TO SEE PEATLINE.

12:00 - LUNCH 12:30 - BACK TO AREA 3. START READINGS.

13:25

B-15 - 15 — CH2 - 18.0 OUT - 22.0 CH 1 - 130.0
15 ft east of 2 monitoring well caps
10 ft north of orange survey marker
2 ft diameter

13:32 25 - CH 1 - 190.0 CH2 - 23.0 OUT - 29.0
1 ft west of survey marker (orange)
2 ft in diameter

HOTSPOT ALSO FOUND IN B16-5 NE
MEASUREMENTS APPLY TO SAME HOTSPOT

CH2 CC: $\bar{x}$ = 7900 sd = 88 3sd = 266

14:30 - LEAVE & GO TO SDB.

CH2 CC = 8,166 cpm ≈ 8.1 Kcpm

OUT CC: $\bar{x}$ = 9600 sd = 97 3sd = 293

Out CC: 9,893 cpm ≈ 9.89 Kcpm ≈ 9.9 Kcpm

Daily Weather Conditions: A.M. cool, cloudy, SUNNY
P.M. hot, sunny, humid

Recorded By Sally Brown QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET FIDLER

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 AOC 3 TASK NO.: 34896

Date (mm/dd/yy): 8/2/94 TIME: 7 : 45 PAGE 1 OF 1

Task Team Members:

Sally Brown
Craig Patterson

JPH 8/19/94

Narrative (include time and location):

7:45 STD BKGD CHK - NEAR A15 TIV - ~~1.45~~ 1.43 SB 8/2/94 BATT - 98%

SD 8/2/94 CH1 - 150, 145, 135, 130, 140 - 140 $\bar{x}$ ~~= 420 ÷ 140 = 182.0~~ 9/4/95

$\bar{x}$=140 sd= 11.83 3xsd = 35.49 + 140 = 175.49

Pu^{238} - 20,000 Th - 3300

CH2 - 7.5, 7.5, 7.5, 7.5, 7.5 - 7.5 x̄ ~~= 22.5 ÷ 7.5 = 9.75~~ 9/4/95 sd = 2.73 3xsd = 8.21 + 7.5 = 15.71

Pu^{238} - 7.0 Th - 43.0 see below 9/5/11/95

Out - 9.0, 9.0, 9.0, 9.0, 9.0 - 9.0 x̄ ~~= 270 ÷ 9.0 = 11.70~~ x̄ = 9 sd = 3 3xsd = 9 9 + 9 = 18.0 9/4/95 5/11/95

8:20 - START TAKING READINGS. NEED TO FINISH MISSED SPOTS.
SOME STEEP TERRAIN. ABLE TO SERPENTINE MOST AREAS.

CH2 $\bar{x}$ = 7500 sd = 86.6

12:00 - FINISH AREA 3. GO IN FOR LUNCH 3sd = 259 CC = 7759 cpm
GO TO DO AOC 21 After LUNCH ≈ 7.75 Kcpm

Fast Entry OUT $\bar{x}$ = 9000 sd = 94.8
3sd = 284 CC = 9284 cpm
≈ 9.28 Kcpm
~~≈ 9.3 Kcpm~~

Daily Weather Conditions: A.M. cool, cloudy, wet grass
P.M. NA

Recorded By [signature] QA Checked By [signature]

FIDLER MEASUREMENT DATA

FIDLER: AOC 3

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

FACILITY CODE: MND 03 LOGGER CODE: SAIC
LOG DATE: 7-20-94 FIELD REP: Sally Brown
ACCEPTANCE CODE: A FIDLER NO.: 1
RATEMETER/SCALER:
MODEL NO.: 3712 SERIAL NO.: B891G CALIBRATION DATE: 6/15/94
WINDOW: out THRESHOLD: NA VOLTAGE: 1.22 BATTERY: 95%
NaI PROBE:
MODEL NO.: 3713 SERIAL NO.: B586N CALIBRATION DATE: 6/15/94
CHECK SOURCE: Checked against FIDLER 2 (Model No. 3400)
ISOTOPE: Pu-238 ACTIVITY: 0.5 μcuries ~~DPM~~ gph 10/12/94 SERIAL NO.: 31
SOURCE CHECK:
METER READING: 18600 COUNTS/ 1 MIN = 18,600 CPM
(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y)
CONTAMINATION CRITERIA: OUT 10.5 ~~13.26~~ ~~9.78~~ gH 5/11/95 CH1 211.33 ~~223.6~~ CH2 ~~18.59~~ gH 5/11/95 ~~12.22~~ gH 4/28/95
COMMENTS: STD BKGD DATA pg 1 9.6 kcpm

FACILITY CODE: MND 03 LOGGER CODE: SAIC
LOG DATE: 7/26/94 FIELD REP: Sally Brown
ACCEPTANCE CODE: A FIDLER NO.: ~~2~~ 1 CP 9/13/94
RATEMETER/SCALER:
MODEL NO.: 3712 SERIAL NO.: B891G CALIBRATION DATE: 6/15/94
WINDOW: out THRESHOLD: NA VOLTAGE: 1.21 BATTERY: 96%
NaI PROBE:
MODEL NO.: 3713 SERIAL NO.: B586N CALIBRATION DATE: 6/15/94
CHECK SOURCE: Checked against FIDLER 2 (Model No. 3400)
ISOTOPE: Pu-238 ACTIVITY: 0.5 μcuries ~~DPM~~ gph 10/12/94 SERIAL NO.: 31
SOURCE CHECK:
METER READING: 18600 COUNTS/ 1 MIN = 18600 CPM
(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y)
CONTAMINATION CRITERIA: OUT 7.5 ~~9.49~~ ~~15.4~~ gH 5/11/95 CH1 169.85 ~~175.5~~ CH2 ~~14.14~~ gH 5/11/95 ~~8.45~~ gH 4/28/95
COMMENTS: STD BKGD DATA-pg 2 6.7

ACCEPTANCE CODES: A - ACCEPTABLE, R - RECONNAISSANCE, U - UNACCEPTABLE, N - NOT DETERMINED

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

Sally Brown 7/20/94 7/26/94 Joletta Thumpert 10/12/94
FORM COMPLETED BY / DATE TECHNICAL REVIEWER / DATE

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FIDLER MEASUREMENT DATA — FIDLER AOC 3

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

FACILITY CODE: MND 03 — LOGGER CODE: SAIC

LOG DATE: 7/27/94 — FIELD REP: Sally Brown

ACCEPTANCE CODE: A — FIDLER NO.: 1

RATEMETER/SCALER:

MODEL NO.: 3712 — SERIAL NO.: B891G — CALIBRATION DATE: 6/15/94

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.21 — BATTERY: 93%

NaI PROBE:

MODEL NO.: 3713 — SERIAL NO.: B586N — CALIBRATION DATE: 6/15/94

CHECK SOURCE: Checked against FIDLER 2 (Model No. 3400)

ISOTOPE: Pu-238 — ACTIVITY: 0.5 microcuries ~~DPM~~ JPH 10/12/94 — SERIAL NO.: 31

SOURCE CHECK:

METER READING: 18600 — COUNTS/ 1 — MIN = 18600 CPM

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

CONTAMINATION CRITERIA: ~~14.56~~ 11.5 OUT ~~21.23~~ JH 5/11/95, ~~263.9~~ 245.74 CH1, ~~12.87~~ 10.1 CH2 ~~19.33~~ JH 5/11/95 JH 4/28/95

COMMENTS: STD BKGD DATA - pg 3

FACILITY CODE: MND 03 — LOGGER CODE: SAIC

LOG DATE: 7/28/94 — FIELD REP: Sally Brown

ACCEPTANCE CODE: A — FIDLER NO.: 3

RATEMETER/SCALER:

MODEL NO.: 3228 — SERIAL NO.: A701G — CALIBRATION DATE: 6/1/94

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.44 — BATTERY: 100%

NaI PROBE:

MODEL NO.: 3432 — SERIAL NO.: A736P — CALIBRATION DATE: 6/1/94

CHECK SOURCE:

ISOTOPE: Pu-238 — ACTIVITY: 0.5 microcuries ~~DPM~~ JPH 4/8/94 — SERIAL NO.: 29

SOURCE CHECK:

METER READING: 21,000 — COUNTS/ 1 — MIN = 21000 CPM

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

CONTAMINATION CRITERIA: ~~16.34~~ OUT ~~263.9~~ 150.8 CH1 ~~12.87~~ SB 7.27 CH2 JH 4/28/95

COMMENTS: ~~STD BKGD DATA pg 3~~ 3587.27 STD BKGD DATA - pg 5

OUT CC = ~~22.7~~ 12.1 JH 5/11/95 CH1 CC = 148.31 CH2 CC = ~~19.33~~ 10.1 JH 5/11/95

ACCEPTANCE CODES: A - ACCEPTABLE, R - RECONNAISSANCE, U - UNACCEPTABLE, N - NOT DETERMINED

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

Sally Brown 7/27/94 7/28/94 — FORM COMPLETED BY / DATE

[illegible] 10/12/94 — TECHNICAL REVIEWER / DATE

FIDLER MEASUREMENT DATA

FIDLER AOC 3

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

FACILITY CODE: MND 03 LOGGER CODE: SAIC
LOG DATE: 8/1/94 FIELD REP: Sally Brown
ACCEPTANCE CODE: A FIDLER NO.: 3

RATEMETER/SCALER:
MODEL NO.: 3228 SERIAL NO.: A701G CALIBRATION DATE: 6/1/94
WINDOW: out THRESHOLD: NA VOLTAGE: 1.41 BATTERY: 100%

NaI PROBE:
MODEL NO.: 3432 SERIAL NO.: A736P CALIBRATION DATE: 6/1/94

CHECK SOURCE:
ISOTOPE: Pu-238 ACTIVITY: 0.5 microcuries ~~DPM~~ DPH 7/8/94 SERIAL NO.: 29

SOURCE CHECK:
METER READING: 21,000 COUNTS/ 1 MIN = 21000 CPM
(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y)

CONTAMINATION CRITERIA: 99 ~~1.89~~ OUT OH 5/12/95 ~~12.48~~ ~~18.89~~ 9H 5/11/95 CH1 152.86 ~~15.0~~ CH2 ~~16.33~~ 9H 5/11/95 ~~10.22~~ 9H 4/28/95

COMMENTS: STD BKGD DATA - pg 6 8.1 Kcpm

FACILITY CODE: MND 03 LOGGER CODE: SAIC
LOG DATE: 8/2/94 FIELD REP: Sally Brown
ACCEPTANCE CODE: A FIDLER NO.: 3

RATEMETER/SCALER:
MODEL NO.: 3228 SERIAL NO.: A701G CALIBRATION DATE: 6/1/94
WINDOW: out THRESHOLD: NA VOLTAGE: 1.43 BATTERY: 98%

NaI PROBE:
MODEL NO.: 3432 SERIAL NO.: A736P CALIBRATION DATE: 6/1/94

CHECK SOURCE:
ISOTOPE: Pu-238 ACTIVITY: 0.5 microcuries ~~DPM~~ DPH 7/8/94 SERIAL NO.: 29

SOURCE CHECK:
METER READING: 21000 COUNTS/ 1 MIN = 21000 CPM
(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y)

CONTAMINATION CRITERIA: 9.3 ≈ 9.28 Kcpm OUT ~~18.0~~ 9H 5/11/95 ~~12.70~~ CH1 175.49 ~~182.0~~ CH2 ~~15.7~~ 9H 5/11/95 ~~9.75~~ 9H 4/28/95 7.75 Kcpm

COMMENTS: STD BKGD DATA - pg 7

ACCEPTANCE CODES: A - ACCEPTABLE, R - RECONNAISSANCE, U - UNACCEPTABLE, N - NOT DETERMINED

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

Sally Brown 8/1 & 8/2/94 FORM COMPLETED BY / DATE

Paul Brown 9/7/94 TECHNICAL REVIEWER / DATE

FIDLER SURVEY

AOC 3

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
3N01								
3N01-01	7/26/94	1	6.5	N	N	NA	NA	
3N01-02			7.0					
3N01-03			6.0					
3N01-04			6.5					
3N01-05			7.0					
3N01-06			7.0					
3N01-07			6.5					
3N01-08			6.0					
3N01-09			6.0					
3N01-10			5.0					
3N01-11			6.5					
3N01-12			6.0					
3N01-13			7.0					
3N01-14			6.5					
3N01-15			7.0					
3N01-16			7.0					
3N01-17			6.5					
3N01-18			7.5					
3N01-19			6.5					
3N01-20			6.5					
3N01-21			6.5					
3N01-22			6.5					
3N01-23			7.5					
3N01-24			8.0		Y			
3N01-25			7.0		N			
3O01	No Entry		JPH	8/19/94				
3N02	7/26/94	1	6.5	N	N	NA	NA	
3N02-01			6.5					
3N02-02			7.0					
3N02-03			7.5					
3N02-04			7.5					
3N02-05			7.0					

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FIDLER SURVEY

AOC 3

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
3N02-06	7/26/94	1	7.0	N	N	NA	NA	
3N02-07			8.0		Y			
3N02-08			7.5		N			
3N02-09			6.0					
3N02-10			6.5					
3N02-11			6.5					
3N02-12			7.0					
3N02-13			6.5					
3N02-14			5.5					
3N02-15			7.0					
3N02-16			5.5					
3N02-17			5.5					
3N02-18			5.5					
3N02-19			6.0					
3N02-20			6.0					
3N02-21			6.5					
3N02-22			5.5					
3N02-23			6.0					
3N02-24			5.5					
3N02-25			5.5					
3O02	No Entry			JPH 8/19/94				
3N03 ~~7/26~~	~~7/26~~ 7/26/94	1	4.5	N	N	NA	NA	
3N03-01	7/26/94		5.5					
3N03-02			6.5					
3N03-03			6.5					
3N03-04			5.5					
3N03-05			5.5					
3N03-06			5.0					
3N03-07			5.5					
3N03-08			6.0					
3N03-09			6.0					
3N03-10			5.0					
3N03-11			6.5					

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3N03-12	7/26/94	1	7.5	N	N	NA	NA	
3N03-13			5.5					
3N03-14			4.5					
3N03-15			6.0					
3N03-16			5.0					
3N03-17			5.5					
3N03-18			5.0					
3N03-19			5.5					
3N03-20			5.5					
3N03-21			5.5					
3N03-22			5.5					
3N03-23			5.0					
3N03-24			5.5					
3N03-25			6.0					
3O03	No Entry				JPH 8/19/94			
3N04	7/26/94	1	5.5	N	N	NA	NA	
3N04-01			5.0					
3N04-02			5.5					
3N04-03			5.0					
3N04-04			5.5					
3N04-05			5.5					
3N04-06			6.0					
3N04-07			6.0					
3N04-08			6.0					
3N04-09			NA	N	N	NA	NA	WOODED AREA
3N04-10			NA	N	N	NA	NA	WOODED AREA
3N04-11			NA	N	N	NA	NA	WOODED AREA
3N04-12			6.0	N	N	NA	NA	
3N04-13			6.0					
3N04-14			6.5					
3N04-15			6.0					
3N04-16			6.0					
3N04-17			6.0					

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FIDLER SURVEY

AOC 3

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
3N04-18	7/26/94	1	5.5	N	N	NA	NA	
3N04-19			5.5					
3N04-20			5.5					
3N04-21			5.5					
3N04-22			5.5					
3N04-23			6.0					
3N04-24			6.5					
3N04-25			6.5					
3O04	No Entry		JPH	8/19/94				
3N05	7/26/94	1	5.0	N	N	NA	NA	
3N05-01	7/26/94	1	5.0					
3N05-02			6.0					
3N05-03			6.0					
3N05-04			6.5					
3N05-05			6.5					
3N05-06			8.5		Y			
3N05-07			7.5		N			
3N05-08			6.5					
3N05-09			NA		NA			thick brush
3N05-10					NA			
3N05-11					NA			
3N05-12					NA			
3N05-13			7.5		N			
3N05-14			7.0					
3N05-15			7.0					
3N05-16			6.5					
3N05-17			6.5					
3N05-18			6.5					
3N05-19			NA					
3N05-20			NA					
3N05-21			6.5					
3N05-22			6.5					
3N05-23			6.5					

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FIDLER SURVEY

AOC 3

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
3N05-24	7/26/94	1	6.5	N	N	NA	NA	
3N05-25	7/26/94	1	6.5	N	N	NA	NA	
3O05	No Entry		JPH 8/19/94					
3N06	7/26/94	1	7.5	N	N	NA	NA	
3N06-01			7.0					
3N06-02			6.5					
3N06-03			7.0					
3N06-04			7.0		Y			
3N06-05			8.0		Y			
3N06-06			8.0					
3N06-07			8.0		Y			
3N06-08			6.5		N			
3N06-09			6.5					
3N06-10			6.5					
3N06-11			7.0					
3N06-12			7.0					
3N06-13			7.0		Y			
3N06-14			8.0		Y			
3N06-15			8.0					
3N06-16			8.0					
3N06-17			8.5		Y			
3N06-18			7.5		N			
3N06-19			7.5					
3N06-20			7.5		Y			
3N06-21			8.0		Y			
3N06-22			8.0		Y			
3N06-23			7.5		N			
3N06-24			8.5		Y			
3N06-25			8.5		Y			
3O06	No Entry		JPH 8/19/94					
3N07	7/26/94	1	7.5	N	N	NA	NA	

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SB 7-27

FIDLER SURVEY

AOC 3

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
3N07-01			JPH 8/19/94					
3N07-02								
3N07-03	7/26/94	1	7.5	N	N	NA	NA	
3N07-04			7.5					
3N07-05			8.0		Y 9/14/95			
3N07-06			8.0					
3N07-07			7.5		N			
3N07-08			7.5					
3N07-09		SB 7-27-94						
3N07-10		SB 7-27-94						
3N07-11		SB 7-27-94						
3N07-12		SB 7-27-94						
3N07-13	7/26/94	1	7.5	N	N	NA	NA	
3N07-14			7.0					
3N07-15			7.5					
3N07-16			7.5					
3N07-17			7.5					
3N07-18			7.5					
3N07-19								
3N07-20								
3N07-21	26 LMM 10-12-94							
3N07-22	7/~~26~~/94	1	7.0	N	N	NA	NA	
3N07-23			7.5					
3N07-24			7.0					
3N07-25			7.5					
3O07	No Entry		JPH 8/19/94					
3N08	7/26/94	1	6.5	N	~~N~~ Y JPH 5/14/95	NA	NA	
3N08-01	7/26/94	1	6.5	N	N	NA	NA	
3N08-02			7.5					
3N08-03			7.5					
3N08-04			8.0		Y			
3N08-05			8.0					
3N08-06			7.5		N JPH 5/14/95			

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3N08-07	7/26/94	1	7.0	N	N	NA	NA	
3N08-08			8.0		Y			
3N08-09			8.0					
3N08-10			8.0					
3N08-11			7.5		N			
3N08-12			7.0					
3N08-13			7.5					
3N08-14			8.5		Y			
3N08-15			9.5					
3N08-16			8.5					
3N08-17			8.0					
3N08-18			7.5		N			
3N08-19			7.5					
3N08-20			8.0		Y			
3N08-21			7.5		N			
3N08-22			7.5					
3N08-23			7.0					
3N08-24			8.0		Y			
3N08-25			8.5					
3O08					JH 5/11/95			
3A09								NOT ON MAP
3A09-01								
3A09-02			JDH 8/19/94					
3A09-03								
3A09-04								
3A09-05								
3A09-06								
3A09-07								
3A09-08								
3A09-09								
3A09-10								
3A09-11								
3A09-12								

FIDLER SURVEY

AOC 3

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3F09-18								
3F09-19								
3F09-20			JDH 8/19/94					
3F09-21								
3F09-22								
3F09-23								
3F09-24								
3F09-25								
3G09								
3G09-01	7/27/94		7.0	N	N	NA	NA	
3G09-02			6.0					
3G09-03			5.5					
3G09-04			CP 7/27/94 ~~7.0~~ 5.0					
3G09-05			5.5					
3G09-06			5.5					
3G09-07			6.0					
3G09-08			7.0					
3G09-09			7.0					
3G09-10			7.0					
3G09-11			7.0					
3G09-12			8.0					
3G09-13			9.0					
3G09-14			6.5					
3G09-15			7.0					
3G09-16			8.0					
3G09-17			CP 7/27/94 ~~26.0~~ 32.0	N	Y	NE	3	
3G09-18			7.0	N	N	NA	NA	
3G09-19			6.5					
3G09-20			6.5					
3G09-21			6.5					
3G09-22			7.0					
3G09-23			7.5					
3G09-24			8.0					
3G09-25			6.0					

FIDLER SURVEY

AOC 3

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

PROJECT NO.: 34896

LOCATION ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3H09								
3H09-01	7/27/94	1	5.0	N	N	NA	NA	
3H09-02	7/27/94	1	5.0	1	1	1	1	
3H09-03	1	1	5.0	1	1	1	1	
3H09-04	1	1	5.5	1	1	1	1	
3H09-05	1	1	6.0	1	1	1	1	
3H09-06	1	1	5.5	1	1	1	1	
3H09-07	1	1	5.0	1	1	1	1	
3H09-08	1	1	5.0	1	1	1	1	
3H09-09	1	1	5.0	1	1	1	1	
3H09-10	1	1	5.0	1	1	1	1	
3H09-11	1	1	6.5	1	1	1	1	
3H09-12	1	1	5.0	1	1	1	1	
3H09-13	1	1	5.0	1	1	1	1	
3H09-14	1	1	5.5	1	1	1	1	
3H09-15	1	1	5.5	1	1	1	1	
3H09-16	1	1	5.5	1	1	1	1	
3H09-17	1	1	5.5	1	1	1	1	
3H09-18	1	1	5.5	1	1	1	1	
3H09-19	1	1	6.0	1	1	1	1	
3H09-20	1	1	6.5	1	1	1	1	
3H09-21	1	1	6.5	1	1	1	1	
3H09-22	1	1	6.5	1	1	1	1	
3H09-23	1	1	5.5	1	1	1	1	
3H09-24	1	1	5.5	1	1	1	1	
3H09-25	↓	↓	6.0	↓	↓	↓	↓	
3I09								endpoint
3I09-01								
3I09-02			JPH 8/19/94					
3I09-03								
3I09-04								
3I09-05								
3I09-06								

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FIDLER SURVEY

AOC 3

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
3K09-23								
3K09-24			JPH 8/19/94					
3K09-25								
3L09								
3L09-01	7/27/94	1	10.0	N	N	NA	NA	
3L09-02			9.0					
3L09-03			9.0					
3L09-04			9.5					
3L09-05			10.0					
3L09-06			10.0					
3L09-07			9.0					
3L09-08			9.5					
3L09-09			8.5					
3L09-10			8.5					
3L09-11			7.5					
3L09-12			8.5					
3L09-13			9.5					
3L09-14			9.0					
3L09-15			10.5					
3L09-16			9.5					
3L09-17			9.5					
3L09-18			11.0					
3L09-19			12.5		Y			
3L09-20			9.0		N			
3L09-21			22.0		Y	whole	pg3	
3L09-22			23.0					
3L09-23			15.0		N	NA		
3L09-24			10.0		N	NA	NA	
3L09-25			9.5		N	NA	NA	
3M09								
3M09-01	7/26/94	1	9.0	N	Y N	NA	NA	
3M09-02			9.5					
3M09-03			8.5					

FIDLER SURVEY

AOC 3

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
3M09-04	7/26/94	1	7.0	N	N	NA	NA	
3M09-05			7.5					
3M09-06			7.5					
3M09-07			7.0					
3M09-08			9.0					
3M09-09			9.0					
3M09-10			8.0					
3M09-11			8.0					
3M09-12			8.0					
3M09-13			7.0		N			
3M09-14			7.0					
3M09-15			7.0					
3M09-16			7.0					
3M09-17			7.0					
3M09-18			7.0					
3M09-19			8.0					
3M09-20			8.0					
3M09-21			9.5					
3M09-22			~~9.5~~ 6.0		N			
3M09-23			6.0					
3M09-24			6.0					
3M09-25			6.0					
3N09	26 10-12-94							
3N09-01	7/~~25~~/94	1	7.5	N	N	NA	NA	
3N09-02			8.5		Y			
3N09-03			6.5		N			
3N09-04			6.5					
3N09-05			7.5					
3N09-06			7.5					
3N09-07			7.5					
3N09-08			7.5					
3N09-09			7.0					
3N09-10			7.0					
3N09-11			8.0		~~N~~ Y			

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FIDLER SURVEY

AOC 3

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
3N09-12	7/26/94	1	7.5	N	N	N/A	N/A	
3N09-13			7.5					
3N09-14			8.5		Y 9/15/96			
3N09-15			8.0					
3N09-16			8.0					
3N09-17			7.5		N			
3N09-18			7.0					
3N09-19			6.5					
3N09-20			7.0					
3N09-21			6.5					
3N09-22			6.5					
3N09-23			8.5		Y 9/15/96			
3N09-24			8.0					
3N09-25			6.5		N JH 5/1/95			
3O09								
3A10								NO POINT
3A10-01								
3A10-02								
3A10-03			JPH 8/19/94					
3A10-04								
3A10-05								
3A10-06								
3A10-07								
3A10-08								
3A10-09								
3A10-10								
3A10-11								
3A10-12								
3A10-13								
3A10-14								
3A10-15								
3A10-16								
3A10-17								

FIDLER SURVEY

AOC 3

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

LOCATION ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3D10-07								
3D10-08								
3D10-09								
3D10-10								
3D10-11								
3D10-12								
3D10-13								
3D10-14				8/9/94				
3D10-15								
3D10-16								
3D10-17								
3D10-18								
3D10-19								
3D10-20								
3D10-21								
3D10-22								
[illegible]-23								
3D10-24								
3D10-25								
[illegible]								
3.00E+10								
3E10-01	7/27/94	1	9.0	N	N	NA	NA	
3E10-02			8.5					
3E10-03			8.5					
3E10-04			8.5					
3E10-05			8.0					
3E10-06			10.0					
3E10-07			9.5					
3E10-08			10.0					
3E10-09			10.5					
3E10-10			10.5					
3E10-11			9.0					
3E10-12			10.0					
[illegible]-13			10.0					
3E10-14			9.5					

AOC 3 OU5 SDR

FIDLER SURVEY

AOC 3

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
3E10-15	7/27/94	1	9.0	N	N	NA	NA	
3E10-16			9.5					
3E10-17			10.0					
3E10-18			10.0					
3E10-19			10.0					
3E10-20			10.0					
3E10-21			9.5					
3E10-22			9.5					
3E10-23			9.5					
3E10-24			9.5					
3E10-25			8.5					
3F10								
3F10-01	7/27/94	1	10.0	N	N	NA	NA	
3F10-02			19.0		~~Y~~ N	N/W	Pg 3	
3F10-03			12.0		Y	NA	NA	
3F10-04			SB 7-27-94 ~~4.0~~ 9.5		N			
3F10-05			14.0		Y			
3F10-06			9.5		N			
3F10-07			8.5					
3F10-08			8.5					
3F10-09			8.5					
3F10-10			10.0					
3F10-11			10.0					
3F10-12			8.5					
3F10-13			8.0					
3F10-14			SB 7-27-94 ~~4.5~~ 7.5					
3F10-15			7.0					
3F10-16			9.0					
3F10-17			8.5					
3F10-18			8.5					
3F10-19			9.5					
3F10-20			9.0					
3F10-21			8.5					
3F10-22			9.0					

FIDLER SURVEY

AOC 3

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
3F10-23	7/27/94	1	8.5	N	N	NA	NA	
3F10-24	↓	↓	8.5	↓	↓	↓	↓	
3F10-25	↓	↓	9.0	↓	↓	↓	↓	
3G10								
3G10-01	7/26/94	1	8.5	N	~~N~~ Y (Qt 6/11/95)	NA	NA	
3G10-02	↓	↓	8.5	↓	↓	↓	↓	
3G10-03	↓	↓	8.0	↓	↓	↓	↓	
3G10-04	↓	↓	7.0	↓	N	↓	↓	
3G10-05	↓	↓	7.0	↓	↓	↓	↓	
3G10-06	↓	↓	7.0	↓	↓	↓	↓	
3G10-07	↓	↓	7.0	↓	↓	↓	↓	
3G10-08	↓	↓	8.5	↓	↓	↓	↓	
3G10-09	↓	↓	8.5	↓	↓	↓	↓	
3G10-10	↓	↓	9.0	↓	↓	↓	↓	
3G10-11	↓	↓	7.5	↓	N	↓	↓	
3G10-12	↓	↓	7.5	↓	↓	↓	↓	
3G10-13	↓	↓	7.5	↓	↓	↓	↓	
3G10-14	↓	↓	7.5	↓	↓	↓	↓	
3G10-15	↓	↓	8.0	↓	↓	↓	↓	
3G10-16	↓	↓	7.5	↓	N	↓	↓	
3G10-17	↓	↓	7.5	↓	↓	↓	↓	
3G10-18	↓	↓	8.0	↓	↓	↓	↓	
3G10-19	↓	↓	9.0	↓	↓	↓	↓	
3G10-20	↓	↓	9.0	↓	↓	↓	↓	
3G10-21	↓	↓	9.5	↓	↓	↓	↓	
3G10-22	↓	↓	9.5	↓	↓	↓	↓	
3G10-23	↓	↓	9.5	↓	↓	↓	↓	
3G10-24	↓	↓	9.0	↓	↓	↓	↓	
3G10-25	↓	↓	9.5	↓	↓	↓	↓	
3H10								
3H10-01	7/27/94	1	7.0	N	N	NA	NA	
3H10-02	↓	↓	6.5	↓	↓	↓	↓	
3H10-03	↓	↓	7.5	↓	↓	↓	↓	

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FIDLER SURVEY

AOC 3

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
3H10-04	7/27/94	1	6.5	N	N	NA	NA	
3H10-05			6.5					
3H10-06			7.5					
3H10-07			7.5					
3H10-08			7.5					
3H10-09			7.5					
3H10-10			7.0					
3H10-11			7.5					
3H10-12			7.5					
3H10-13			8.0					
3H10-14			8.0					
3H10-15			8.0					
3H10-16			7.5					
3H10-17			7.5					
3H10-18			7.0					
3H10-19			SD 8.27 ~~7.3~~ 7.5					
3H10-20			7.5					
3H10-21			7.5					
3H10-22			7.0					
3H10-23			7.0					
3H10-24			7.0					
3H10-25			7.5					
3I10								
3I10-01	7/27/94	1	CP 5/27/94 ~~7.5~~ 7.0	N	N	NA	NA	
3I10-02			7.5					
3I10-03			7.5					
3I10-04			7.5					
3I10-05			9.0					
3I10-06			8.5					
3I10-07			7.5					
3I10-08			7.5					
3I10-09			7.0					
3I10-10			8.0					
3I10-11			8.0					

FIDLER SURVEY

AOC 3

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
3I10-12	7/27/94	1	8.0	N	N	NA	NA	
3I10-13			8.0					
3I10-14			10.0					
3I10-15			10.0					
3I10-16			7.0					
3I10-17			9.0					
3I10-18			9.0					
3I10-19			7.5					
3I10-20			7.5					
3I10-21			7.0					
3I10-22			8.0					
3I10-23			22.0		Y	NW	3	
3I10-24			8.5		N	NA	NA	
3I10-25			6.0					
3J10								
3J10-01	7/27/94	1	10.5	N	N	NA	NA	
3J10-02			8.5					
3J10-03			8.5					
3J10-04			8.0					
3J10-05			9.0					
3J10-06			8.5					
3J10-07			8.0					
3J10-08			8.5					
3J10-09			9.0					
3J10-10			10.0					
3J10-11			9.0					
3J10-12			7.0					
3J10-13			NA		NA			building 55
3J10-14			6.5		N			
3J10-15			9.5					
3J10-16			6.5					
3J10-17			NA		NA			building 55
3J10-18								
3J10-19								

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FIDLER SURVEY

AOC 3

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
3J10-20	7/27/94	1	NA	N	NA	NA	NA	building 55
3J10-21	↓	↓	↓	↓	↓	↓	↓	↓
3J10-22								
3J10-23			↓		↓			↓
3J10-24			7.5		N			
3J10-25	↓	↓	9.0	↓	N	↓	↓	
3K10								
3K10-01	7/27/94	1	SB 7-27-94 ~~8.5~~ 8.5	N	N	NA	NA	
3K10-02			SB 7-27-94 ~~7.5~~ 8.5					
3K10-03			SB 7-27-94 ~~7.0~~ 8.5					
3K10-04			SB 7-27-94 ~~7.0~~ 9.5					
3K10-05			SB 7-27-94 ~~10.5~~ 10.5					
3K10-06			SB 7-27-94 ~~10.0~~ 10.5					
3K10-07			SB 7-27-94 ~~9.5~~ 9.5					
3K10-08			SB 7-27-94 ~~10.0~~ 9.5					
3K10-09			SB 7-27-94 ~~9.5~~ 9.5					
3K10-10			SB 7-27-94 ~~9.0~~ 10.0					
3K10-11			SB 7-27-94 ~~8.0~~ 10.0					
3K10-12			SB 7-27-94 ~~7.5~~ 10.0					
3K10-13			SB 7-27-94 ~~8.5~~ 10.5					
3K10-14			SB 7-27-94 ~~9.5~~ 9.5					
3K10-15			SB 7-27-94 ~~9.5~~ 11.5					
3K10-16			SB 7-27-94 ~~8.5~~ 10.0					
3K10-17			SB 7-27-94 ~~7.0~~ 9.0					
3K10-18			SB 7-27-94 ~~6.5~~ 9.0					
3K10-19			SB 7-27-94 ~~NA~~ 10.0					~~SB 7-27 BLDG 55~~
3K10-20			SB 7-27-94 ~~NA~~ 9.0					~~SB 7-27 BLDG 55~~
3K10-21			SB 7-27-94 ~~NA~~ 9.5					~~SB 7-27 BLDG 55~~
3K10-22			SB 7-27-94 ~~NA~~ 9.0					~~SB 7-27 BLDG 55~~
3K10-23			SB 7-27-94 ~~NA~~ 9.5					~~SB 7-27 BLDG 55~~
3K10-24			SB 7-27-94 ~~7.0~~ 10.5					
3K10-25	↓	↓	SB 7-27-94 ~~9.0~~ 9.5	↓	↓	↓	↓	
3L10								

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
3L10-01	7/27/94	1	27.0	N	~~Y~~ X	NW	pg 3	
3L10-02			18.0					
3L10-03			16.0					
3L10-04			10.0		N	NA	NA	
3L10-05			12.0		Y			
3L10-06			11.5		N			
3L10-07			10.0					
3L10-08			13.0		Y	Y		
3L10-09			15.5		~~Y~~ X		pg 3	
3L10-10			~~7.5~~ 11.5		N		N	
3L10-11			14.0		Y			
3L10-12			13.5					
3L10-13			9.0		N			
3L10-14			7.0					
3L10-15			9.0					
3L10-16			7.5					
3L10-17			6.5					
3L10-18			7.0					
3L10-19			7.0					
3L10-20			11.0					
3L10-21			6.5					
3L10-22			6.5					
3L10-23			7.5					
3L10-24			7.0					
3L10-25			6.5					
3M10	7/27/94							
3M10-01	~~7/26/94~~	1	11.5	N	N	NA	NA	
3M10-02	7/26/94		8.5		~~N~~ Y	NA	NA	
3M10-03			6.0		N			
3M10-04			6.5					
3M10-05			6.5					
3M10-06			6.5					
3M10-07			~~7.5~~					
3M10-08			7.5					

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FIDLER SURVEY

AOC 3

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
3M10-09	7/26/94	1	8.0	N	~~Y~~ N	NA	NA	
3M10-10			8.0					
3M10-11			7.5		N			
3M10-12			7.5					
3M10-13			7.5					
3M10-14			8.0					
3M10-15			8.0					
3M10-16			10.5				Pg2	
3M10-17			11.5					
3M10-18			10.0					
3M10-19			7.5		N	NA	NA	
3M10-20			6.5					
3M10-21			7.0					
3M10-22			7.5					
3M10-23			13.5		Y	NW	Pg2	
3M10-24			10.5		Y			
3M10-25			12.5		Y			
3N10	26 10-12-94							
3N10-01	7/~~25~~/94	1	6.5	N	N	NA	NA	
3N10-02			6.5					
3N10-03			7.0					
3N10-04			7.5					
3N10-05			6.5					
3N10-06			7.0					
3N10-07			7.5					
3N10-08			8.0		Y			
3N10-09			8.0					
3N10-10			7.0		N			
3N10-11			8.5					
3N10-12			9.5					
3N10-13			12.5			SW	Pg2	
3N10-14			10.0		N Y	NA	NA	
3N10-15			9.0					
3N10-16			9.5					

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
3N10-17	7/25/94	1	11.0	N	N Y Y	whole	pg2	
3N10-18	26		12.5	N	Y	whole	pg2	
3N10-19			12.5	N	Y	whole	pg2	
3N10-20			12.5	N	Y	whole	pg2	
3N10-21			13.0	N	Y	whole	pg2	
3N10-22			12.0	N	Y	whole	pg2	
3N10-23			9.5	N	N	NA	NA	
3N10-24			9.0		N	NA	NA	
3N10-25			8.5		N	NA	NA	
3O10								
3A11								NO PAINT
3A11-01								
3A11-02								
3A11-03								
3A11-04								
3A11-05								
3A11-06			JPH 8/19/94					
3A11-07								
3A11-08								
3A11-09								
3A11-10								
3A11-11								
3A11-12								
3A11-13								
3A11-14								
3A11-15								
3A11-16								
3A11-17								
3A11-18								
3A11-19								
3A11-20								
3A11-21								
3A11-22								

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FIDLER SURVEY

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

PROJECT NO. AOC 3

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3A11-23								
3A11-24			8/19/94					
3A11-25								
3B11								
3B11-01	7/27/94	1	6.5	N	N	NA	NA	
3B11-02			6.5					
3B11-03			6.5					
3B11-04			7.0					
3B11-05			7.0					
3B11-06			7.0					
3B11-07			7.0					
3B11-08			6.5					
3B11-09			6.5					
3B11-10			6.0					
3B11-11			6.0					
3B11-12			6.5					
3B11-13			6.5					
3B11-14			SB 3-27-94 ~~7.5~~ 7.5					
3B11-15			7.0					
3B11-16			7.0					
3B11-17			6.5					
3B11-18			7.0					
3B11-19			6.5					
3B11-20			6.5					
3B11-21			5.5					
3B11-22			6.0					
3B11-23			7.5					
3B11-24			6.5					
3B11-25			7.0					
3C11								
3C11-01	7/27/94	1	7.0	N	N	NA	NA	
3C11-02			7.0					
3C11-03			6.5					

FIDLER SURVEY

AOC 3

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
3C11-04	7/27/94	1	6.5	N	N	NA	NA	
3C11-05			6.5					
3C11-06			6.5					
3C11-07			6.5					
3C11-08			7.5					
3C11-09			7.0					
3C11-10			7.0					
3C11-11			6.5					
3C11-12			6.5					
3C11-13			7.0					
3C11-14			6.5					
3C11-15			6.5					
3C11-16			7.0					
3C11-17			6.5					
3C11-18			6.5					
3C11-19			7.5					
3C11-20			7.0					
3C11-21			8.0					
3C11-22			7.5					
3C11-23			7.5					
3C11-24			6.5					
3C11-25			7.5					
3D11								
3D11-01	7/27/94	1	6.5	N	N	NA	NA	
3D11-02			6.5					
3D11-03			8.5					
3D11-04			8.5					
3D11-05			8.0					
3D11-06			8.0					
3D11-07			8.0					
3D11-08			7.5					
3D11-09			7.5					
3D11-10			6.5					
3D11-11			6.5					

FIDLER SURVEY

AOC 3

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT No.:

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENT
3D11-12	7/27/94	1	8.5	N	N	NA	NA	
3D11-13			8.5					
3D11-14			8.0					
3D11-15			7.0					
3D11-16			8.5					
3D11-17			9.0					
3D11-18			8.0					
3D11-19			7.0					
3D11-20			6.5					
3D11-21			7.5					
3D11-22			7.5					
3D11-23			7.0					
3D11-24			9.0					
3D11-25			7.0					
3.00E+11								
3E11-01	7/27/94	1	7.0	N	N	NA	NA	
3E11-02			7.0					
3E11-03			7.0					
3E11-04			7.5					
3E11-05			8.0					
3E11-06			8.5					
3E11-07			8.0					
3E11-08			8.0					
3E11-09			7.5					
3E11-10			7.0					
3E11-11			8.0					
3E11-12			8.0					
3E11-13			8.5					
3E11-14			8.5					
3E11-15			7.5					
3E11-16			9.0					
3E11-17			8.5					
3E11-18			9.0					
3E11-19			9.0					

FIDLER SURVEY

AoC 3

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

PROJECT NO.: 34896

LOCATION ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3E11-20	7/27/94	1	8.5	N	N	NA	NA	
3E11-21			9.0					
3E11-22			8.5					
3E11-23			9.5					
3E11-24			9.0					
3E11-25			9.0					
3F11								
3F11-01	7/27/94	1	7.5	N	N	NA	NA	
3F11-02			8.0					
3F11-03			8.5					
3F11-04			8.0					
3F11-05			8.5					
3F11-06			9.0					
3F11-07			7.5					
3F11-08			7.5					
3F11-09			7.5					
3F11-10			8.0					
3F11-11			8.5					
3F11-12			7.5					
3F11-13			8.5					
3F11-14			8.0					
3F11-15			8.0					
3F11-16			8.5					
3F11-17			8.0					
3F11-18			8.0					
3F11-19			8.0					
3F11-20			8.0					
3F11-21			9.0					
3F11-22			10.0					
3F11-23			10.5					
3F11-24			9.5					
3F11-25			11.0					
3G11								

AoC SDR

FIDLER SURVEY

AOC 3

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 3

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3G11-01	7/27/94	1	8.0	N	N	NA	NA	
3G11-02			8.0					
3G11-03			8.5					
3G11-04			8.5					
3G11-05			8.5					
3G11-06			8.0					
3G11-07			8.5					
3G11-08			8.5					
3G11-09			9.0					
3G11-10			9.0					
3G11-11			9.5					
3G11-12			9.0					
3G11-13			9.5					
3G11-14			9.0					
3G11-15			9.5					
3G11-16			9.5					
3G11-17			9.0					
3G11-18			8.5					
3G11-19			8.5					
3G11-20			8.5					
3G11-21			11.0					
3G11-22			11.0					
3G11-23			10.0					
3G11-24			10.0					
3G11-25			9.0					
3H11								
3H11-01	7/27/94	1	8.5	N	N	NA	NA	
3H11-02			6.5					
3H11-03			5.5					
3H11-04			6.5					
3H11-05			6.5					
3H11-06			6.5					
3H11-07			6.5					
3H11-08			8.5					

FIDLER SURVEY

AOC 3

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
3H11-09	7/27/94	1	8.5	N	N	NA	NA	
3H11-10			8.5					
3H11-11			8.5					
3H11-12			9.0					
3H11-13			8.5					
3H11-14			7.0					
3H11-15			7.0					
3H11-16			7.0					
3H11-17			7.5					
3H11-18			7.5					
3H11-19			8.0					
3H11-20			8.5					
3H11-21			8.0					
3H11-22			8.5					
3H11-23			8.0					
3H11-24			7.5					
3H11-25			7.5					
3I11								
3I11-01	7/27/94	1	5.0	N	N	NA	NA	
3I11-02			6.0					
3I11-03			7.0					
3I11-04			6.0					
3I11-05			NA	NA	NA	NA	NA	BLDG 55
3I11-06			6.0	N	N	NA	NA	
3I11-07			6.0					
3I11-08			5.5					
3I11-09			5.0					
3I11-10			4.5					
3I11-11			6.0					
3I11-12			6.0					
3I11-13			5.0					
3I11-14			6.0					
3I11-15			6.0					
3I11-16			5.0					

FIDLER SURVEY

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

AOC 3

PROJECT NO.:

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENT
3I11-17	7/27/94		5.5	N	N	NA	NA	
3I11-18			6.5					
3I11-19			8.0					
3I11-20			8.0					
3I11-21			8.0					
3I11-22			8.0					
3I11-23			6.0					
3I11-24			6.5					
3I11-25			5.5					
3J11								
3J11-01	7/27/94		Na	Na	Na	NA	NA	building 55
3J11-02	7/27/94							
3J11-03								
3J11-04			6.5	N	N			
3J11-05			8.5					
3J11-06			8.5					
3J11-07			6.5					
3J11-08			6.5					
3J11-09			NA	NA	Na			building 55
3J11-10				NA	Na			
3J11-11			7/27/94 5.5	N	N			7/27/94
3J11-12			7/27/94 6.0					7/27/94
3J11-13			6.5					
3J11-14			6.5					
3J11-15			8.5					
3J11-16			7.0					
3J11-17			6.0					
3J11-18			6.0					
3J11-19			5.[illegible]					
3J11-20			5.0					
3J11-21			5.0					
3J11-22			5.0					
3J11-23			2.5					
3J11-24			6.0					

FIDLER SURVEY

AOC 3

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
3J11-25	7/27/94	1	6.0	N	N	NA	NA	
3K11								
3K11-01	7/27/94	1	9.5	N	N	NA	NA	
3K11-02			7.5					
3K11-03			8.0					
3K11-04	7/27/94	1	9.0	N	N	NW	PL	
3K11-05	7/27/94	1	7.0	N	N	NA	NA	
3K11-06			6.0					
3K11-07			5.5					
3K11-08			8.5					
3K11-09			9.0					
3K11-10			8.5					
3K11-11			8.5					
3K11-12			8.0					
3K11-13			7.5					
3K11-14			6.5					
3K11-15			5.5					
3K11-16			5.0					
3K11-17			5.5					
3K11-18			6.0					
3K11-19			6.5					
3K11-20			7.0					
3K11-21			6.0					
3K11-22			6.5					
3K11-23			6.0					
3K11-24			5.0					
3K11-25			5.5					
3L11								
3L11-01	7/27/94	1	6.0	N	N	NA	NA	
3L11-02			6.0					
3L11-03			6.0					
3L11-04			6.5					
3L11-05			7.5					

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FIDLER SURVEY

AOC 3

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
3L11-06	7/27/94	1	7.0	N	N	NA	NA	
3L11-07			6.5					
3L11-08			6.0					
3L11-09			6.0					
3L11-10			5.5					
3L11-11			5.0					
3L11-12			5.0					
3L11-13			6.5					
3L11-14			7.5					
3L11-15			8.0					
3L11-16			8.0					
3L11-17			7.5					
3L11-18			6.5					
3L11-19			5.5					
3L11-20			5.0					
3L11-21			5.5					
3L11-22			6.0					
3L11-23			7.5					
3L11-24			9.0					
3L11-25	7/27/94		9.0					
3M11								
3M11-01	7/26/94	1	7.0	N	N	NA	NA	
3M11-02			7.0					
3M11-03			8.0					
3M11-04			8.0					
3M11-05			8.0					
3M11-06			8.5					
3M11-07			8.0					
3M11-08			7.0					
3M11-09			7.5					
3M11-10			7.0					
3M11-11			7.5					
3M11-12			8.0					
3M11-13			8.0					

gt 5/11/95

FIDLER SURVEY

AOC 3

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
3M11-14	7/26/94		8.0	N	~~N~~ Y	NA	NA	
3M11-15			8.0					
3M11-16			8.0					
3M11-17			8.0					
3M11-18			8.0					
3M11-19			7.0		N			
3M11-20			7.5					
3M11-21			8.0		Y			
3M11-22			8.0					
3M11-23			8.0					
3M11-24			8.5					
3M11-25			8.5					
3N11								
3N11-01	7/26/94	1	9.0	N	Y	NA	NA	
3N11-02			10.0	N	Y	N		
3N11-03			10.0	N	Y	N		
3N11-04			9.5	N	~~N~~ Y	NA	NA	
3N11-05			8.5					
3N11-06			8.5					
3N11-07			9.5					
3N11-08			9.0					
3N11-09			8.5					
3N11-10			8.0					
3N11-11			8.5					
3N11-12			9.0					
3N11-13			8.0					
3N11-14			8.0					
3N11-15			8.0					
3N11-16			9.0					
3N11-17			9.0					
3N11-18			8.5					
3N11-19			9.0					
3N11-20			8.0					
3N11-21			8.5					

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FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	SECTOR	REF	COMMENTS
3N11-22	7/26/94	1	9.0	N	~~Y~~	NA	NA	
3N11-23			9.0					
3N11-24			9.0					
3N11-25			9.5					
3O11	No Entry		JPH 8/19/94					
3A12	7/27/94	1	6.0	N	N	NA	NA	
3A12-01			6.5					
3A12-02			7.5					
3A12-03			7.5					
3A12-04			6.0					
3A12-05			6.0					
3A12-06			6.5					
3A12-07			7.5					
3A12-08			6.0					
3A12-09			6.0					
3A12-10			5.5					
3A12-11			6.5					
3A12-12			6.5					
3A12-13			5.5					
3A12-14			5.5					
3A12-15			5.5					
3A12-16			5.5					
3A12-17			6.0					
3A12-18			5.5					
3A12-19			5.5					
3A12-20			5.0					
3A12-21			5.5					
3A12-22			5.5					
3A12-23			5.5					
3A12-24			~~5.5~~ 6.5					
3A12-25			7.5					
3B12								

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3B12-01	7/27/94	1	~~9.5~~ 5.5	N	N	NA	NA	
3B12-02			6.0					
3B12-03			7.5					
3B12-04			9.0					
3B12-05			8.5					
3B12-06			13.0					
3B12-07			8.5					
3B12-08			8.5					
3B12-09			6.0					
3B12-10			6.0					
3B12-11			5.5					
3B12-12			6.0					
3B12-13			6.0					
3B12-14			5.5					
3B12-15			5.5					
3B12-16			5.5					
3B12-17			6.5					
3B12-18			6.0					
3B12-19			5.5					
3B12-20			7.0					
3B12-21			6.0					
3B12-22			5.5					
3B12-23			6.5					
3B12-24			7.0					
3B12-25			5.5					
3C12								
3C12-01	7/27/94	1	8.0	N	N	NA	NA	
3C12-02			6.5					
3C12-03			7.0					
3C12-04			8.5					
3C12-05			6.5					
3C12-06			7.5					
3C12-07			6.0					
3C12-08			6.0					

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FIDLER SURVEY

AOC 3

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
3C12-09	7/27/94	[illegible]	6.5	N	N	NA	NA	
3C12-10			6.5					
3C12-11			5.5					
3C12-12			5.0					
3C12-13			5.0					
3C12-14			5.5					
3C12-15			5.5					
3C12-16			5.5					
3C12-17			5.0					
3C12-18			5.0					
3C12-19			5.5					
3C12-20			5.5					
3C12-21			5.5					
3C12-22			5.5					
3C12-23			5.5					
3C12-24			5.5					
3C12-25			5.5					
3D12								
3D12-01	7/27/94		6.5	N	N	NA	NA	
3D12-02			6.5					
3D12-03			8.5					
3D12-04			10.5					
3D12-05			10.5					
3D12-06			7.0					
3D12-07			7.0					
3D12-08			6.5					
3D12-09			6.5					
3D12-10			6.5					
3D12-11			5.0					
3D12-12			5.0					
3D12-13			5.0					
3D12-14			5.0					
3D12-15			5.5					
3D12-16			5.0					

FIDLER SURVEY

AOC 3

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
3D12-17	7/27/94	1	5.0	N	N	NA	NA	
3D12-18			5.0					
3D12-19			5.0					
3D12-20			4.5					
3D12-21			5.0					
3D12-22			5.0					
3D12-23			5.0					
3D12-24			5.5					
3D12-25			5.5					
3.00E+12								
3E12-01	7/27/94	1	9.0	N	N	NA	NA	
3E12-02			10.0					
3E12-03			7/27 ~~11.0~~ 13.0					
3E12-04			7/27 ~~13.0~~ 11.0		N			
3E12-05			9.5					
3E12-06			9.5					
3E12-07			7.0					
3E12-08			7.0					
3E12-09			9.0					
3E12-10			10.0					
3E12-11			6.5					
3E12-12			6.5					
3E12-13			5.5					
3E12-14			7.5					
3E12-15			8.0					
3E12-16			6.0					
3E12-17			5.5					
3E12-18			5.5					
3E12-19			5.0					
3E12-20			5.5					
3E12-21			5.5					
3E12-22			5.5					
3E12-23			5.5					
3E12-24			5.0					

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FIDLER SURVEY

AOC 3

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
3E12-25	7/27/94	1	5.5	N	N	NA	NA	
3F12								
3F12-01	7/27/94	1	8.5	N	N	NA	NA	
3F12-02			9.5					
3F12-03			10.0					
3F12-04			12.0					
3F12-05			12.5					
3F12-06			11.0		N			
3F12-07			11.5					
3F12-08			12.5					
3F12-09			11.5		N			
3F12-10			11.0					
3F12-11			12.5					
3F12-12			12.0					
3F12-13			11.0		N			
3F12-14			9.0					
3F12-15			11.5					
3F12-16			8.5					
3F12-17			8.5					
3F12-18			9.0					
3F12-19			11.0					
3F12-20			11.5					
3F12-21			5.5					
3F12-22			7.5					
3F12-23			8.5					
3F12-24			8.5					
3F12-25			8.0					
3G12								
3G12-01	7/27/94	1	11.0	N	N	NA	NA	
3G12-02			10.0					
3G12-03			10.0					
3G12-04			10.5					
3G12-05			10.5					

FIDLER SURVEY

ADC 3

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? SBS/SOR	REF	COMMENTS
3G12-06	7/27/94	1	13.0	N	Y ~~N~~ 5/12/95	NA	NA	
3G12-07			13.0					
3G12-08			CP 7/27 ~~13~~ 12.5					
3G12-09			12.5					
3G12-10			12.5					
3G12-11			12.5					
3G12-12			12.5					
3G12-13			9.0		N			
3G12-14			8.0					
3G12-15			10.0					
3G12-16			9.5					
3G12-17			9.5					
3G12-18			9.5					
3G12-19			11.0					
3G12-20			13.0	5/12/95	Y			
3G12-21			7.0		N			
3G12-22			6.5					
3G12-23			7.0					
3G12-24			7.0					
3G12-25			9.0					
3H12								
3H12-01	7/27/94	1	12.0	N	Y ~~N~~ 5/12/95	NA	NA	
3H12-02			10.0		N			
3H12-03			12.0		Y			
3H12-04			9.0		N			
3H12-05			8.0					
3H12-06			10.0					
3H12-07			13.0		Y			
3H12-08			13.5					
3H12-09			13.5	5/12/95				
3H12-10			13.0					
3H12-11			11.0		N			
3H12-12			12.0		Y			
3H12-13			14.0					

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FIDLER SURVEY

AOC 3

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
3H12-14	7/27/94	1	13.0	N	Y	NA	NA	
3H12-15			11.0		N			
3H12-16			11.5					
3H12-17			11.0					
3H12-18			11.0					
3H12-19			10.0					
3H12-20			9.5					
3H12-21			11.5					
3H12-22			9.0					
3H12-23			9.0					
3H12-24			9.5					
3H12-25			11.0					
3I12								
3I12-01	7/28/94	3	8.0	N	N	NA	NA	
3I12-02			8.5					
3I12-03			7.5					
3I12-04			7.0					
3I12-05			10.5					
3I12-06			9.0					
3I12-07			9.0					
3I12-08			8.0					
3I12-09			9.0					
3I12-10			8.5					
3I12-11			8.5					
3I12-12			9.0					
3I12-13			8.0					
3I12-14			9.0					
3I12-15			7.0					
3I12-16			7.5					
3I12-17			8.5					
3I12-18			11.5					
3I12-19			10.5					
3I12-20			11.5					
3I12-21			11.5					

FIDLER SURVEY

AOC 3

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
3I12-22	7/28/94	3	10.5	N	N	NA	NA	
3I12-23			11.0					
3I12-24			11.5					
3I12-25		3	9.5					
3J12								
3J12-01	7/28/94	3	6.0	N	N	NA	NA	
3J12-02			6.0					
3J12-03			6.0					
3J12-04			5.5					
3J12-05			6.0					
3J12-06			6.0					
3J12-07			6.5					
3J12-08			6.0					
3J12-09			6.0					
3J12-10			5.5					
3J12-11			6.0					
3J12-12			6.0					
3J12-13			6.5					
3J12-14			6.5					
3J12-15			6.5					
3J12-16			7.0					
3J12-17			6.5					
3J12-18			6.0					
3J12-19			6.5					
3J12-20			6.5					
3J12-21			9.0					
3J12-22			7.5					
3J12-23			6.5					
3J12-24			6.5					
3J12-25			6.5					
3K12								
3K12-01	7/28/94	3	6.0	N	N	NA	NA	
3K12-02			10.0					

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FIDLER SURVEY

AOC 3

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 346

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3K12-03	7/28/94	3	6.0	N	N	NA	NA	
3K12-04			5.5					
3K12-05			5.5					
3K12-06			5.5					
3K12-07			6.0					
3K12-08			6.0					
3K12-09			6.0					
3K12-10			6.5					
3K12-11			6.5					
3K12-12			5.5					
3K12-13			5.5					
3K12-14			5.5					
3K12-15			5.5					
3K12-16			6.0					
3K12-17			5.5					
3K12-18			6.0					
3K12-19			6.5					
3K12-20			8.5					
3K12-21			9.5					
3K12-22			10.0					
3K12-23			7.5					
3K12-24			6.0					
3K12-25			5.5					
3L12								
3L12-01	7/28/94	3	5.5	N	N	NA	NA	
3L12-02			6.5					
3L12-03			7.0					
3L12-04			8.5					
3L12-05			8.5					
3L12-06			8.5					
3L12-07			8.5					
3L12-08			9.0					
3L12-09			6.5					
3L12-10			6.0					

FIDLER SURVEY

AOC 3

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
3L12-11	7/28/94	3	6.5	N	N	NA	NA	
3L12-12			6.5					
3L12-13			8.0					
3L12-14			8.5					
3L12-15			8.5					
3L12-16			7.0					
3L12-17			7.0					
3L12-18			6.0					
3L12-19			CP 7/28 ~~6.0~~ 6.5					
3L12-20			CP 7/28 ~~6.5~~ 6.0					
3L12-21			6.0					
3L12-22			6.5					
3L12-23			6.0					
3L12-24			6.0					
3L12-25			7.0					
3M12								
3M12-01	7/28/94	3	9.0	N	N	NA	NA	
3M12-02			8.5					
3M12-03			8.5					
3M12-04			8.5					
3M12-05			9.0					
3M12-06			8.0					
3M12-07			8.5					
3M12-08			8.0					
3M12-09			8.5					
3M12-10			9.5					
3M12-11			9.0					
3M12-12			8.5					
3M12-13			8.0					
3M12-14			7.5					
3M12-15			8.5					
3M12-16			8.0					
3M12-17			8.0					
3M12-18			8.5					

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FIDLER SURVEY

AOC 3

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 32

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3M12-19	7/28/94	3	8.5	N	N	NA	NA	
3M12-20			8.0					
3M12-21			7.5					
3M12-22			8.5					
3M12-23			9.0					
3M12-24			8.5					
3M12-25			8.0					
3N12								
3N12-01	7/28/94	3	9.0	N	N	NA	NA	
3N12-02			9.0					
3N12-03			9.5					
3N12-04			9.5					
3N12-05			10.0					
3N12-06			9.0					
3N12-07			8.5					
3N12-08			7.5					
3N12-09			8.0					
3N12-10			9.0					
3N12-11			7.5					
3N12-12			7.5					
3N12-13			7.5					
3N12-14			8.0					
3N12-15								OUTSIDE FENCE
3N12-16								OUTSIDE FENCE
3N12-17	7/28/94	3	7.5	N	N	NA	NA	
3N12-18			7.5					
3N12-19			7.0					
3N12-20			8.0					
3N12-21			8.5					
3N12-22			8.0					
3N12-23			7.5					
3N12-24								OUTSIDE FENCE
3N12-25								OUTSIDE FENCE

FIDLER SURVEY

AOC 3

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
3012	No Entry		gpH 8/9/94					
3A13								
3A13-01	7/28/94	3	6.0	N	N	NA	NA	
3A13-02			6.0					
3A13-03			6.5					
3A13-04			10.5					
3A13-05			7.0					
3A13-06			5.5					
3A13-07			5.5					
3A13-08			6.5					
3A13-09			5.5					
3A13-10			5.5					
3A13-11			5.5					
3A13-12			5.5					
3A13-13			5.5					
3A13-14			5.5					
3A13-15			6.0					
3A13-16			6.0					
3A13-17			5.5					
3A13-18			5.5					
3A13-19			5.5					
3A13-20			5.5					
3A13-21			5.5					
3A13-22			5.5					
3A13-23			5.5					
3A13-24			6.0					
3A13-25			6.0					
3B13								
3B13-01	8/1/94	3	5.5	N	N	NA	NA	
3B13-02			5.5					
3B13-03			9.5					
3B13-04			9.5					
3B13-05			9.5					

FIDLER SURVEY

AOC 3

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 3A

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3B13-06	8/1/94	3	6.5	N	N	NA	NA	
3B13-07			6.5					
3B13-08			6.5					
3B13-09			6.5					
3B13-10			6.0					
3B13-11			5.5					
3B13-12			6.5					
3B13-13			6.5					
3B13-14			5.5					
3B13-15			6.5					
3B13-16			6.0					
3B13-17			6.0					
3B13-18			6.5					
3B13-19			5.5					
3B13-20			6.0					
3B13-21			6.0					
3B13-22			6.5					
3B13-23			6.0					
3B13-24			6.0					
3B13-25			6.5					
3C13								
3C13-01	8/1/94	3	9.0	N	N	NA	NA	
3C13-02			8.5					
3C13-03			8.5					
3C13-04			9.0					
3C13-05			8.5					
3C13-06			6.5					
3C13-07			6.5					
3C13-08			6.5					
3C13-09			7.5					
3C13-10			7.0					
3C13-11			6.5					
3C13-12			6.0					
3C13-13			6.5					

FIDLER SURVEY

AOC 3

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
3C13-14	8/1/94	3	6.5	N	N	NA	NA	
3C13-15			6.5					
3C13-16			5.5					
3C13-17			5.5					
3C13-18			6.0					
3C13-19			6.0					
3C13-20			6.0					
3C13-21			6.5					
3C13-22			6.0					
3C13-23			6.0					
3C13-24			5.5					
3C13-25			6.0					
3D13	7/28/94	3	9.5	N	N	NA	NA	construction
3D13-01								
3D13-02								
3D13-03								
3D13-04								
3D13-05								
3D13-06								
3D13-07								
3D13-08								
3D13-09								
3D13-10								
3D13-11								
3D13-12								
3D13-13								
3D13-14								
3D13-15								
3D13-16								
3D13-17								
3D13-18								
3D13-19								
3D13-20								
3D13-21								

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FIDLER SURVEY

AOC 3

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENT
3D13-22								
3D13-23			JPH 8/19/94					
3D13-24								
3D13-25								
3.00E+13	7/28/94	3	5.0	N	N	NA	NA	construction
3E13-01								
3E13-02								
3E13-03								
3E13-04								
3E13-05								
3E13-06								
3E13-07								
3E13-08								
3E13-09			JPH 8/19/94					
3E13-10								
3E13-11								
3E13-12								
3E13-13								
3E13-14								
3E13-15								
3E13-16								
3E13-17								
3E13-18								
3E13-19								
3E13-20								
3E13-21								
3E13-22								
3E13-23								
3E13-24								
3E13-25								
3F13								
3F13-01	7/28/94	3	~~7.~~ 6.5	N	N	NA	NA	
3F13-02	7/28/94	3	7.5	N	N	NA	NA	

FIDLER SURVEY

AOC 3

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
3F13-03	7/28/94	3	6.5	N	N	NA	NA	
3F13-04			6.5					
3F13-05			6.0					
3F13-06			5.5					
3F13-07			6.5					
3F13-08			6.0					
3F13-09			6.5					
3F13-10			6.0					
3F13-11			5.0					
3F13-12			5.5					
3F13-13			6.0					
3F13-14			5.0					
3F13-15			5.5					
3F13-16			5.0					
3F13-17			5.5					
3F13-18			5.5					
3F13-19			5.5					
3F13-20			5.5					
3F13-21			5.0					
3F13-22			5.5					
3F13-23			5.5					
3F13-24			5.0					
3F13-25			5.0					
3G13	7/28/94	3	8.0	N	N	NA	NA	Steep gravel
3G13-01								
3G13-02								
3G13-03								
3G13-04								
3G13-05								
3G13-06								
3G13-07								
3G13-08								
3G13-09								
3G13-10								

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FIDLER SURVEY

AOC 3

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 3

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMEN
3G13-11								
3G13-12								
3G13-13								
3G13-14								
3G13-15			8/19/94					
3G13-16								
3G13-17								
3G13-18								
3G13-19								
3G13-20								
3G13-21								
3G13-22								
3G13-23								
3G13-24								
3G13-25								
3H13	7/28/94	3	9.5	N	N	N/A	NA	construction
3H13-01								
3H13-02								
3H13-03								
3H13-04								
3H13-05								
3H13-06			8/19/94					
3H13-07								
3H13-08								
3H13-09								
3H13-10								
3H13-11								
3H13-12								
3H13-13								
3H13-14								
3H13-15								
3H13-16								
3H13-17								
3H13-18								

FIDLER SURVEY

AOC 3

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
3H13-19								
3H13-20								
3H13-21								
3H13-22								
3H13-23								
3H13-24								
3H13-25								
3I13	7/28/94	3	15.0	N	~~Y~~ N 5/24/99	NA	NA	
3I13-01	7/28/94	3	11.0	N	N	NA	NA	
3I13-02			9.5					
3I13-03			8.5					
3I13-04			10.5					
3I13-05			9.5					
3I13-06			9.0					
3I13-07			8.5					
3I13-08			10.5					
3I13-09			11.5					
3I13-10			NA	NA	NA	NA	NA	TRAILER
3I13-11								
3I13-12								
3I13-13								
3I13-14			10.0	N	N	NA	NA	
3I13-15			11.0					
3I13-16			5.0					
3I13-17			4.5					
3I13-18			4.0					
3I13-19			4.5					
3I13-20			4.0					
3I13-21			5.5					
3I13-22			4.5					
3I13-23			4.5					
3I13-24			4.0					
3I13-25			4.5					

FIDLER SURVEY

AOC 3

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3J13								
3J13-01	7/28/94	3	9.5	N	N	NA	NA	
3J13-02			9.0					
3J13-03			12.0					
3J13-04			10.0					
3J13-05			8.0					
3J13-06			11.5					
3J13-07			9.0					
3J13-08			9.0					
3J13-09			10.5					
3J13-10			10.0					
3J13-11			11.5					
3J13-12			9.5					
3J13-13			8.5					
3J13-14			9.0					
3J13-15			9.5					
3J13-16			10.0					
3J13-17			10.0					
3J13-18			11.5					
3J13-19			9.5					
3J13-20			8.0					
3J13-21			5.0					
3J13-22			8.0					
3J13-23			8.0					
3J13-24			8.0					
3J13-25			10.0					
3K13								
3K13-01	7/28/94	3	8.5	N	N	NA	NA	
3K13-02			9.0					
3K13-03			7.0					
3K13-04			6.0					
3K13-05			5.5					
3K13-06			7.5					
3K13-07			8.0					

FIDLER SURVEY

AOC 3

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
3K13-08	7/28/94	3	9.0	N	N	NA	NA	
3K13-09			9.5					
3K13-10			10.0					
3K13-11			10.5					
3K13-12			10.0					
3K13-13			10.5					
3K13-14			11.0					
3K13-15			11.0					
3K13-16			10.0					
3K13-17			10.0					
3K13-18			10.0					
3K13-19			9.5					
3K13-20			CP 7/28/2 11.5					
3K13-21			12.0					
3K13-22			13.0					
3K13-23			10.0					
3K13-24			9.5					
3K13-25			9.0					
3L13								
3L13-01	7/28/94	3	5.0	N	N	NA	NA	
3L13-02			5.0					
3L13-03			5.0					
3L13-04			5.0					
3L13-05			5.5					
3L13-06			5.0					
3L13-07			4.5					
3L13-08			5.5					
3L13-09			5.0					
3L13-10			6.5					
3L13-11			8.5					
3L13-12			6.0					
3L13-13			6.0					
3L13-14			5.5					
3L13-15			5.0					

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FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3L13-16	7/28/94	3	6.0	N	N	NA	NA	
3L13-17			8.0					
3L13-18			9.0					
3L13-19			11.0					
3L13-20			13.0					
3L13-21			11.0					
3L13-22			11.0					
3L13-23			10.0					
3L13-24			9.0					
3L13-25			8.0					
3M13								
3M13-01	7/28/94	3	6.0	N	N	NA	NA	
3M13-02			7.0					
3M13-03			8.0					
3M13-04			8.5					
3M13-05			8.0					
3M13-06			8.0					
3M13-07			6.5					
3M13-08			5.5					
3M13-09			5.5					
3M13-10			5.0					
3M13-11			5.5					
3M13-12			5.5					
3M13-13			5.5					
3M13-14			5.5					
3M13-15			6.5					
3M13-16			6.5					
3M13-17			5.0					
3M13-18			6.0					
3M13-19			5.5					
3M13-20			6.5					
3M13-21			7.5					
3M13-22			6.0					
3M13-23			6.0					

FIDLER SURVEY

AOC 3

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
3M13-24	7/28/94	3	6.0	N	N	NA	NA	
3M13-25	7/28/94	3	6.0	N	N	NA	NA	
3N13								
3N13-01	7/28/94	3	9.0	N	N	NA	NA	
3N13-02	7/28/94	3	7.0	N	N	NA	NA	
3N13-03								outside fence
3N13-04								↓
3N13-05								
3N13-06								
3N13-07								
3N13-08								
3N13-09	7/28/94	3	8.5	N	N	NA	NA	
3N13-10	↓	↓	7.0	↓	↓	↓	↓	
3N13-11	↓	↓	6.0	↓	↓	↓	↓	
3N13-12								outside fence
3N13-13								↓
3N13-14								
3N13-15								
3N13-16								
3N13-17								
3N13-18								
3N13-19								↓
3N13-20	7/28/94	3	6.0	N	N	NA	NA	
3N13-21								outside fence
3N13-22								↓
3N13-23								
3N13-24								
3N13-25								↓
3O13								
3A14								NOT ON MAP
3A14-01								
3A14-02								

FIDLER SURVEY

AOC 3

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
3B14-11								
3B14-12								
3B14-13								
3B14-14								
3B14-15								
3B14-16								
3B14-17								
3B14-18								
3B14-19								
3B14-20								
3B14-21								
3B14-22								
3B14-23								
3B14-24								
3B14-25								
[illegible]								
3C14								
3C14-01	8/1/94	3	6.0	N	N	NA	NA	
3C14-02			6.0					
3C14-03			6.0					
3C14-04			6.0					
3C14-05			6.5					
3C14-06			5.5					
3C14-07			6.0					
3C14-08			6.5					
3C14-09			5.0					
3C14-10			5.5					
3C14-11			5.0					
3C14-12			6.5					
3C14-13			6.5					
3C14-14			6.0					
3C14-15			6.0					
3[illegible]6			6.0					
3C14-17			6.0					
3C14-18			6.5					

JPH 8/19/94

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FIDLER SURVEY

AOC 3

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3C14-19	8/1/94	3	6.0	N	N	NA	NA	
3C14-20			5.5					
3C14-21			6.5					
3C14-22			6.0					
3C14-23			6.0					
3C14-24			6.5					
3C14-25			6.0					
3D14	7/28/94	3	5.5	N	N	NA	NA	construction
3D14-01								
3D14-02								
3D14-03								
3D14-04								
3D14-05								
3D14-06								
3D14-07								
3D14-08								
3D14-09								
3D14-10								
3D14-11								
3D14-12								
3D14-13								
3D14-14								
3D14-15								
3D14-16								
3D14-17								
3D14-18								
3D14-19								
3D14-20								
3D14-21								
3D14-22								
3D14-23								
3D14-24								
3D14-25								

JPH 8/19/94

FIDLER SURVEY

AOC 3

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
3.00E+14	7/28/94	3	5.0	N	N	NA	NA	construction
3E14-01								
3E14-02								
3E14-03								
3E14-04								
3E14-05								
3E14-06								
3E14-07								
3E14-08								
3E14-09								
3E14-10								
3E14-11			8/19/94					
3E14-12								
3E14-13								
3E14-14								
3E14-15								
3E14-16								
3E14-17								
3E14-18								
3E14-19								
3E14-20								
3E14-21								
3E14-22								
3E14-23								
3E14-24								
3E14-25								
3F14	7/28/94	3	5.5	N	N	NA	NA	
~~3F14~~	~~7/28/94~~	~~3~~	~~8.0~~	~~N~~	~~N~~	~~NA~~	~~NA~~	CP 7/28/94
3F14-01	7/28/94	3	5.5	N	N	NA	NA	
3F14-02			5.5					
3F14-03			5.0					
3F14-04			5.5					
3F14-05			5.0					
3F14-06			5.5					
3F14-07			5.5					

Anc SDR

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FIDLER SURVEY

AOC 3

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3F14-08	7/28/94	3	5.5	N	N	NA	NA	
3F14-09			5.5					
3F14-10			5.5					
3F14-11			5.0					
3F14-12			5.5					
3F14-13			5.5					
3F14-14			5.5					
3F14-15			6.0					
3F14-16			5.5					
3F14-17			5.5					
3F14-18			5.0					
3F14-19			5.0					
3F14-20			5.5					
3F14-21			5.0					
3F14-22			5.0					
3F14-23			5.5					
3F14-24			5.5					
3F14-25	↓	↓	5.5	↓	↓	↓	↓	
3G14	7/28/94	3	5.0	N	N	NA	NA	Construction
3G14-01								
3G14-02								
3G14-03								
3G14-04								
3G14-05								
3G14-06								
3G14-07								
3G14-08								
3G14-09								
3G14-10								
3G14-11								
3G14-12								
3G14-13								
3G14-14								
3G14-15								

JMK 8/19/94

FIDLER SURVEY

AOC 3

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
3G14-16								
3G14-17								
3G14-18			JPH 8/19/94					
3G14-19								
3G14-20								
3G14-21								
3G14-22								
3G14-23								
3G14-24								
3G14-25								
3H14	7/28/94	3	5.0	N	N	NA	NA	construction
3H14-01								
3H14-02								
3H14-03								
3H14-04								
3H14-05								
3H14-06			JPH 8/19/94					
3H14-07								
3H14-08								
3H14-09								
3H14-10								
3H14-11								
3H14-12								
3H14-13								
3H14-14								
3H14-15								
3H14-16								
3H14-17								
3H14-18								
3H14-19								
3H14-20								
3H14-21								
3H14-22								
3H14-23								

FIDLER SURVEY

AOC 3

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 3J

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3H14-24			GPH 8/19/94					
3H14-25								
3I14	7/28/94	3	8.0	N	N	NA	NA	construction
3I14-01								
3I14-02								
3I14-03								
3I14-04								
3I14-05								
3I14-06								
3I14-07								
3I14-08								
3I14-09								
3I14-10								
3I14-11			GPH 8/19/94					
3I14-12								
3I14-13								
3I14-14								
3I14-15								
3I14-16								
3I14-17								
3I14-18								
3I14-19								
3I14-20								
3I14-21								
3I14-22								
3I14-23								
3I14-24								
3I14-25								
3J14	~~7/28/94~~	3	5.0	N	N	NA	NA	end point
3J14-01								
3J14-02			GPH 8/19/94					
3J14-03								
3J14-04								

FIDLER SURVEY

AOC 3

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
3L14-21								
3L14-22			JPH 8/19/94					
3L14-23								
3L14-24								
3L14-25								
3M14								
3M14-01	8/1/94	3	6.0	N	N	NA	NA	
3M14-02			5.0					
3M14-03			6.5					
3M14-04			NA		NA			outside fence
3M14-05								
3M14-06								
3M14-07								
3M14-08			6.5		N			
3M14-09			5.5					
3M14-10			6.0					
3M14-11			5.0					
3M14-12			5.0					
3M14-13			NA		NA			outside fence
3M14-14								
3M14-15								
3M14-16								
3M14-17								
3M14-18								
3M14-19			5.0		N			
3M14-20			5.0					
3M14-21			5.5					
3M14-22			5.5					
3M14-23			NA		NA			outside property fence
3M14-24								
3M14-25								
3N14								outside property fence
3N14-01	No Entry JPH 8/19/94							

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FIDLER SURVEY

AOC 3

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
3N14-02								
3N14-03								
3N14-04								
3N14-05								
3N14-06								
3N14-07								
3N14-08								
3N14-09								
3N14-10								
3N14-11								
3N14-12								
3N14-13								
3N14-14								
3N14-15								
3N14-16								
3N14-17								
3N14-18								
3N14-19								
3N14-20								
3N14-21								
3N14-22								
3N14-23								
3N14-24								
3N14-25								
3O14								
3A15			~~58.2~~					
3A15-01	8/2/94	3	~~58.2~~ ~~9.5~~ 10.0	N	~~YES~~ NO	NA	NA	
3A15-02	↓	↓	9.5	↓	↓	↓	↓	
3A15-03			9.5					
3A15-04			8.0		N			
3A15-05			8.5					
3A15-06			8.5					
3A15-07			7.5					

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FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3A15-08	8/2/94	3	8.5	N	N	NA	NA	
3A15-09			8.0					
3A15-10			8.5					
3A15-11			~~SB 8-2-94 6.5 NA~~ 6.5		N ~~SB 8-16~~			SB 8-2-94 in bunker
3A15-12			SB 8-2-94 ~~8.5~~ 7.0		N			
3A15-13			7.5 ~~7.0~~ SB 8-2-94 ~~8.5~~					
3A15-14			~~SB 8-2-94 7.5~~ 6.5					
3A15-15			8.5					
3A15-16			7.0					
3A15-17			7.5					
3A15-18			6.0					
3A15-19			6.5					
3A15-20			6.5					
3A15-21			7.0					
3A15-22			7.0					
3A15-23			7.5					
3A15-24			6.0					
3A15-25			6.5					
3B15								
3B15-01	8/1/94	3	8.0	N	N	NA	NA	
3B15-02			6.5					
3B15-03			9.0					
3B15-04			5.5					
3B15-05			5.5					
3B15-06			5.0					
3B15-07			8.5					
3B15-08			8.5					
3B15-09			7.0					
3B15-10			6.0					
3B15-11			8.0					
3B15-12			7.0					
3B15-13			11.0					
3B15-14			6.0		N			
3B15-15			SB 8-1 ~~7.0~~ 12.0	N	Y	SE	SB 8-1-94	
				SB 8-1-94	SB 8-1-94	SB 8-1-94	SB 8-1-94	

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FIDLER SURVEY

AOC 3

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3B15-16	8/1/94	3	6.5	N	N	NA	NA	
3B15-17			8.5					
3B15-18			6.5					
3B15-19			8.0					
3B15-20			7.5					
3B15-21			7.5					
3B15-22			7.0					
3B15-23			7.0					
3B15-24			10.0					
3B15-25			79.0		Y	SE	pg6	
3C15								
3C15-01	8/1/94	3	6.5	N	N	NA	NA	
3C15-02			6.0					
3C15-03			6.0					
3C15-04			6.0					
3C15-05			6.0					
3C15-06			6.0					
3C15-07			6.0					
3C15-08			6.0					
3C15-09			6.0					
3C15-10			5.5					
3C15-11			5.0					
3C15-12			5.5					
3C15-13			6.0					
3C15-14			6.0					
3C15-15			5.5					
3C15-16			6.0					
3C15-17			6.5					
3C15-18			5.5					
3C15-19			5.5					
3C15-20			7.0					
3C15-21			6.5					
3C15-22			5.5					
3C15-23			6.0					

FIDLER SURVEY

AOC 3

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
3C15-24	8/1/94	3	6.0	N	N	NA	NA	
3C15-25	8/1/94	3	6.0	N	N	NA	NA	
3D15	8/1/94	3	6.5	N	N	NA	NA	
3D15-01	8/1/94	3	6.5	N	N	NA	NA	
3D15-02			NA	NA	NA	NA	NA	BLDG
3D15-03			6.0	N	N	NA	NA	
3D15-04			5.5					
3D15-05			5.5					
3D15-06			6.5					
3D15-07			NA	NA	NA	NA	NA	BLDG
3D15-08			NA	NA	NA	NA	NA	BLDG
3D15-09			5.0	N	N	NA	NA	
3D15-10			6.5					
3D15-11			6.5					
3D15-12			5.5					
3D15-13			~~5.0~~ NA	NA	NA	NA	NA	BLDG
3D15-14								BLDG
3D15-15								BLDG
3D15-16								BLDG
3D15-17								BLDG
3D15-18			5.5	N	N	NA	NA	
3D15-19			5.5					
3D15-20			6.0					
3D15-21			7.0					
3D15-22			6.5					
3D15-23			5.5					
3D15-24			5.5					
3D15-25			5.0					
3.00E+15	8/1/94	3	5.5	N	N	NA	NA	construction
3E15-01								
3E15-02			JPH 8/19/94					
3E15-03								
3E15-04								

AOC SDB

FIDLER SURVEY

AOC 3

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3E15-05								
3E15-06								
3E15-07								
3E15-08								
3E15-09								
3E15-10								
3E15-11								
3E15-12								
3E15-13								
3E15-14								
3E15-15								
3E15-16								
3E15-17								
3E15-18								
3E15-19								
3E15-20								
3E15-21								
3E15-22								
3E15-23								
3E15-24								
3E15-25								
3F15	8/1/94	3	5.5	N	N	NA	NA	
3F15-01			6.5					
3F15-02			6.0					
3F15-03			5.5					
3F15-04			6.0					
3F15-05			6.5					
3F15-06			6.0					
3F15-07			5.5					
3F15-08			5.5					
3F15-09			5.5					
3F15-10			6.0					
3F15-11			5.0					
3F15-12			5.5					

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3F15-13	8/1/94	3	5.5	N	N	NA	NA	
3F15-14			5.5					
3F15-15			6.5					
3F15-16			5.0					
3F15-17			6.5					
3F15-18			6.0					
3F15-19			5.0					
3F15-20			5.0					
3F15-21			5.0					
3F15-22			5.5					
3F15-23			6.0					
3F15-24			6.0					
3F15-25			5.5					
3G15								end point
3G15-01								
3G15-02								
3G15-03								
3G15-04								
3G15-05								
3G15-06								
3G15-07								
3G15-08								
3G15-09								
3G15-10								
3G15-11								
3G15-12								
3G15-13								
3G15-14								
3G15-15								
3G15-16								
3G15-17								
3G15-18								
3G15-19								
3G15-20								

8/12/94

AOC SDB

FIDLER SURVEY

AOC 3

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
3N15-07								
3N15-08								
3N15-09								
3N15-10								
3N15-11								
3N15-12								
3N15-13								
3N15-14								
3N15-15								
3N15-16			JPH					
3N15-17			8/19/94					
3N15-18								
3N15-19								
3N15-20								
3N15-21								
3N15-22								
3N15-23								
3N15-24								
3N15-25								
3O15								
3A16								
3A16-01	8/2/94	3	7.0	N	N	NA	NA	
3A16-02			7.5					
3A16-03			6.5					
3A16-04			6.0					
3A16-05			6.5					
3A16-06			6.5					
3A16-07			8.5					
3A16-08			8.5					
3A16-09			9.0					
3A16-10			9.0					
3A16-11			8.5					
3A16-12			8.5					

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FIDLER SURVEY

AOC 3

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
3A16-13	8/2/94	3	9.0	N	N	NA	NA	
3A16-14			9.0					
3A16-15			6.0					
3A16-16			7.5					
3A16-17			8.5					
3A16-18			9.0					
3A16-19			8.5					
3A16-20			9.0					
3A16-21			9.0					
3A16-22			8.0					
3A16-23			8.5					
3A16-24			9.5					
3A16-25			9.0		~~Y~~ N			
3B16								
3B16-01	8/1/94	3	6.0	N	N	NA	NA	
3B16-02			6.0					
3B16-03			6.5					
3B16-04			6.5					
3B16-05			21.0	N	Y	NE	PS 6	
3B16-06			8.0	N	N	NA	NA	
3B16-07			7.5					
3B16-08			8.0					
3B16-09			6.5					
3B16-10			6.0					
3B16-11			4.5					
3B16-12			5.5					
3B16-13			NA	NA	NA	NA	NA	WATER
3B16-14			NA	NA	NA	NA	NA	WOODED AREA
3B16-15			NA	NA	NA	NA	NA	WOODED AREA
3B16-16			5.5	N	N	NA	NA	
3B16-17			8.0					
3B16-18			8.0					
3B16-19			7.0					
3B16-20			5.5					

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FIDLER SURVEY

AOC 3

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
3B16-21	8/1/94	3	7.0	N	N	NA	NA	
3B16-22			6.5					
3B16-23			6.0					
3B16-24			6.0					
3B16-25			5.5					
3C16	8/1/94	3	5.0	N	N	NA	NA	
3D16	8/1/94	3	6.5	N	N	NA	NA	
3.00E+16	8/1/94	3	5.0	N	N	NA	NA	
3F16	8/1/94	3	4.5	N	N	NA	NA	
3A17								
3A17-01	8/2/94	3	9.0	N	N	NA	NA	
3A17-02			9.0					
3A17-03			8.5					
3A17-04			9.0					
3A17-05			8.5					
3A17-06			9.0					
3A17-07			9.5					
3A17-08			8.5					
3A17-09			8.5					
3A17-10			8.5					
3A17-11			9.0					
3A17-12			8.0					
3A17-13			9.0					
3A17-14			8.5					
3A17-15			9.0					
3A17-16			8.5					
3A17-17			9.0					
3A17-18			8.5					
3A17-19			8.0					
3A17-20			8.5					

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FIDLER SURVEY

AOC 3

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
3A17-21	8/2/94	3	7.5	N	N	NA	NA	
3A17-22			8.0					
3A17-23			8.5					
3A17-24			9.0					
3A17-25			8.5					
3B17								
			JPH 8/19/94					
3C17								
3A18								
3A18-01	8/2/94	3	6.0	N	N	NA	ND	
3A18-02			6.0					
3A18-03			5.5					
3A18-04			7.0					
3A18-05			7.0					
3A18-06			6.5					
3A18-07			7.0					
3A18-08			7.0					
3A18-09			6.5					
3A18-10			6.0					
3A18-11			6.5					
3A18-12			7.0					
3A18-13			7.0					
3A18-14			7.0					
3A18-15			6.5					
3A18-16			6.5					
3A18-17			6.5		-			
3A18-18			6.0					
3A18-19			5.5					
3A18-20			7.0					
3A18-21			6.0					
3A18-22			8.5					
3A18-23			8.0					
3A18-24			10.0		Y			

JPH 8/19/94

FIDLER SURVEY

AOC 3

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
3A18-25	8/2/94	3	10.0	N	~~N~~ Y	NA	NA	
3B18	No Entry		JPH 8/19/94					
3A19	7/20/94	1	8.5	N	N	NA	NA	Wooded area
3A19-01								
3A19-02								
3A19-03								
3A19-04								
3A19-05								
3A19-06								
3A19-07								
3A19-08								
3A19-09								
3A19-10			JPH					
3A19-11			8/19/94					
3A19-12								
3A19-13								
3A19-14								
3A19-15								
3A19-16								
3A19-17								
3A19-18								
3A19-19								
3A19-20								
3A19-21								
3A19-22								
3A19-23								
3A19-24								
3A19-25								
3B19	7/20/94	1	8.0	N	N	NA	NA	WOODED AREA
3A20	7/20/94	1	8.0	N	N	NA	NA	WOODED AREA
3A20-01								

164

FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — AOC 3 — PROJECT NO.: 3486

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
3A20-02								
3A20-03								
3A20-04								
3A20-05								
3A20-06								
3A20-07								
3A20-08								
3A20-09								
3A20-10			Off					
3A20-11			" 8/19/94					
3A20-12								
3A20-13								
3A20-14								
3A20-15								
3A20-16								
3A20-17								
3A20-18								
3A20-19								
3A20-20								
3A20-21								
3A20-22								
3A20-23								
3A20-24								
3A20-25								
3B20	7/26/94	1	8.0	N	N	NA	NA	Wooded area
3A21	7-20-94	1	9.5	N	N	NA	NA	wooded area
3A21-01								
3A21-02								
3A21-03			Off					
3A21-04			" 8/19/94					
3A21-05								
3A21-06								
3A21-07								

FIDLER SURVEY

AOC 3

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
3A21-08								
3A21-09								
3A21-10								
3A21-11								
3A21-12								
3A21-13								
3A21-14								
3A21-15								
3A21-16			JPH 8/19/94					
3A21-17								
3A21-18								
3A21-19								
3A21-20								
3A21-21								
3A21-22								
3A21-23								
3A21-24								
3A21-25								
3B21	7/20/94	1	9.5	N	N	NA	NA	WOODED AREA
3A22	7-20-94	1	10.0	N	N	NA	NA	Wooded area
3A22-01								
3A22-02								
3A22-03								
3A22-04			JPH 8/19/94					
3A22-05								
3A22-06								
3A22-07								
3A22-08								
3A22-09								
3A22-10								
3A22-11								
3A22-12								
3A22-13								

AOC SDB

FIDLER SURVEY

Aoc 3

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
3A22-14								
3A22-15								
3A22-16								
3A22-17								
3A22-18								
3A22-19								
3A22-20								
3A22-21								
3A22-22								
3A22-23								
3A22-24								
3A22-25								
3B22	7-20-94	1	9.0	N	N	NA	NA	WOODED AREA
3A23	7-20-94	1	8.5	N	N	NA	NA	wooded area
3B23	7-20-94	1	8.5	N	N	NA	NA	WOODED AREA

No Entry 8/19/94

A.3

APPENDIX A.3

SOIL GAS LOGBOOK

Soil Gas Logbook

AOCs: AREA 22
AREA 21
AREA 3
AREA 7
AREA J
AREA SD3
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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SOIL GAS

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

PROJECT NO: 34896

PAGE	FIELD LOG	PAGE	FIELD LOG
1	Task Team Activity 6/22/94	31	Task Team Activity 7/11/94
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3		33	Task Team Activity 7/12/94
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6		36	
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8	Task Team Activity 6/23/94	38	
9		39	Task Team Activity 7/13/94
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12		42	
13		43	Task Team Activity 7/14/94
14	Task Team Activity 6/27/94	44	
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18		48	Task Team Activity 7/13/94
19		49	
20	Task Team Activity 6/28/94	50	Task Team Activity 7/18/94
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22		52	
23		53	Task Team Activity 7/19/94
24	Task Team Activity 6/29/94	54	
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27	Task Team Activity 6/30/94	57	Task Team Activity 7/20/94
28		58	
29	Task Team Activity 7/7/94	59	
30	Task Team Activity 7/8/94	60	

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SOIL GAS

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

PROJECT NO: 34896

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67	Task Team Activity 7/25/94
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72	Task Team Activity 7/26/94
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76	Task Team Activity 7/27/94
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80	Task Team Activity 7/28/94
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83	Task Team Activity 7/28/94
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87	
88	Task Team Activity 8/1/94
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90	
91	Task Team Activity 8/1/94
92	Task Team Activity 8/2/94
93	
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96	Task Team Activity 8/3/94
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101	Task Team Activity 8/4/94
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107	Task Team Activity 8/8/94
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112	Task Team Activity 8/9/94
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118	Task Team Activity 8/10/94
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TABLE OF CONTENTS SOIL GAS

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

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123		153	
124	Task Team Activity 8/10/94	154	Task Team Activity 8/23/94
125		155	Task Team Activity 8/24/94
126		156	
127		157	
128	Task Team Activity 8/11/94	158	Task Team Activity 8/25/94
129		159	
130		160	
131		161	
132		162	Task Team Activity 8/29/94
133	Task Team Activity 8/15/94	163	Task Team Activity 8/30/94
134		164	Task Team Activity 9/1/94
135		165	
136		166	Task Team Activity 9/6/94
137		167	
138	~~Task Team Activity~~ JDH 8/18/94 Blank Page	168	Task Team Activity 9/7/94
139	Task Team Activity 8/11/94	169	
140		170	
141	Task Team Activity 8/15/94	171	
142		172	
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145	Task Team Activity 8/16/94	175	
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SOIL GAS

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

PROJECT NO: 34896

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190		220	
191		221	Soil Gas Survey Log Areas 1 & 13
192		222	Soil Gas Survey Log Area 13
193		223	
194		224	Soil Gas Survey Log Areas 13 & 3
195		225	
196		226	
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201	Soil Gas Survey Log Area 22	231	
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203		233	Soil Gas Survey Log Areas 3 & SDB
204		234	
205	Soil Gas Survey Log Areas 22 + 21	235	
206	Soil Gas Survey Log Area 21	236	
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PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO: 34896

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242	Soil Gas Survey log Area 7	272	
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244		274	
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258	Soil Gas Survey logs Areas 7 & 61	288	
259	Soil Gas Survey log Area 61	289	
260	Soil Gas Survey logs Areas 61 & 7	290	
261	Soil Gas Survey logs Area	291	
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263		293	
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269		299	
270		300	

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 7/18/94 TIME: NA PAGE 1 OF 3

Task Team Members:

J. Alvarado pg. 50

C. Holley

JPH 8/22/94

Narrative (include time and location):

Left trailer @ 8:20

Area 3 B-12 #364 Full 0913 bag 14

0924 Area 3 B-13 #365 bag 14 8" in bag 14

0935 Installed timer #1 at Area 3 B-12. Sampler is closest to stake. Timer #1 installed to full depth.

0941 Installed timer #2 at Area 3 B12. Full.

0945 Setup on Area 3 A13/366.

0952 Installed Area 3A13/366. Bag #14; 14"

0955 installed Area 3 A14 / #367 Bag #14; full

0957 Setup on Area 3 B14

1004 installed on Area 3 B14 / #368 Bag #14; ~~full~~ 8" JA 7/18/94

1008 setup on Area 3 B15

1015 ~~1000~~ JA 7-18-94 Safety problem unusable power cords (2) can not use

move to Area 3 ~~N0~~ N12 JA 7-18-94

1025 High weeds not accessible with short cord scared out

1030 return trailer picked up power cord.

1055 Setup Area 3 N-12

1105 install Area 3 N12 #369 bag #14 full (Timers) ~~Deadhead~~ JA 7/18/94 south of stake

Sample closest to stake

Daily Weather Conditions: A.M. Temp 79°F mostly sunny 70% Humidity

P.M. NA

Recorded By: [signature] 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): 7/13/94 TIME: NA PAGE 2 OF 3

Team Members: pg. 51

J. Alvarado

C. Hulley

JPH 8/22/94

Narrative (include time and location):

11:10 install TIMER 1# Area 3 N12 full 2nd tube south of stake (2114E)

11:17 install TIMER 2# Area 3 N12 full tube west of stake (2114E)

11:18 set up Area 3 O 12

11:25 install Area 3 O 12 # 370 bag 14 full

11:28 ~~Decon~~ Decon 1A 7-13-94 break for lunch

12:15 Prep work for installations

12:59 Pull Timer #1 SDB ~~#1~~ 7-18-94 K4 (Timer #1 SDB K4)

13:04 Pulled Timer #1 SDB C8

13:09 Pulled Timer #1 SDB G13

13:20 Set up on SDB D14 (wait for health physics)

13:45 Installed SDB D 14 # 371 bag # 14 full

13:50 Set up on SDB E14

13:55 Install SDB E 14 # 372 bag # 14 full

13:55 Set up on SDB F 14

14:04 Install SDB F 14 # 373 bag # 14 full

14:06 Set up SDB G14

14:14 Install SDB G 14 # 374 bag # 14 full

14:20 Install SDB F 13 # 375 bag # 14 full 7' from F12 (The 3' between sample pt and Accurate place was very like gravel)

14:26 Install SDB E 13 # 376 bag # 14 8" (will collapse)

tube installed 7' from F-12 in line with F-12 F-14

Daily Weather Conditions: A.M. NA

P.M. Mostly sunny 90°F

Recorded By [signature] 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): 7/18/94 TIME: NA PAGE 3 OF 3

Task Team Members:

J. Alvarado

C. Halley

pg. 52

Narrative (include time and location):

14:35 Set up H-13

~~14:44~~ 14:45 Installed SDB H-13 377 bag 14 full (6' from H-12 in line)

14:46 restring power line

14:55 Set up SDB I 12

15:01 Installed SDB I 12 bag 14 full # 378 (5' from I-12 WSW)

15:10 Set up SDB J 11

15:14 Installed SDB J11 bag 14 full # 379 (2½' from J11 in line)

15:21 SDB I 8, 9, 10 have higher readings no sample (~700 pCi) moved truck for SDB J1

15:55 Installed SDB J 1; moved off by 2'; bag 14; full; # 380

16:00 load truck screen out gave 1st times ~~SDB~~ SDB K4, C8, G13 on 7-18-94

16:10 unload truck organize for tommorow put together P-Tubes.

Samples ~~SDB 14; SDB~~ on 7-18-94 SDB D-14; E-14; F-14; G-14; F-13; E-13; H-13; I-12; J-11 were taken in river south ~~of SD~~ end of SDB area construction activities. back-hoe and drilling was occuring during Installation

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] 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): 7/19/94 TIME: NA PAGE 1 OF 4

Task Team Members: pg. 53

J. Alvarado

C. Halley

JPH 8/22/94

Narrative (include time and location):

Arrive Mound 06:30

06:45 Load truck

07:00 Call J. Geislin

07:30 Burn permit signed

07:45 HP (building 30) set up HP

08:00 Arrive at area 3 A and B 16-18 need to be remeasured A 15, 16, 17, 18 unsure if cleared on top of ammo-bunker B 17 and 18 close to light post unsure of utilities. (Include A 15)

set BA 7-19-94

08:25 Set up B-15 Area 3

08:37 Install Area 3 B-15 #381 bag 14 full

08:38 Set up Area 3 B-16

08:47 Install Area 3 B-16 #382 bag 14 full

08:48 Set up Area 3 B-17

08:58 Install Area 3 B-17 #383 bag 14 14" penetration

09:00 move generator into woods

09:14 Found place for generator for line

09:16 Set up Area 3 B-19

09:22 Installed Area 3 B-19 #384 bag 14 full

Daily Weather Conditions: A.M. Sunny

P.M. NA

Recorded By [signature] QA Checked By Juletta Humphrey

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 7/19/94 TIME: NA PAGE 2 OF 4

Task Team Members:

pg. 54

J. Alvarado

C. Halley

JPH 8/22/94

Narrative (include time and location):

0924 moved generator

0927 Set up Area ~~B~~ 3 7/19/94 B-20

0932 Install Area 3 B-20 # 385 bag 14 full wind calm Generator 15' away

0934 Set up Area 3 B-21 Very steep grade

0949 Install Area 3 B-21 # 386 bag 14 full

0951 Set up Area 3 B-22 had to cross stream (Hit rock)

1007 Install Area 3 B-22 # 387 bag 14 14" (End of 14 bag)

1008 Set up Area 3 B-23

1015 Install Area 3 B-23 # 388 bag 26 14" insertion

1015 move to other side of creek move generator

1022 water break

1031 Set up Area 3 A 19 (rock)

1039 Set up Area 3 A 20 (rock)

1040 Install Area 3 A 19 # 389 bag 26 14" insert

1052 Install Area 3 A20 # 390 bag 26 full

1052 begin moving over stream

1059 Set up Area 3 A21

1104 Install Area 3 A 21 full # 391 bag 26

1105 Set up on Area 3 A 22

1117 Install Area 3 A22 # 392 16" bag 26

Daily Weather Conditions: A.M. 1040 28° C sunny calm wind

P.M. NA

Recorded By [signature] 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): 07/19/94 TIME: NA PAGE 3 OF 4

Task Team Members:

J. Alvarado

C. Hulley

Pg. 55

JPH 8/22/94

Narrative (include time and location):

11:17 Set up Area 3 A 23 (cave in problem)
11:25 Install Area 3 A 23 #393 bag #26 14"
11:26 begin clean up for lunch
11:40 scan out - lunch
12:45 Log entries
13:10 Back to field - get with HP and Construction
13:20 Told HP to meet us @ building 55
13:25 Met with Rod Long and J Geisler asked about Area 3 A ~~and B~~ 7/19/94 15-18 B-18 inside engizine compound said they would rescan
13:40 Set up N 11 Area 3 (rock) (collapse)
13:50 Set up on Area 3 O-11 rock (collapse)
13:51 Install Area 3 N 11 bag 26 #394 16"
13:58 Install Area 3 O 11 bag 26 #395 Full
13:59 Set up Area 3 O10 7/19/94 (rock)
14:08 Install Area 3 O10; bag 26; full # 396
14:08 Set up Area 3 N10 dry condition silt collapse problem
14:17 Install Area 3 N10 bag 26; 8"; # 397.
14:19 Set up Area 3 O9 (collapse)
14:25 Install Area 3 O9 bag 26; 14"; 398

Daily Weather Conditions: A.M. NA

P.M. 85° F 45% Humidity mostly sunny

Recorded By [signature] 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): 7/19/94 TIME: NA PAGE 4 OF 4

Task Team Members:

pg. 56

J. Alvarado

C. Halley

JPH 8/22/94

Narrative (include time and location):

14:27 Set up Area 3 N9

14:32 Install Area 3 N9; 12"; bag 26; 399

14:33 Break, water

14:38 Setup Area 3 08

14:50 Install Area 3 08; 14"; bag 26; 400

14:52 Setup Area 3 N8 (steep hill)

14:58 Set up Area 3 07

14:58 Install Area 3 N8; 10"; bag 26; 401

15:02 Permit indicates move N7 8 ft south / Install Area 307 #41

15:15 Set up Area 3 ~~B~~ N7

15:22 Install Area 3 ~~B~~ N7 8' ft south from original ~~402~~ 403 for 7/19/94

we moved stake bag 26; 16"

15:27 Set up Area 3 ~~B~~ 06

15:32 Install Area 3 ~~B~~ 06; # ~~402~~ 404 405 7-19-94, bag 26; full

15:35 Set up Area 3 ~~B~~ N6 soil most sand

15:43 Installed Area 3 ~~B~~ N6; 8" insert; ~~403~~ ~~404~~ 405 7-19-94 bag 26

15:45 began cleanup

15:50 scan out

15:55 back to trailer

16:05 unload - boots - put together probes. Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] 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): 7-20-94 TIME: NA PAGE 1 OF 4

Team Members:

J. Alvarado

C. Halley

Pg. 57

JPH 8/22/94

Narrative (include time and location):

07:00 Arrive
07:10 load truck
07:20 sign hour permit ; get new Area 3 permit
08:00 discussed SOB I 8,9,10 (high rad)
~~07:45~~ 7:40 Set up HP
08:15 set up on Area 3
08:25 set up 05 Area 3
08:31 Install Area 3 05 14" bag 26 # 406
~~08:8~~ 08:33 set up Area 3 N5 sandy
08:37 Install Area 3 ~~0~~ N5 full bag 26 # 407
08:45 Set up Area 3 04
08:54 Install Area 3 04 10" bag 26 # 408 sandy collapse
08:55 Set up Area 3 N4
08:58 Install Area 3 N4 12" bag 26 # 409 sandy gravel
08:59 setup Area 3 03
09:05 Install Area 3 03 full bag 26 # 410 clay
09:07 Setup Area 3 N3 Gravel collapse limestone
09:17 Install Area 3 N3 12" bag 26 # 411
09:18 water break
09:34 Set up Area 3 02

Daily Weather Conditions: A.M. 76°F 85% Humidity

P.M. NA

Recorded By Jesse J. Alvarado 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): 7-20-94 TIME: NA PAGE 2 OF 4

Task Team Members: pg. 58

J Alvarado

C Hallay

JPH 8/22/94

Narrative (include time and location):

09:40 Installed Area 3 02 full bag 26 (last out of 26) 412
09:40 Set up Area 3 N2
09:47 Install Area 3 N2 full bag 15 # 413
09:48 Set up Area 3 01
09:52 Installed Area 3 01 full bag 15 # 414
09:53 Setup Area 3 N1 gravel sand
09:58 Installed Area 3N1 7" bag 15 # 415
10:00 HP left (wipes)
10:05 HP returned
10:00 loaded truck move to new staging area
10:25 Set up Area 3 M-12 (Ave line M-12-9) silt sand
10:35 Set up Area 3 M-11 sand silt
10:41 Install Area 3 M-12 7" bag 15 # 416 collapse
10:46 Install Area 3 M-11 12" bag 15 # 417 collapse
10:47 Setup Area 3 M-10
10:53 ~~Setup~~ Install Area 3 M-10 full bag 15 # 418
10:53 Set up Area 3 M 9
11:02 Install Area 3 M9 full bag 15 # 419
11:02 Setup Area 3 L 10 (rock)
11:11 Install Area 3 L 10 10" bag 15 # 420

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Juletta Humpest

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 7-20-94 TIME: NA PAGE 3 OF 4

Task Team Members:

pg. 59

J. Alvarado

C. Halley

JPH 8/22/94

Narrative (include time and location):

11:12 Setup Area 3 L 11

11:22 Install Area 3 L 11 14" bag 15 # 421

11:23 Install set up Area 3 L 12 (middle road)

11:30 Install Area 3 L-12 # 422 bag 16 ~~# #4~~ JA 7/20/94

11:35 Scan out

11:40 Load up truck lunch

12:40 back to field

11:50 re mark lines Area 3 13, 14, 15

remarked C, D, E, F, G, H -13

C, D, E, F, G, H, I, J -14

C, D, E F G H I -15

13:45 7-20-94 Set up K 10 collapse

13:51 Install Area 3 K 10; 10"; bag 15; P # 423

13:52 Set up J-10 Area 3 was in middle rode moved 5' (side)

13:59 Install Area 3 J-10 full bag 15 # 424

14:00 Set up I-10 Area 3 in roadway rock, gravel HARD

14:05 Install Area 3 I-10 full bag 15 # 425

14:06 Install setup Area 3 H-10 in roadway HARD

14:13 Install Area 3 H 10 Full bag 15 # 426

14:15 Set up Area 3 G 10 in Roadway HARD

Daily Weather Conditions: A.M. NA

P.M. 90° F 52% Humidity

Recorded By [signature] QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GA

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

Date (mm/dd/yy): 7/20/94 TIME: NA PAGE 4 OF 4

Task Team Members:

J. Alvarado

C. Halley

pg. 60

JPH 8/22/94

Narrative (include time and location):

14:24 Installed Area 3 G-10 Full Bag 15 # 427
14:25 Set up Area 3 F-10 In road Hard
14:37 Install Area 3 F-10 12" Bag 15 #428
14:39 Set up Area 3 E-10 In road Hard
14 ~~15~~:51 for 7-28-94 Install Area 3 E-10 Full Bag 15 # ~~49~~ 429
14 ~~15~~:51 for 7-28-94 move to do C-11 // line
14:54 Set up Area 3 C11 rock slow going
15:03 In setup Area 3 D 11 for 7-28-94
15:04 Install Area 3 ~~C11~~ C11 Full Bag 15 # 430
15:06 Install Area 3 D11 full Bag 15 #431
15:06 Set up Area 3 E 11 ROCK
15:20 Installed Area 3 E11 Bag 15 10" # 432
15:21 Set up Area 3 F 11 rock
15:31 Install Area 3 F11 12" Bag 15 # 433
15:32 Set up Area 3 G 11
15:37 Install Area 3 G11 full Bag 15 # 434
15:38 Set up Area 3 H 11
15:47 Install Area 3 H11 12" (collapse) Bag 15 # 435
15:50 Scan out clean up back to trailer
Last Entry

Daily Weather Conditions: A.M. NA

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): 7/25/94 TIME: NA PAGE 1 OF 5

Task Team Members: Pg. 67

J. Alvarado

C. Hallex

JPH 8/22/94

Narrative (include time and location):

0710 Arrive mound

0720 Load Truck

0730 sign hour permit

0735 Mark inserted tubes on map (Plan)

0800 building 22 (Sign digging permits)

0840 Arrive at SDB Area to install K10 and F11

K10 was installed but not recorded. K10 installed 7-18-94 approximate time 15:20 (p# 321)

0900 Set up Area SDB F-11 (could not find to pull re-set same number)

0912 Install Area SDB F-11 Full #336 bag 16

0915 Move to Area 3 - Had to get gas for generator

0925 Set up Area 3 A-15 # 436

0931 Installed Area 3 A-15; # 436; bag 16; 14"

0931 Set up Area 3 A-16; # 437

0936 Install Area 3 A-16; # 437; bag 16; 12" (collapse)

0937 Set up Area 3 A-17

0943 Install Area 3 A-17; # 438; bag 16; 14"

0945 Set up Area 3 A-18

0948 Install Area 3 A-18; # 439; bag 16; 14"

0952 Set up Area 3 A-18 (reset generator)

Daily Weather Conditions: A.M. 76°F 82% humidity, partly cloudy

P.M. NA

Recorded By [signature] 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): 7/25/94 TIME: NA PAGE 2 OF 5

Task Team Members:

J. Alvarado pg. 68

G. Halley

JPH 8/22/94

Narrative (include time and location):

0954 Instull Area 3 B-18; Bag 16; # 440; 14"
0958 Move re set in Area 3
1008 setup Area 3 C12; 441
1012 Install Area 3 C12; #441; Bag 16; Full
1014 setup Area 3 D12
1018 Install Area 3 D12 # 442; Bag 16; full
1020 Setup Area 3 E12
1023 Instull Area 3 E12; # 443; Bag 16; full
1024 Setup Area 3 F12
1026 Instull Area 3 F12; # 444; Bag 16; full
1027 Setup Area 3 G12
1031 Instull Area 3 G12; # 445; Bag 16; full
1034 Set up Area 3 H12
1040 Installed Area 3 H12; # 446; Bag 16; full
1041 set up Area 3 I12
1047 Installed Area 3 I12; #447; Bag 16; full
1050 Set up Area 3 J12
1055 Installed Area 3 J12; # 448; Bag 16; full
1058 Setup Area 3 K12 edge of road (Hard)
1107 Set up Area 3 K11 Rock

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Jan J. Alvarado QA Checked By Juletta Hampert

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

Date (mm/dd/yy): 7-25/94 TIME: NA PAGE 3 OF 5

Task Team Members:

J. Alvarado pg. 69

G. Hulley

JPH 8/22/94

Narrative (include time and location):

1107 Install Area 3 K 12; Bag 19; Full #449
1113 Install Area 3 K 11; Bag 19; Full #450
J-10 Area 3 in building (55)
1115 Set up Area 3 I 11 in road Hard
1122 Install Area 3 I 11; #451; Full; Bag 19
1123 Set up Area 3 I 9; #452; ~~Bag 19~~ Bag 19 JPH 7-25-94
1127 Install Area 3 I 9; #452; Bag 19; full
1128 Set up Area 3 H 9 collapsing drill 2nd hole
1135 Install Area 3 H 9; #453; Bag 19; 14"
Need to pull 264 4N1
Area 3 pull timer #1 B-12
N-12
1255 Pulled non AOC area 4N1 264
1305 Checked with HP
1315 Pulled Area 3 B 12 Timer #1
1321 Pulled Area 3 N-12
~~waiting of~~ JPH 7-25-94 Waiting for HP
1357 setup Area 3 H 13 #
1404 Installed Area 3 H-13; 454; Bag 19; full
1406 Setup Area 3 G 13 # 455 (ROCKS)

Daily Weather Conditions: A.M. 76°F 82% Humidity Partly cloudy

P.M. 85°F 61% Humidity Partly Cloudy

Recorded By [signature] 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): 7/25/94 TIME: NA PAGE 4 OF 5

Task Team Members:

J. Alvarado Pg. 70

C. Halley

JPH 8/22/94

Narrative (include time and location):

1416 Installed Area 3 G-13 ; 12" ; Bag 19 ; # 455
1417 Set up Area 3 F-13 (Road way ; Rock)
1427 Install Area 3 F-13 ; 8" ; Bag 19 ; # 456
1430 Set up Area 3 E-13 under asphalt
1435 Install Area 3 E-13 ; 8" ; Bag 19 ; # 457
1436 Set up Area 3 D-13
1443 Install Area 3 D-13 ; full ; Bag 19 ; # 458
1444 Set up Area 3 C-13 ; (ROCK)
1453 Install Area 3 C-13 ; ~~8"~~ 14" ; Bag 19 ; # 459
~~1454~~ 1455 set up Area 3 D-14 under asphalt
1502 Install Area 3 D-14 Full ; Bag 19 ; 460
1504 Setup Area 3 E-14 under Asphalt
1509 Install Area 3 E-14 Full ; Bag 19 ; 461
1510 Set up Area 3 F-14 under asphalt
1514 Install Area 3 F-14 Full ; Bag 19 ; # 462
1515 Set up Area 3 G 14 under asphalt
1520 ~~Set up~~ Install Area 3 G 14 Full ; Bag 19 ; # 463
1521 Set up Area 3 H 14 under asphalt
1523 Install Area 3 H ~~15~~ 14 Full ; Bag 19 ; # 464
1524 set up Area 3 I 15

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 7-25-94 TIME: NA PAGE 5 OF 5

Task Team Members:

S. Alvarado pg. 71

C. Halley

JPH 8/22/94

Narrative (include time and location):

JPH 7/29/94

14

1527 Install Area 3 I ~~15~~ full; Bag 19; #465

JPH 7/29/94

1528 Set up Area 3 J ~~15~~ 14 cure in problem

1532 Install Area 3 J ~~15~~ 14 JPH 7/29/94 Bag 19; #466; 12"

1533 Set up Area 3 I 15 under asphalt

~~Install Area 3 H I 15 under asphalt~~ JPH 7-25-94

1537 Install Area 3 I 15 Bag 19; #467; full

1539 Set up Area 3 H 15 under asphalt

1543 Install Area 3 H 15 Bag 19; #468;

1545 HP secured and left Clean up

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] 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): 7/26/94 TIME: NA PAGE 1 OF 4

Task Team Members:

J. Alvarado pg. 72

G. Lodes

JPH 8/22/94

Narrative (include time and location):

0710 Arrive

0715 Determine what needs to be done (pulled or installed)

~~0720 Picked up~~ 1a 7-28-94

0720 Load up truck get burn permit signed

0815 Picked up HP

0830 At area 3

0845 set up Area 3 G 15 under asphalt

0855 Install Area 3 G 15; 12"; bag 9; #469

0900 Construction problem had to move

showed J Giesler points not permitted in Area 3

points - along L and M lines

9:15 move generator

0923 set up I-13 Area 3

0930 Install Area 3 I-13; Bag 19; 10"; #470

0935 INSTALL AREA 3 J-13; BAG 19; ~~20~~ 16" (cc 7/26/94); #471

0940 Setup Area 3 K-13; BAG 19; 18"; #472 PAINT FUMES

FROM NEARBY ARE DETECTABLE

0947 Set up Area 3 K-14

0951 Install Area 3 K-14; Bag 19; #473; 17"

0952 Set up Area 3 L-14

Daily Weather Conditions: A.M. 68°F

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): 7/26/94 TIME: NA PAGE 2 OF 4

Team Members: pg. 73

J. Alvarado

G. Lodes

8/22/94

Narrative (include time and location):

0950 Install Area 3 L-14; Bag 9; 10"; #474

1000 Set up Area 3 M-14 moved 3' closer to L-14 (road)

1005 Install Area 3 M-14; Bag 9; Full; ~~#474~~ 475 pa 7-28-94

1007 Setup Area 3 N-13

1014 Install Area 3 N-13; Bag 9; 14"; ~~#475~~ 476 pa 7-28-94

1015 Setup Area 3 M-13;

1019 Install Area 3 M-13; Bag 9; 10"; #476 477 pa 7-28-94

1025 Set up Area 3 L-13 back in road

1027 Install Area 3 L-13; Bag 9; ~~to~~ 8"; ~~#477~~ 478 pa 7-28-94

.45 moved to area 7

11.00 Determined what to be done.

11.10 had to go and get permits

11.20 Lunch

12.00 Set up sample plan from available permits.

12.30 make tubes and look work

1328 Setup Area 7 D2 (Timer set)

1336 Install Area 7 D2; full; Bag 9; 479 closest to stake

1341 Install Timer #1 2114E Time test full (North west sample)

1345 Install Timer #2 2114E Time test full (North East sample)

1347 move ~~truck~~ truck next Area 7

pa 7-28-94

Daily Weather Conditions: A.M. NA

P.M. 78°F, 49% humidity

Recorded By: [signature] 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): 7/26/94 TIME: NA PAGE 3 OF 4

Task Team Members:

J. Alvarado

G. Loder

pg. 74

JPH 8/22/94

Narrative (include time and location):

1351 Set up Area 7 G10 Timers

1357 Install Area 7 G10 14"; Bag 9; 480 closest to stake

1404 Install Area 7 G10 Timer #1 2114E 14" (Northeast)

1408 Install Area 7 G10 Timer #2 2114 14" (Northwest)

1410 move to other part of Area 7

1422 Set up Area 7 Q16 Timers

1425 Install Area 7 Q16 closest to stake 481 full

1431 Install Area 7 Q16 Timer #1 2114 Northwest full

1440 Install Area 7 Q16 Timer #2 2114 South west full

1442 move to SDB area

1455 Arrive set up SDB { I 10 60 channel 1 2000 out
{ I 7 600 channel 1 3000 out
{ I 8 700 channel 1 2000 out

HP gave this → in dpm disintegrations
should be in cpm???

7-28-94 ~~14~~ 1500

1507 Install SDB I 8 Full; Bag 9; 482

1510 Set up SDB I 9 7-28-94

1516 Install SDB I ~~10~~ 9 14"; Bag 9; 483

1519 Set up SDB I 10

1525 Install SDB I 10; 10"; Bag; 484

Daily Weather Conditions: A.M. NA

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): 7/26/94 TIME: NA PAGE 4 OF 4

Task Team Members:

J. Alvarado

G. Loder

Pg. 75

JPH 8/22/94

Narrative (include time and location):

1526 clean up

1530 Head to go re-mark Area 7 A-E / 1-4

JPH 7/26/94

7/27/94 Page 1 of 1 SDB Area.

1409-1421 Accidentally pulled ~~timers~~ samplers from Area 3 - thought we were in SDB (#371-377). JPH 7/27/94

1446 Moved to SDB. Pulled I12/378 at 1446; pulled J11/379 at 1444, Pulled J1/380 at 1440; Pulled G13/271 at 1423; Pulled H13/377 at 1448; Pulled E13/376 at 1451; Pulled F13/375 at 1452; Pulled G14/374 at 1454; Pulled F14/373 at 1456; Pulled E14/372 at 1458; and pulled D14/371 at 1459. Tubes scanned OK. Return to trailer

Last Entry. Joletta Humpert 7/27/94

Daily Weather Conditions: A.M. NA

P.M. 78°F 49% Humidity

Recorded By [signature] 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): 7/28/94 TIME: NA PAGE 1 OF 2

Task Team Members:

J. Alvarado pg. 80

C. Halley

JMH 8/22/94

Narrative (include time and location):

Arrive 0700 set up for day

0730 HP will not be available ~~for~~ until 0800

Make P Tubes; update log book

0740 Sign burn permit, check other permits

0800 call to set up HP

0920 left to get HP

0945 Arrive Area 7

1002 Set up Area 7 M-12 Traffic near

1008 Install Are 7 M-12 Full; Bag 21; 516

1010 Set up Area 7 M-13 High ~~traf~~ traffic

1015 Install Area 7 M-13 Bag 21; # 517; Full

1020 ~~10 20~~ Set up Area 7 M-14 High traffic

1026 ~~Set up~~ Install Area 7 Full; Bag 21; # 518 M-14

1026 Set up Area 7 L-12 High traffic

1032 Install Area 7 L-12 Full; bag 21; # 519

1031 Setup Area 7 L-13 under asphalt High traffic

HARD ROCK !!!

1045 Install Area 7 L-13 10"; Bag 21; 520

1047 Set up Area 7 L-11 High traffic

1051 Install Area 7 L-11 Full; Bag 21; # 521

1052 HP had to leave clean up lane for trailers

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] 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): 7/28/94 TIME: NA PAGE 2 OF 3

Task Team Members: Pg. 81

J. Alvarado

C. Halley

JPH 8/22/94

Narrative (include time and location):

1349 Area 2 pt in concrete mix on installed road & tubes.
1400 Area 3 pt in concrete mix
1430 Area 3 staying
1446 Set up Area 2 K 15
1451 Install Area 2 K 15 Bag 21; # 522; Full
1451 Set up Area 2 J 15
1459 Install Area 2 J15 Full; Bag 21; # 523
1458 Set up Area 2 I 15 near traffic
1502 Install Area 2 I 15 Full; Bag 21; # 524
1506 Set up Area 2 K 14
1509 Install Area 2 K 14 Full; Bag 21; # 525
1511 Set up Area 2 J 14
1516 Install Area 2 J 14 12"; Bag 21; # 526
1518 Set up Area 2 K 13
1522 Install Area 2 K 13 full; Bag 21; # 527
1523 Set up Area 2 ~~K 13~~ J 13
1529 Install Area 2 J 13 full; Bag 21; # 528
1530 Set up Area 2 K 12 near traffic
1537 Install Area 2 K 12 Full; Bag 21; # 529
1537 Set up Area 2 J 12

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] 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): 7/28/94 TIME: NA PAGE 3 OF 3

Task Team Members:

J. Alvarado Pg. 82

C. Halley JPH 8/22/94

Narrative (include time and location):

1541 Install Area 7 J 12; Bag 21; Full 530

1541 Set up Area 7 I 12

1543 Install Area 7 I 12; Bag 21; Full 531

1545 Clean up back to trailer

JPH 7/28/94

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By: [signature] 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): 7-28-94 TIME: NA PAGE 1 OF 5

Task Team Members: Pg. 83

Joletta Humpert

~~Gabbie~~ JPH 7/28/94 Greg Loder. JPH 7/28/94

Narrative (include time and location):

0715 Onsite. Call received from P. Bedard on 7/27/94. For Area 3 timers (first set), the exposure results were as follows:

#369 and #364 - low to moderate levels of lightweight hydrocarbons, including toluene, BTEX, etc. Paul requested that we pull second timers and send on Thurs. 7/28/94. Pulled 0900 (369) and 0915 (364).

0930 Went out with G. Loder to pull Area 21.

0938 Pulling Area 21 A7 / 124

0940 Pulling Area 21 A6 / 125

0942 Pulling Area 21 A5 / 126

0943 Pulling Area 21 A4 / 127

0945 Pulling Area 21 A3 / 128 JPH 7/28/94

0946 Pulling Area 21 A2 / 129

0948 Pulling Area 21 A1 / 130

0951 Pulling Area 21 B1 / 131

0953 Pulling Area 21 B2 / 132

0956 Pulling Area 21 B3 / ~~0957~~ JPH 133

0958 Pulling Area 21 B4 / 134

1001 Pulling Area 21 B5 / 123

Daily Weather Conditions: A.M. Slightly overcast, 72°F

P.M. Partly Sunny, 78°F

Recorded By Joletta Humpert QA Checked By Laura M. Marion

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 7-28-94 TIME: NA PAGE 2 OF 5

Task Team Members:

JH

GL

pg. 84

JPH 7/28/94

Narrative (include time and location):

1003 Pulling Area 21 B6/122
1004 Pulling Area 21 B7/121
1016 Pulling Area 21 C7/119
1018 Pulling Area 21 C6/96
1021 Pulling Area 21 C5/120
1025 Pulling Area 21 C3/136
1027 Pulling Area 21 C2/137
1028 Pulling Area 21 C4/135
1030 Pulling Area 21 C1/138
1032 Pulling Area 21 D1/139
1034 Pulling Area 21 D2/140
1036 Pulling Area 21 D3/141
1038 Pulling Area 21 D4/142
1040 Pulling Area 21 D5/118
1042 Pulling Area 21 D6/117
1045 Pulling Area 21 D7/116
1048 Attempted to pull E7; Tube held by swelled clay. Tube broke on retrieval, wires were not able to be found.
1100 Pulled Area 21 E6/114

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Jolitta Humpert QA Checked By Laura M. Morrison

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 7-28-94 TIME: NA PAGE 3 OF 5

Task Team Members:

JH pg. 85

GL

JPH 7/28/94

Narrative (include time and location):

1102 Pulled Area 21 E5/115
1105 Pulled Area 21 E4/143
1108 Pulled Area 21 E3/144
1110 Pulled Area 21 E2/145
1113 Pulled Area 21 E1/146
Broke for lunch - went to H/P to get tubes scanned and wiped and hands and feet scanned.
1400 Return to Area 21 after wiping some tubes.
1408 Pulled Area 21 F7/110
1410 Pulled Area 21 F6/111
1412 Pulled Area 21 F5/112
1415 Pulled Area 21 F4/150
1417 Pulled Area 21 ~~F5~~ F3 /149 JPH 07/28/94
1418 Pulled Area 21 F2/148
1421 Pulled Area 21 F1/147
1425 Pulled Area 21 G1/154
1428 Pulled Area 21 G2/153
1431 Pulled Area 21 G3/152
1433 Pulled Area 21 G4/151
1435 Pulled Area 21 G5/109
JPH 7/28/94

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Juletta Humpert QA Checked By Tama M. Morrison

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 7-28-94 TIME: NA PAGE 4 OF 5

Task Team Members:

J.H. Pg. 86

GiL

JPH 7/28/94

Narrative (include time and location):

1437 Pulled Area 21 G6 /108
1443 Pulled Area 21 G7 /107
1442 Pulled Area 21 H7 /104
1445 Pulled Area 21 H6 /105
1449 Pulled Area 21 H5 /106
1452 Pulled Area 21 H4 /157
1454 Pulled Area 21 H3/156
1455 Pulled Area 21 H2 /97
1458 Pulled Area 21 H1 /155
1501 Pulled Area 21 I1 /161
1503 Pulled Area 21 I2 /160
1504 Pulled Area 21 I3 /159
1506 Pulled Area 21 I4 /158
1508 Pulled Area 21 I5 /103
1511 Pulled Area 21 I6 /102
1514 Pulled Area 21 I7 /101
1516 Pulled Area 21 J7/98
1520 Pulled Area 21 J6 /99
1525 Pulled Area 21 J5/100
1528 Pulled Area 21 J4/162

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Jolletta Humpert QA Checked By Laura M. Morrison

TASK TEAM ACTIVITY LOG SHEET SOILGAS

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

Date (mm/dd/yy): 7-28-94 TIME: NA PAGE 5 OF 5

Task Team Members:

J.H. pg. 87

G.L

JPH 7/28/94

Narrative (include time and location):

1530 Pulled Area 21 J3/163
1533 Pulled Area 21 J2/164
1535 Pulled Area 21 J1/165
Dropped tubes off at HP to be scanned. Also had Hands and feet scanned. Will wait for OK from T. Tank as to whether we should ship Area 21 tubes. - OK to ship.
Last Entry

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

Recorded By Joletta Humpert QA Checked By Tama M. Morrica

TASK TEAM ACTIVITY LOG SHEET SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 TASK NO.: 348966

Date (mm/dd/yy): 8-1-94 TIME: NA PAGE 1 OF 4

Task Team Members:

Juan Alvarado pg. 88

Chris Hulley

JPH 8/22/94

Narrative (include time and location):

0932 Set up Area 3 G-9 in gravel parking lot (gravel)

0936 Installed Area 3 G-9 Bag 21; Full; # 532

0937 move to Area 3 C-14, 15

0944 Set up Area 3 C-14 near traffic under gravel next to parking lot (sand)

0947 Installed Area 3 C-14 Bag 22; 10"; # 533

0948 Set up Area 3 C-15 near traffic under gravel next to parking lot (gravel & rock)

9/1/94 1052 Installed Area 3 C-15 Bag 22; Full; # 534

1000 Installed Area 3 D14; full; bag #19; #460

1008 Installed Area 3 E14; #461

1010 Installed Area 3 F14; #462

1012 Installed Area 3 G14; #463

1013 Installed Area 3 H13; #454

1015 Installed Area 3 J12; # ~~#430~~ JPH 8/1/94 #447

1018 Installed Area 3 E13; # 457

1043 Installed Area 3 F13; # 456

1045 moved to area 7 west

1054 Set up Area 7 J 10 High traffic in loose gravel wet clay 8-1-94

1050 Installed Area 7 J 10 Full; Bag 22; # 535

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Juan J. Alvarado 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): 8-1-94 TIME: NA PAGE 2 OF 4

Team Members:

J.A. Pg. 89

C.H.

JPH 8/22/94

Narrative (include time and location):

1100 Set up Area 7 J 11 very traffic grassy area silt
1101 Install Area 7 J 11 Full; Bag 22; # 536
1104 Set up Area 7 I 11 High traffic loose gravel next to road
1107 Install Area 7 I 11 Full; Bag 22; # 537
1108 Set up Area 7 I 10 High traffic (Hard rock)
1115 Install Area 7 I 10 Bag 22; 12"; # 538
1120 clean up lunch
1245 Set up Area 7 L-14 under asphalt High traffic HARD !!!!
6" of asphalt
1305 Install Area 7 L-14 Bag 22; 14"; # 539
1310 Set up Area 7 L-15 under asphalt High traffic Hard
1317 Install Area 7 L-15 Bag 22; Full; # 540
1320 Set up M15 under concrete High traffic
1329 Install Area 7 ~~L~~ M 15 for 8-1-94 Bag 22; Full; # 541 12" concrete
1" of sand @ bottom
1330 begin to quit crete L-14, L-15, M-15
1340 moved truck
1342 Set up Area 7 K-7 very traffic gravel weak
1346 Set up Area 7 K-6 very traffic gravel weak
1347 Install Area 7 K-7 Bag 22; Full; # 542

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8-1-94 TIME: NA PAGE 3 OF 4

Task Team Members:

pg. 90

JH

CH

8/2/94

Narrative (include time and location):

1350 ~~Set up~~ Install Area 7 K-6 Bag 22; Full; # 543 JH 8-1-94

1351 Set up Area 7 K-5 gravel near traffic collapse

1354 Install Area 7 K-5 Bag 27; 12"; # 544

1356 Set up Area 7 J-5 High traffic muddy near drainage culvert

1400 Install Area 7 J-5 Bag 27; Full; # 545

1402 Set up Area 7 J-6 High traffic under asphalt
had to move to road; side has concrete finish does
not allow debris out collapse.

1412 Install Area 7 J6 14"; Bag 27; # 546

1414 Set up Area 7 J7 under asphalt High traffic HARD

1425 Install Area 7 ~~J7~~ JH 8-1-94 J 7 Bag 27; # 547; 14"

1435 Set up Area 7 J8 under asphalt High traffic HARD!!!
~~Install Area 7 J8 Bag 27; # 548~~ JH 8-1-94

1448 Install Area 7 J8 Bag 27; # 548; 16"

1456 Set up Area 7 K9 High traffic Gravel

1502 Install Area 7 K9 Bag 27; # 549; 14"

1503 Set up Area 7 K 10 under asphalt High traffic Hard!!!

1525 Install Area 7 K 10 Bag 27; # 550; 14"

1528 Set up Area 7 K 11 under asphalt High traffic Hard!!!

1542 Install Area 7 K 11 Bag 27; # 551; Full

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] 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): 8-1-94 TIME: NA PAGE 4 OF 4

Team Members:

JA pg. 91

CH

JPH 8/22/94

Narrative (include time and location):

1545 Set up Area 7 J9 underpavement High traffic level!!!

1603 Install Area 7 J9 Bag 27; #552; 14"

1605 cement cap J-6; J-7; J-8; K-10; K-11; J-9

1610 clean back to trailer

Fast Entry JPH 8/1/94

8/1/94

1048 Pulled F11 in SDB Area /#336

1050 Pulled I8/482 in SDB

1054 Pulled I10/484 in SDB

1105 Pulled K10/321 in SDB

1120 Pulled I9/83 in SDB.

JPH 8/1/94

Daily Weather Conditions: A.M. mostly sunny 82°F humid

P.M. mostly cloudy 89°F

Recorded By [signature] 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): 08/08/94 TIME: 0700 : _____ PAGE 1 OF 5

Task Team Members:

M. Cramer — H. Robinson (HP)

C. Halley

pg. 107

Narrative (include time and location):

0700 At trailers to load equipment
0715 Signed Burn Permit w/ J. Geisler
Waiting for crew; call HP
0800 At Area J to begin the day's drilling activities.
0810 SETTING UP to begin Area J D 9 in Rocky Area
0825 Install Area J; D-9; Full; Bag #24; #642
0826 Set-up Area J D-10 in good earth.
0832 Install Area J D-10; Full; Bag #24; #643
0833 Set-up Area J D-11
0842 Install Area J D-11; Full; Bag #24; #644
0843 Set-up Area J D-12
0854 Install Area J D-12; Full; Bag #24; #645
0855 Set-up Area J D-13 Hit Rock at ≈15"
0907 Install Area J D-13; 16"; Bag #24; #646
0908 Set-up Area J C-13; in Rocky Area
0916 Install Area J C-13; Full; Bag #24 #647
0917 Set-up Area J C-12 Very hard clay; rocks
0927 Install Area J C-12; Full; Bag #24; #648

Daily Weather Conditions: A.M. Clear, sunny; ~76°, Slight Breeze

P.M. NA

Recorded By Marsha L Cramer 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): 8/8/94 TIME: NA PAGE 2 OF 5

Task Team Members:

see page 1 of 5 Pg. 108

JPH 8/22/94

Narrative (include time and location):

0928 Set up Area J C-11
0936 Install Area J C-11; Full; Bag#24; #649
0937 Set up Area J C-10; rocky area
0944 Install Area J C-10; Full; Bag#24; #650
0954 Install Area J C-9; Full; " ; #651
0955 Set up Area J C-8; rocks/soil
1005 Install Area J C-8; 16"; Bag#24; #652
1006 Setup Area J C-7 in Rock
1014 Install Area J C-7; Full; Bag#24; #653
1015 Setup Area J C-6
1023 Install Area J C-6; Full; Bag#24; #654
1031 Install Area J C-5; 15"; ~~Bg~~ Bag#24; 655
1032 Setup Area J B5; rocky area
1040 Install Area J B-5; 15"; Bag#24; #656
1041 Setup Area J ~~B-4~~ MLC 8/8/94 B-6 in Rocky Area
1051 Install Area J B-6; Full; Bag#24; #657
1052 Set up Area J B-7 in Rocky Area
1058 Install Area J B-7; Full; Bag#24; #658
1059 Set up Area J B-8 Next to Construction debris
1107 Install Area J B-8; Full; Bag#24; #659

Daily Weather Conditions: A.M. ~~NA~~ MLC 8/8/94 see page 1 of 5

P.M. NA

Recorded By Mandra Z Cannon 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): 08/08/94 TIME: NA PAGE 3 OF 5

Task Team Members:

see page 1 of 5 Pg. 109

gPH 8/22/94

Narrative (include time and location):

1108 Set up Area J B-9 Next to Construction Debris in Rocky Area
1116 Install Area J B-9; Full; Bag #24; #660
1117 Set up Area J B-10; In Construction debris ~ 5' away from road; High traffic
1124 Install Area J B-10; Full; Bag #24; #661
1125 Set up Area J B-11; same conditions as B-10 in Grass Area, very rocky
1137 Install Area J B-11; Full; Bag #24; #662
1138 Set up Area J B-12
1144 Install Area J B-12; Full Bag #24; #663
1145 Set up Area J B-13, rocky
1154 Install Area J B-13; Full; Bag #24; #664
1200 H. Robinson Scanned hands and feet
1205 Returned to trailer for lunch.

1300 Spoke to P. Bedard. Second timer results for Area 3 are as follows: For Both #364 and #369, Very light gPH weight petroleum hydrocarbon and cycloalkanes (i.e. toluene). Exposure time @ 3 week ok - pull this week.
Also - GC down - will analyze Area 7 timers #1 on 8/10 or 8/11 of this week.

Daily Weather Conditions: A.M. see page 1 of 5

P.M. NA

Recorded By Mark L Cr 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): 8/8/94 TIME: NA PAGE 4 OF 5

Task Team Members:

see page 1 of 5 pg. 110

JPH 8/22/94

Narrative (include time and location):

1305 At HP to get H. Robinson at Area J
1315 H. Robinson off site to take samples to lab
Making tubes while we wait.
1350 H. Robinson back on site
1355 Preparing to begin drilling activities for afternoon
1358 Set-up on Area J A 13, ~10ft from
road-high traffic, in soil
1401 Install Area J A13; Full; Bag# 23; #665
1402 Set-up area J A-12; near road high traffic, rock
1407 Install Area J A-12; Full; Bag# 23; #666
1408 Set-up Area J A-11; near road high traffic,
rocky area
1420 Install Area J A-11; Full; Bag#23; #667
1421 Setup Area J A-10; In construction debris,
near road, high traffic.
1430 Install Area J A-10; Full; Bag 32 #668
1432 Setup Area J A-9; lots of construction debris
Near Road.
1439 Install J A-9; Full; Bag 32; #669

Daily Weather Conditions: A.M. NA

P.M. P. Cloudy, Sunny, ~85°F

Recorded By Martha Z Crow 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): 8/8/94 TIME: NA PAGE 5 OF 5

Task Team Members:

see p. 1 of 5 pg. 111

JPH 8/22/94

Narrative (include time and location):

1440 Setup JA-8 Point 4 ft west due to asphalt. Construction Debris / Trailer in area. Muddy soil / rocks.

1445 Install JA-8; Full; Bag 32; #670

1446 Setup JA7; Asphalt. Construction Debris. 50 ft from Rd.

1500 Install JA7; Full; Bag #32; #671

1507 Setup JA6; Rocky Soil

1522 Install JA6; Full; Bag #24; #672

1523 Set up JA5 Approx 20 ft. from water tower Rocky Soil

1531 Install JA5; Full; Bag #24; #673

1532 Set up JA4, ~15 ft from water tower, rocky soil

1537 Install JA4; Full; Bag #23; #674

1538 Set up JA3 on Asphalt ~50 ft from high traffic road

1548 Install JA3; Full; Bag # 32; #675

1600 HANDS & FEET SCANNED. LEAVE FOR TRAILER. Last Entry

Daily Weather Conditions: A.M. NA

P.M. See p. 4 of 5

Recorded By Marlin L. Cross 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): 8-10-94 TIME: NA PAGE 1 OF 4

Task Team Members: pg. 124

Joletta Humpert (TEAM 2)
Greg Loder

Narrative (include time and location):

0833 Onsite at area 3 to pull.
Pulling 012/370.
0835 Pulling 011/395.
0838 Attempting to pull 010/396 - Wire came detached. Sample tube installed through concrete slab - no way to retrieve. Abandon.
0842 009/398 pulled.
0845 008/~~399~~ 400 pulled - tube broke on retrieval - wires retrieved and placed in empty tube.
0847 Pulling 007/402.
0849 Pulling 006/404.
0850 Pulling 005/406.
0853 Pulling 004/408.
0855 Pulling 003/410.
0858 Pulling 002/412.
0859 Pulling 001/414.
0900 Pulling N01/415.
0902 Pulling N02/413.
0905 Pulling N03/411.
0908 Pulling N04/409.

Daily Weather Conditions: A.M. P. Sunny 70°F
P.M. NA

Recorded By Joletta Humpert QA Checked By Laura M. Morrison 8/23/94

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

(mm/dd/yy): 8-10-94 TIME: NA PAGE 2 OF 4

Task Team Members: Pg. 125

J.H.

G.L.

JPH 8/22/94

Narrative (include time and location):

0910 Pulling N05/407.
0912 Pulling N06/405. Black liner still on tube when pulled.
0915 Pulling N07/403.
0917 Pulling N08/401.
0920 Pulling N09/399.
0924 Pulling N10/397.
0926 Pulling N11/394
0928 Pulling N12/369
0930 Pulling M12/416
0935 Pulling M11/417
0938 Pulling M10/418
0940 Pulling M09/419
0943 Pulling L10/420.
0953 Pulling K10/423.
0956 Pulling J10/424.
0958 Pulling I10/425.
1003 Pulling H11/435
1005 Pulling G11/434.
1006 Pulling L11/421.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Jolitta Humpert QA Checked By Laura M. Morrison 8/23/94

TASK TEAM ACTIVITY LOG SHEET SOILGAS

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

Date (mm/dd/yy): 8/18/94 TIME: NA PAGE 3 OF 4

Task Team Members:

pg. 126

J.H.

G.L.

GPH 8/22/94

Narrative (include time and location):

1108 Pulling L12/422.
1123 Pulling J10/424.
1124 Pulling H10/435
1137 Pulling G10/427
1140 Pulling E10/429 1146 Pulling E11/432
1150 Pulling F11/433.
1155 Pulling F10/428
Break for lunch.
1351 Pulling D11/431
1400 Pulling B12/364
1415 Pulling C11/430
1419 Pulling A14/367
1425 Pulling A13/366 - tube broken on retrieval - wires transferred to empty tube
1428. Pulling B14/368
1430 Pulling B13/365 - tube broken on retrieval - wires transferred to empty tube.
1432 Pulling B15/381
1434 Pulling B16/382
1438 Pulling B17/383

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

P.M. Sunny 85°F

Recorded By Juletta Humpert QA Checked By Laura M. Morrison 8/23/94

TASK TEAM ACTIVITY LOG SHEET SOILGAS

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

Date (mm/dd/yy): 8/10/94 TIME: NA PAGE 4 OF 4

Task Team Members:

J.H.

G.L

Pg. 127

JPH 8/22/94

Narrative (include time and location):

1440 Pulling B19/384
1444 Pulling B20/385
1450 Pulling B21/386
1451 Pulling B22/1450 - tube broke; also out of ground laying on surface big hole. - wires transferred to clean tube
1456 Pulled B23/388
1458 Pulled A23/393
1500 Pulled A22/392
1503 Pulled A21/391.
1505 Pulled A19/389.
1515 Pulled A20/390.
Return to trailer.
Last Entry

Note: See pg. 53 and 54 in non-AOC logbook for Area 3 installation and retrieval data.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By Laura M. Morrison 8/23/94

TASK TEAM ACTIVITY LOG SHEET SOILGAS

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

Date (mm/dd/yy): 8-15-94 TIME: NA PAGE 1 OF 4

Team Members:

J. Humpert Pg. 141

P. Parrish

Narrative (include time and location):

Call from P. Bedard. Area J timer #1 exposure results.

617 - moderate levels of toluene + other BTEX

630 - little or no results

640 - low levels of BTEX

Recommended pulling timers #2 on 12 or 13 days of exposure and sending for analysis.

Ø8ØØ Off to Area 7 to pull samplers. Met Security at gate.

Ø8Ø9	Pulling M9/489	ØØØØ	Pulling M8/488
Ø812	Pulling M1Ø/495	Ø913	Pulling K7/542
Ø817	Pulling M11/496	Ø914	Pulling K6/543
Ø825	Pulling L1Ø/553	Ø915	Pulling K5/544
Ø827	Pulling K8/554	Ø917	Pulling J5/545
Ø833	Pulling L5/490	Ø923	Pulling J6/546
Ø833	Pulling M6/486	Ø926	Pulling K9/549
Ø837	Pulling M7/487	Ø929	Pulling J1Ø/535
Ø839	Pulling M5/485	Ø932	Pulling J11/536
Ø847	Pulling L9/494	Ø946	Attempted to pull J10/538 - tube broke - wires unable to be retrieved.
Ø845	Pulling L8/493		

L7 and L6 unable to be retrieved.

Daily Weather Conditions: A.M. Partly Cloudy 75°F

P.M. Partly Sunny 80°F

Recorded By Joletta Humpert QA Checked By Laura M. Morsilas 8/23/94

TASK TEAM ACTIVITY LOG SHEET SOILGAS

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

Date (mm/dd/yy): 8/15/94 TIME: NA PAGE 2 OF 4

Task Team Members:

J. Humpert pg. 142

P. Parrish

Narrative (include time and location):

0950 Pulling I11/537 0955 Pulling H10/616

1003 Pulling P16/555 and N17/579

1004 Pulling N18/580

1005 Pulling P17/556 and N19/581

1006 Pulling N20/582 and P18/557

1007 Pulling N21/583 1008 Pulling P19/558

1010 Pulling P20/559 and Q21/561

1012 Pulling P21/560 and Q20/562

1014 Pulling Q19/563 1015 Pulling R21/571

1016 Pulling Q18/564 1017 Pulling R20/570 + Q17/565

1018 Pulling R19/569 and R17/566

1021 Pulling R18/568

1023 Pulling R16/567

Move to Area 3 to pull.

1047 Pulling A3 C12/441 1045 Pulling E12/443

1048 Pulling F12/444 1051 Pulling G12/445

1052 Pulling H12/446 1054 Pulling I12/447

1056 Pulling J12/448 1058 Pulling D12/1058

1100 Pulling K12/449

Break for lunch - head to trailers

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By Laura M. Morrison 8/23/94

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 8-15-94 TIME: NA PAGE 3 OF 4

Task Team Members:

J.H. pg. 143

P.P.

Narrative (include time and location):

1300 Return from lunch - log falls into logbook. Try to contact security.

1320 Go to area 7 to continue pulling tubes.

1335 Pulling I5/574

1338 Pulling I6/575 1340 Pulling H6/572

1343 Pulling H5/573 1347 Pulling I7/576

1354 Pulling I8/577 1357 Pulling I9/578

1400 Pulling J9/552 1402 Pulling J8/548

1406 Pulling J7/547 1408 Pulling K10/550

1412 Pulling K11/551 1415 Pulling L14/539

1419 Pulling L15/540 1422 Pulling M15/541

1430 Went w security to Gate 33 to stake points in Area 3 O13-15, N14-N15, and M15. Contacted J. Geisler that these were staked - will verify locations tomorrow. Waiting for security to let P.P. back inside the gate.

1500 Begin pulling again in Area 3.

1505 Pulling M14/475 1508 Pulling N13/476

1510 Pulling M13/477 1514 Pulling L14/474

1520 Pulling K13/472 1524 Pulling J13/471

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By Laura M. Morrika 8/23/94

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 8-15-94 TIME: NA PAGE 4 OF 4

Task Team Members:

J.H. Pg. 144

P.P.

Narrative (include time and location):

1526 Pulling I13/470 and L13/478

1532 Pulling K14/473 1543 Pulling I14/465

1535 Pulling H14/464 1544 Pulling F14/462

1547 Pulling E14/461 1549 Pulling D14/460

1600 Pulling E13/457 1601 Pulling F13/456 + D13/458

1603 Pulling H13/454 1610 Pulling G13/455.

Return to trailer. Will get tubes for area scanned all at once prior to shipping.

1645-~~1500~~ 8/15/94 - 1730 Updating logbook.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By J. Hummert QA Checked By Laura M. Morrison

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 — TASK NO.: 348962

Date (mm/dd/yy): 8/17/94 TIME: NA PAGE 2 OF 3

Task Team Members:

J. H. pg. 152

P. P.

Narrative (include time and location):

0955 Patching soil gas holes at A4, B4, C4, D4 in Area 7.
1000 JH moves to Area 7 O lines to pull.
1007 Pull O16/584
1012 Pull O17/586 1014 Pull O18/587
1016 Pull O19/588 1018 Pull O20/589
1019 Pull O21/590 1021 Pull S21/591
1023 Pull ~~O20~~ S20/592 1025 Pull S19/593
1027 Pull S18/594 1032 Pull S16/596 (water in hole in parking lot).
1036 Pull S17/595 (in parking lot - water 1/4 way up in hole.
1041 Pull N16/485
Back to HP to drop off Area 7 tubes. Pick up others.
1112 Pull A15/436 in Area 3
1114 Pull A16/437 (Area 3)
1115 Pull A17/438 (Area 3)
1118 Pull A18/439 (Area 3)
1120 Pull B18/440 (Area 3)
JH 8/17/94 ~~1026~~ 1126 Pull C14/533 and C15/534 (Area 3)
~~1029~~ 1129 Pull G9/532 (Area 3)
1134 Pull I9/452 (Area 3)
1142 Pull K11/450 (Area 3)

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By Laura M. Morrison 8/23/94

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

DATE (mm/dd/yy): 8/17/94 TIME: NA PAGE 3 OF 3

Task Team Members:

J.H pg. 153

P.P

Narrative (include time and location):

1140 Attempted to pull I11/451 - gravel road - "guy" wire broke when trying to retrieve; tube not visible. After digging, not able to find tube.

1145 Pull H9/453 - hole had collapsed but was able to retrieve wires from broken tube. Wires a little mangled but placed in clean test tube.

Drive to lower part of Area J - car almost stuck - walk to the top.

1155 Pull Area J timer 2 #630/K4. Drive around to top area.

1200 Pull Area J timer 2 D7/640

1205 Pull Area J timer 2 G13/617

Will fedex these to NERI tonight.

1210 Break for lunch. Organizing Area 7 tubes.

1230-1330 Sorting Area 7 tubes for shipment

1340 Off to pull Area 61 timer A3

1345 Patching soil gas locations in Area 7; G8 and all others in roadway.

1430 Completed patching. Go to Area 61 to pull timer #1. Pull A3/765. Return to trailer after picking up tubes from HP.

1500 Package Area 7 tubes and Area J #2 timers and Area 61 timer. Fedex to NERI. Airbill # 2169356372. Last Entry.

Daily Weather Conditions: A.M. NA

P.M. Warmer @ 85°F, Partly Sunny

Recorded By Joletta Humpert QA Checked By Laura M. Morales 8/23/94

TASK TEAM ACTIVITY LOG SHEET

SOILGAS AREA J

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

TASK NO.: 34896

(mm/dd/yy): 8-24-94 TIME: NA PAGE 1 OF 3

Task Team Members:

Pg. 155

Joletta Humpert
Paul Parrish

Narrative (include time and location):

0825 Onsite at area J to pull. P.P. starting on B line. JH on A line. A line very wet through A7 to A13.
0828 Pulled A13/665 and B12/663
0829 Pulled B11/662
0830 Pulled A12/666 and B10/661
0833 Pulled A11/667 0834 Pulled B9/660
0835 Pulled A10/668 and B8/659
0838 Pulled A9/669 and B7/658
0842 Pulled A8/670 and B6/657
0844 Pulled B5/656
0848 Attempting to retrieve A7/671 - stuck in asphalt - guy wire broke - abandonned
0850 Pulled A6/672
0852 Pulled A5/673
0855 Pull A4/674 - tube broke on retrieval - only one wire recovered - transferred to clean tube.
0900 Pulled A3/675.
P.P attempting to retrieve B13
0903 Pulled C13/647
0908 Pulled C12/648 0910 Pulled 649/~~610~~ C11

JPH 8/25/94

Daily Weather Conditions: A.M. Sunny, @ 70°F, Slight breeze from S

P.M. NA

Recorded By Joletta Humpert QA Checked By Paul Parrish

TASK TEAM ACTIVITY LOG SHEET

SOILGAS

Area J

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

TASK NO.: 34896

Date (mm/dd/yy): 8-24-94 TIME: NA PAGE 2 OF 3

Task Team Members:

Joletta Humpert pg. 156

Paul Parrish

JPH 8/24/94

Narrative (include time and location):

Ø913 Pulled C1Ø/65Ø

Ø916 Pulled C9/651 - very wet soil!

Ø922 Pulled D13/646

Ø925 Pulled D12/645

Out of caps - back to trailer to get more!

Ø94Ø Back at Area J

Ø942 Pulled D11/644 and C8/652

Ø945 Pulled D1Ø/643 and C7/653

Ø948 Pulled D9/642 and C6/654. D9 very wet!

Ø95Ø Pulled D8/641 and C5/655

Ø952 Pulled D7/640 and E6/638

Ø954 Pulled E7/637

Ø955 Pulled D6/639

Ø956 Pulled E8/636

Ø957 Pulled F7/~~633~~ 623 - tube broke on retrieval - wires transferred to clean tube JPH 8/24/94

Ø958 Pulled E9/635 - tube broke on retrieval - wires transferred to clean tube.

1ØØ2 Pulled E1Ø/634; Attempting retrieval of F11 627

1ØØ4 Pulled E11/633

1ØØ6 Pulled E12/632 tube broke on retrieval - wires transferred

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By Paul Parrish

TASK TEAM ACTIVITY LOG SHEET

SOILGAS
Area J AOC 61
TASK NO.: 34896

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

Date (mm/dd/yy): 8-24-94 TIME: NA PAGE 3 OF 3

Task Team Members:

P.P.

J.H

pg. 157

JPH 8/24/94

Narrative (include time and location):

1010 Pulled E13/631
1012 Pulled E9/625 and G13/617
1015 Pulled G12/618 and F10/626
1018 Pulled G11/619
1020 Pulled G10/620
1022 Pulled G9/621
1030 "Guy" wire broke on F11/627 - unable to locate tube - hole abandonned.
1032 Pulled F12/628 - "guy" wire broke - moved to F13
1034 Pulled F13/629 - return to F12 to dig!
F12 installed through large large limestone slab
Guy wire broke when attempting retrieval - abandonned.
B13/604 also unable to be retrieved - collapse and guy wire broke - abandonned
1050 Pulled second timer in Area 61: A3/765 - shipped to NERI - fidex. Airbill # 2169356361 SPH 8/25/94 374-8278-825
1100-1230 Sorted Area 3 tubes in preparation of shipment.
1240 Offsite - headed for office.
Last Entry

Weather Conditions: A.M. NA

P.M. NA

Recorded By Juliette Humpest QA Checked By Paul Pyanski

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 9/1/94 TIME: NA PAGE 1 OF 2

Task Team Members:

Joletta Humpert Pg. 164

Brad Richardson

Narrative (include time and location):

0800 Onsite at Trailer
0830 Out to finish Area J.
0850 Pulled G1/797
0854 Pulled H1/791
0858 Pulled I1/790
0900 Pulled J1/789
0905 Pulled K1/788
0908 Pulled K2/795 - wet
0916 Pulled J2/794
0919 Pulled I2/793
0921 Pulled H2/792
0925 Pulled G2/796
0928 Patch hole in Area J with blacktop patch.
0930 Move to area 61 to pull 763-769.
0937 Pulled A5/763
0940 Pulled A4/764
0943 Pulled A3/765
0944 Pulled A2/766
0946 Pulled A1/767
0948 Pulled B1/768

Daily Weather Conditions: A.M. Partly Sunny, @ 60F

P.M. NA

Recorded By Joletta Humpert 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): 9/1/94 TIME: NA PAGE 2 OF 2

Task Team Members:

J.H. pg. 165

B.R. 9/2/94

Narrative (include time and location):

0950 Pulled B1/769. Done pulling in Area 61.

Move to Area 3. Waiting for security to open Gate 33

1002 Pulled M15/885 Security arrives. Outside gate #33.

1006 Pulled N14/884

1010 Pulled N15/883

1012 Pulled O15/882

1014 Pulled O14/881

1016 Pulled 013/880

1018 Call Security to get back inside plant gate #33.

1020 Security arrives - were back in.

1025 Go to Area ~~J~~ 3 to patch any holes.

1040 Stop at HP - Will get tubes wiped for shipment.

1045 B.R. leaves site. J.H. sorting tubes from Area J and Area 3 - readying for shipment.

1150. Call HP - tubes still not scanned. R. Moss said he would do them right away + call.

1215 Received tubes - OK to ship. Shipped Area J and Area 3 - airbill # 1558921221. Fast Entry.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUND OU5 NEW PROPERTY, EXTENDED PHASE — TASK NO.: 34896

Date (mm/dd/yy): 8/18/94 TIME: NA PAGE 1 OF 6

Task Team Members: Pg. 49

M. Cramer — H. Robinson

C. Halley

Narrative (include time and location):

0700 Arrive at trailers to get ready for the day.
0707 Signed burn permit with J. Geisler.
0725 At HP to secure coverage for the morning
Went over permits.
0732 Arrive on site; behind building 73 & 61.
0735 Health & Safety briefing given
Topics discussed: fire hazards & generators.
0740 Returned to trailer for left behind equipment.
0750 At Bldg. 73
0810 Setup 23N5' in grassy area
0815 Install 23N5, full, bag 33; #861
0816 Setup 22N5' in grassy area
0821 Install 22N5' Full; bag 33; #862
0822 Set up 22N4' in grassy area
0830 Install 22N4', Full; bag 33; #863
0832 Setup 21N5' in grassy area
0835 Install 21N5' Full; bag 33; #864
0837 Setup 23N3'; in weeds; rocky soil
0844 Install 23N3; Full; bag 33; #865
0847 Setup 24N6; along asphalt pond in asphalt.

Daily Weather Conditions: A.M. hazy, Cool 70°F

P.M. NA

Recorded By Marlo L Cramer QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUND OU5 NEW PROPERTY, EXTENDED PHASE — TASK NO.: 34896

Date (mm/dd/yy): 8/18/94 TIME: NA PAGE 2 OF 6

Task Team Members: pg. 50

see page 1 of 6

8/26/94

Narrative (include time and location):

0900 Install 24N6; Full; bag 33; #866
0912 At 26N2
~~0815~~ 8/18/94 0917 Set up 28N2' in grass ~25 ft. from entrance gate road. Mod. to high traffic
0922 Install 28N2; Full; bag 33; #867
0926 Set up 21N4' along side of moderate traffic road. In sand.
0930 Install 21N4; Full; bag 33; #868
0939 Set up 26N8. Along side of moderate traffic road; in rocks/gravel
0950 Install 26N8; Full; bag 33; #869
0952 Relocated 26N9 to top of hill alongside access roads
0959 Go to relocate 19N8.
1015 Call J. Geisler to inform her that these points were relocated and need rescanned.
1020 Set up 24N7' in parking lot asphalt
1025 Install ~~27K~~ 24N7; Full; bag 33; #870
1029 Set up 23N8; in parking lot asphalt
1035 Install 23N8; Full; bag 34; #871

Daily Weather Conditions: A.M. Cloudy, ~75°F

P.M. NA

Recorded By Mark Z Crane QA Checked By Juliette Hemmpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUND OU5 NEW PROPERTY, EXTENDED PHASE — TASK NO.: 34896

Date (mm/dd/yy): 9/18/94 TIME: NA PAGE 3 OF 6

Task Team Members: pg. 51

See page 1 of 6

JpH 8/26/94

Narrative (include time and location):

1040 Set up 22 N8; in parking lot asphalt
1045 Install 22 N8; Full; bag 34; #872
1049 Set up 21 N8 in parking lot asphalt
1055 Install 21 N8; Full; bag 34; #873
1057 Set up 21 N9; same conditions
1100 Install 21 N9; Full; bag 34; #874
1104 Set up 22 N9; in parking lot asphalt
1115 Install 22 N9; Full; bag 34; #875
1125 Set up 21 N 10; Rocky Soil / Drainage Area
1132 Install 21 N 10; Full; Bag #34; #876
1136 Set up 20 N 11; Asphalt Drive; Near Road
1141 Install 20 N 11; Full; Bag #34; #877
* Area J K7 #878; duplicate number used
1155 Scanned feet & hands - putting cement over samples done in parking lot
1310 At HP to do permits w/ J. Geisler
1335 At 20 N line
1340 Set up 20 N5; in middle of road; in asphalt
1341 20 N6 encountered high rad readings

Daily Weather Conditions: A.M. see page 2 of 6
P.M. P.Cloudy, Humid, ~80°F

Recorded By Mark L Crouse QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET SOIL GAS

PROJECT NAME: EG&G MOUND OU5 NEW PROPERTY, EXTENDED PHASE TASK NO.: 34893

Date (mm/dd/yy): 8/18/94 TIME: NA PAGE 4 OF 6

Pg. 52

Task Team Members:

See page 1 of 6

JPH 8/26/94

Narrative (include time and location):

moved point ~ 4 ft from stake back to rad background levels.

1353 Install 20 N5; full; bag 34; # 879

1355 H. Robinson informed that at 20N7 he encountered very high rad approx 40k on out channel, will have to take sample to determine what it is and what actions to take.

1400 Area on 20N6 where rad is background is not able to be drilled due to collapse. H. Robinson took soil sample of 20N6 to also determine what we are dealing with and the appropriate actions.

1417 J. Geesler on site to find relocated 19N8. Gave permits that we needed for Area 3. Will continue there. Packed up equipment.

1430 Arrive at Gate 33. Called Security to unlock gate.

1446 Security on site to unlock gate.

Daily Weather Conditions: A.M. NA

P.M. See page 3 of 6

Recorded By Mark L Crum QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUND OU5 NEW PROPERTY, EXTENDED PHASE — TASK NO. 34896

Date (mm/dd/yy): 8/18/94 TIME: NA PAGE 5 OF 6

Pg. 53

Task Team Members:

see page 1 of 6

JPH 8/26/94

Narrative (include time and location):

1504 All of crew is ready. We are locked out in the perimeter to finish Area 3.
1506 Setup Area 3 013; in tall weeds.
1514 Install A3 013; Full; bag 34; #880
1515 Setup Area 3 014; in tall grass.
1520 Install A3 014; 14"; bag 34; #881
1521 Setup Area 3 015; weeds/gravel
1526 Install A3; Full; bag 34; #882
1527 Setup Area 3 N15; in railroad tracks; very loose backfill 1528 Install N15; 9"; bag 34; #883
1528 Setup ~~Area~~ Area 3 N14; in gravel/loose rocks.
1534 Install Area 3 N14; 10"; bag 34; #~~885~~ 884 JPH 8/26/94
1536 Called security to get gate unlocked
1606 WE ARE FREED!
1608 SETUP AREA 3 M15; in Rocks/gravel.
1610 Install A3 M15; 9"; bag 34; #885
1612 Scanned out.
1617 Pulled Area 3 G15 # 469
1620 Tried pulling H15 wire broke cannot get it.

Daily Weather Conditions: A.M. NA

P.M. see page 3 of 6

Recorded By Mark T. Cramer QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET SOIL GAS

PROJECT NAME: EG&G MOUND OU5 NEW PROPERTY, EXTENDED PHASE TASK NO: 34896

Date (mm/dd/yy): 8/18/94 TIME: NA PAGE 6 OF 6

Pg: 54

Task Team Members:

see page 1 of 6

JPH 8/26/94

Narrative (include time and location):

1632 Pulled I 15 #467

1640 Returned to trailers

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. See page 3 of 6

Recorded By Marta Z Crane QA Checked By Joletta Humpert

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 224 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
				QPH 8/22/94				
13FØ1		798	8/16/94 Ø859	9/7/94 Ø815	ND	ND		full ; bag 36
13FØ2		799	8/16/94 Ø906	9/7/94 Ø817	ND	ND		8" ; bag 36
13FØ3		8ØØ	8/16/94 Ø913	9/7/94 Ø818	ND	ND		16" ; bag 36
13FØ4		8Ø1	8/16/94 Ø921	9/7/94 Ø819	ND	ND		full ; bag 36
13FØ5		8Ø2	8/16/94 Ø926	9/7/94 Ø82Ø	ND	ND		full ; bag 36
13FØ6		8Ø3	8/16/94 Ø933	9/7/94 Ø822	ND	ND		full ; bag 36
				QPH 8/22/94				
3A12								
3A13		366	7/18/94 Ø952	8/1Ø/94 1425	ND	ND		Bag #14 ; 14"
3A14		367	7/18/94 Ø955	8/1Ø/94 1419	ND	ND		Bag #14 ; full
3A15		436	7/25/94 0931	8/17/94 1112	ND	ND		Bag 16 ; 14"
3A16		437	7/25/94 0936	8/17/94 1114	ND	ND		Bag 16 ; 12"
3A17		438	7/25/94 0943	8/17/94 1115	ND	ND		Bag 16 ; 14"
3A18		439	7/25/94 0948	8/17/94 1118	ND	ND		Bag 16 ; 14"
3A19		389	7/19/94 1Ø4Ø	8/10/94 1505	ND	ND		Bag 26 ; 14"
3A2Ø		390	7/19/94 1Ø52	8/10/94 1515	ND	ND		Bag 26 ; full

SOIL GAS SURVEY (PETREX)

PROJE[illegible] NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 225 PROJ[illegible] 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
3A21		391	7/19/94 1104	8/10/94 1503	ND	ND		Bag 26; full
3A22		392	7/19/94 1117	8/10/94 1500	ND	ND		Bag 26; 16"
3A23		393	7/19/94 1125	8/10/94 1458	ND	ND		Bag 26; 14"
			JPH 8/22/94					
3B12		364	7/18/94 0913	8/10/94 1400	ND	ND		Bag #14; Full
3B13		365	7/18/94 0924	8/10/94 1430	ND	ND		Bag #14; 8"
3B14		368	7/18/94 1004	8/10/94 1428	ND	ND		Bag 14; 8"
3B15		381	7/19/94 0832	8/10/94 1432	ND	ND		Bag 14; full
3B16		382	7/19/94 0847	8/10/94 1434	ND	ND		Bag 14; full
3B17		383	7/19/94 0858	8/10/94 1438	ND	ND		Bag 14; 14"
3B18	440	~~384~~	~~7/19/94 0922~~ 7-25-94 0954	8/17/94 1120	~~ND~~ ND	~~ND~~ ND		~~Bag 14; full~~ Bag 16; 14" #a 7/19
3B19		384	7/19/94 0922	8/10/94 1440	ND	ND		Bag 14; full
3B20		385	7/19/94 0932	8/10/94 1444	ND	ND		Bag 14; full
3B21		386	7/19/94 0949	8/10/94 1450	ND	ND		Bag 14; full
3B22		387	7/19/94 1002	8/10/94 1451	ND	ND		Bag 14; 14"
3B23		388	7/19/94 1015	8/10/94 1456	ND	ND		Bag ~~14~~ 26 #a 7-19-94; 14"
3B12	364/T1		7/18/94 0935	7/25/94 1315	ND	ND		Timer #1
3B12	364/T2		7/18/94 0941	7/28/94 0915	ND	ND		Timer #2

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 226 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
			gpH 8/22/94					
3C11		430	7/20/94 1504	8/10/94 1415	NA	NA		Bag 15; Full
3C12		441	7/25/94 1012	8/15/94 1047	ND	ND		Bag 16; Full
3C13	JHD 10/15/94 NOT RETRIEVED	459	7/25/94 1453	lost	ND	ND		Bag 18; 14"
3C14		533	8/1/94 0947	8/17/94 1136	ND	ND		Bag 22; 10"
3C15		534	8/1/94 0952	8/17/94 1136	ND	ND		Bag 22; Full
3C16								
3C17								
			gpH 8/22/94					
3D11		431	7/20/94 1506	8/10/94 1351	NA	NA		Bag 15; full
3D12		442	7/25/94 1018	8/15/94 1058	ND	ND		Bag 16; full
3D13		458	7/25/94 1443	8/15/94 1601	ND	ND		Bag 19; full
3D14		460	7/25/94 1502	8/15/94 1549	ND	ND		Bag 18; full
3D15								Building here
3D16								+ new asphalt
			gpH 8/22/94					

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 227 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 8/22/94					
3E10		429	7/20/94 1457	8/10/94 1140	ND	ND		Bag 15" full
3E11		432	7/20/94 1520	8/10/94 1146	ND	ND		Bag 15 12"
3E12		443	7/25/94 1023	8/15/94 1045	ND	ND		Bag 16; full
3E13		457	7/25/94 1435	8/15/94 1600	ND	ND		Bag 19; 8"
3E14		461	7/25/94 1509	8/15/94 1547	ND	ND		Bag 19; Full
3E15								Building located
3E16								here + new
								asphalt
			JPH 8/22/94					
3F10		428	7/20/94 1437	8/10/94 1155	ND	ND		Bag 15"; 12"
3F11		433	7/20/94 1531	8/10/94 1156	ND	ND		Bag 15; Full
3F12		444	7/25/94 1026	8/15/94 1048	ND	ND		Bag 16; Full
3F13		456	7/25/94 1427	8/15/94 1601	ND	ND		Bag 19; 8"
3F14		462	7/25/94 1514	8/15/94 1544	ND	ND		Bag 19; Full
3F15								Building + new
3F16			JPH 8/22/94					asphalt

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 228 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
			Spill 8/22/94					
3GØ9		532	8/1/94 0932	8/17/94 1129	ND	ND		Bag 21; Full
3G1Ø		427	7/20/94 1424	8/1Ø/94 1137	ND	ND		Bag 15; full
3G11		434	7/20/94 1537	8/1Ø/94 1ØØ5	ND	ND		Bag 15; full
3G12		445	7/25/94 1031	8/15/94 1Ø51	ND	ND		Bag 16; full
3G13		455	7/25/94 1416	8/15/94 16 1Ø	ND	ND		Bag 19; 12"
3G14	NOT RETRIEVED VTAD 10/25/94	463	7/25/94 1520	Unable to retrieve	ND	ND		Bag 19; Full - wires lost
3G15		469	7/26/94 0855	8/18/94 1617	ND	ND		Bag 9; 12"
3G16								
			Spill 8/22/94					
3HØ9		453	7/25/94 1135	8/17/94 1129	ND	ND		Bag 18; 14"
3H1Ø		426	7/20/94 1413	8/1Ø/94 1124	ND	ND		Bag 15; full
3H11		435	7/20/94 1547	8/1Ø/94 1ØØ3	ND	ND		Bag 15; 12"
3H12		446	7/25/94 1040	8/15/94 1Ø52	ND	ND		Bag 16; full
3H13		454	7/25/94 1404	8/15/94 16Ø3	ND	ND		Bag 19; full
3H14		464	7/25/94 1523	8/15/94 1535	ND	ND		Bag 19; Full

SOIL GAS SURVEY (PETREX)

PROJECT [redacted]E: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 [redacted] PG. 229 PROJEC[redacted].: 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
3H15	JMS 10/15/94 NOT RETRIEVED	468	7/25/94	NA	ND	ND		Bag 19 ; Unable to retrieve wire broke.
			JPH	8/22/94				
3I09		452	7/25/94 1127	8/17/94 1134	ND	ND		Bag 19; full
3I10		425	7/20/94 1406	8/10/94 0958	ND	ND		Bag 15; full
3I11	JMS 10/15/94 NOT RETRIEVED	451	7/25/94 1122	Lost	ND	ND		Bag 19; full
3I12		447	7/25/94 1047	8/15/94 1054	ND	ND		Bag 16; full
3I13		470	7/26/94 0830	8/15/94 1526	ND	ND		Bag 19; 10"
3I14		465	7/25/94 1527	8/15/94 1543	ND	ND		Bag 19; Full
3I15		467	7/25/94 1537	8/18/94 JPH 8/23/94 1632	ND	ND		Bag 19; Full
				JPH 8/22/94				
~~3J09~~	JPH 8/7/94							not a point
3J10		424	7/20/94 1359	8/10/94 0956	ND	ND		Bag 15 full
~~3J11~~	JPH 8/7/94							bldg here
3J12		448	7/25/94 1053	8/15/94 1056	ND	ND		Bag 16; full
3J13		471	7/26/94 0835 0840	8/15/94 1524	ND	ND		Bag 19; 16"

JA 7-29-94

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 23Ø 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
~~3J14~~	No Entry	JPH 8/22/94						
3J14 ~~3J15~~ JPH 8/7/94	Not RETRIEVED DID 10/15/94	466	7/25/94 1532	lost	NN	NN		Bag 19; 12"
				JPH 8/22/94				
~~3K00~~ JPH 8/7/94								
3K1Ø		423	7/20/94 1351	8/1Ø/94 Ø953	NN	NN		Bag 15; 10"
3K11		450	7/25/94 1113	8/17/94 1142	NN	NN		Bag 19; Full
3K12		449	7/25/94 1107	8/15/94 11ØØ	NN	NN		Bag 19; Full
3K13		472	7/26/94 0940	8/15/94 152Ø	NN	NN		Bag 19; Full
3K14		473	7/26/94 0951	8/15/94 1532	NN	NN		Bag 19; 14"
~~3K15~~ JPH 8/7/94								
			JPH 8/22/94					
8/7/94 JPH ~~3L09~~								
3L1Ø		420	7/20/94 1111	8/1Ø/94 Ø943	NN	NN		Bag 15; 10"
3L11		421	7/20/94 1122	8/1Ø/94 1ØØ6	NN	NN		Bag 15; 14"
3L12		422	7/20/94 1130	8/1Ø/94 11Ø8	NN	NN		Bag 15

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 231 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
3L13		478	7/26/94 1032	8/15/94 1526	ND	ND		Bag 9; 8"
3L14		474	7/26/94 0958	8/15/94 1514	ND	ND		Bag 9; 10"
~~3L15~~ 3M14 8/7/94								
			QPH 8/22/94					
3MØ9		419	7/20/94 1102	8/1Ø/94 Ø94Ø	ND	ND		Bag 15; Full
3M1Ø		418	7/20/94 1053	8/1Ø/94 Ø938	ND	ND		Bag 15; Full
3M11		417	7/20/94 1046	8/1Ø/94 Ø935	ND	ND		Bag 15; 12"
3M12		416	7/20/94 1041	8/1Ø/94 Ø93Ø	ND	ND		Bag 15 #; 7"
3M13		477	7/26/94 1019	8/15/94 151Ø	ND	ND		Bag 9; 10"
3M14		475	7/26/94 1005	8/15/94 15Ø5	ND	ND		Bag 9; Full
3M15		885	8/18/94 161Ø	9/1/94 1ØØ2	ND	ND		bag #34; 9"
			QPH 8/22/94					
3NØ1		415	7/20/94 Ø958	8/1Ø/94 Ø9ØØ	ND	ND		Bag 15; 7"
3NØ2		413	7/20/94 Ø947	8/1Ø/94 Ø9Ø2	ND	ND		Bag ~~26~~ 15; full
3NØ3		411	7/20/94 Ø917	8/1Ø/94 Ø9Ø5	ND	ND		Bag 26; 12"

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 232 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
3NØ4		4Ø9	7/20/94 Ø858	8/1Ø/94 Ø9Ø8	ND	ND		Bag 26 ; 12"
3NØ5		4Ø7	7/20/94 Ø837	8/1Ø/94 Ø91Ø	ND	ND		Bag 26 ; full
3NØ6		4Ø5	7/19/94 1543	8/1Ø/94 Ø912	ND	ND		Bag 26 ; 8" Liner on tube
3NØ7		403 ~~4Ø3~~	7/19/94 1502 ~~1522~~	8/1Ø/94 Ø915	ND	ND		Bag 26 ;
3NØ8		4Ø1	7/19/94 1458	8/1Ø/94 Ø917	ND	ND		Bag 26 ; 10"
3NØ9		399 ~~398~~	7/19/94 1425	8/1Ø/94 Ø92Ø	ND	ND		Bag #26 ; ~~14~~ 12" gel
3N1Ø		397	7/19/94 1417	8/1Ø/94 Ø924	ND	ND		Bag #26 ; 8"
3N11		394	7/19/94 1351	8/1Ø/94 Ø926	ND	ND		Bag #26 ; 16"
3N12		369	7/18/94 11:Ø5	8/1Ø/94 Ø928	ND	ND		Bag #14 ; full
3N13		476	7/26/94 1014	8/15/94 15Ø8	ND	ND		Bag 9 ; Full
3N14		884	8/18/94 1534	9/1/94 1ØØ6	ND	ND		bag #34 ; 10"
3N15		883	8/18/94 1528	9/1/94 1Ø1Ø	ND	ND		bag #34 ; full
3N12		369	7/18/94 111Ø	7/25/94 1321	ND	ND		timer #1
3N12		369	7/18/94 1117	7/28/94 Ø9ØØ	ND	ND		timer #2
				pH 8/22/94				
3OØ1		414	7/20/94 Ø952	8/1Ø/94 Ø859	ND	ND		Bag #15 ; full
3OØ2		412	7/20/94 Ø94Ø	8/1Ø/94 Ø858	ND	ND		Bag #26 ; full
3OØ3		41Ø	7/20/94 Ø9Ø2	8/1Ø/94 Ø855	ND	ND		Bag #26 ; full
3OØ4		4Ø8	7/20/94 Ø8:54	8/1Ø/94 Ø853	ND	ND		Bag #26 ; 10"
3OØ5		4Ø6	7/20/94 Ø8:31	8/10/94 Ø85Ø	ND	ND		Bag #26 ; 14"

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 233 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
3Ø06		4Ø4	7/19/94 1532	8/16/94 Ø849	ND	ND		Bag 26; full
3Ø07		4Ø2	7/19/94 1502	8/16/94 Ø847	ND	ND		Bag 26; 14"
3Ø08		4ØØ	7/19/94 145Ø	8/16/94 Ø845	ND	ND		Bag 26; 14" tube broken on retrieval - wires transferred
3Ø09		398	7/19/94 1432	8/16/94 Ø842	ND	ND		Bag 26; 14"
3Ø1Ø	JMD 10/5/94 Not RETRIEVED	396	7/19/94 1408	8/16/94 Sacrificed ~~Ø838~~	ND	ND		"pull" wire broke - lost tube Bag 26; full
3Ø11		395	7/19/94 1358	8/16/94 Ø835	ND	ND		Bag 26; full
3Ø12		37Ø	7/18/94 11:25	8/16/94 Ø833	ND	ND		Bag 14; full
3Ø13		88Ø	8/18/94 1514	9/1/94 1Ø16	ND	ND		full; bag #34
3Ø14		881	8/18/94 152Ø	9/1/94 1Ø14	ND	ND		14"; bag #34
3Ø15		882	8/18/94 1526	9/1/94 1Ø12	ND	ND		full; bag #34
			JPH	8/22/94				
SDBA11		35Ø	7/14/94 13Ø4	7/21/94 1541	ND	ND		12in Bag #17
SDBA12		352	7/14/94 1314	7/21/94 1543	ND	ND		16" Bag #19
SDBA13		357	7/14/94 144Ø	7/21/94 1554	ND	ND		16" Bag #17
SDBA14		358	7/14/94 1442	7/21/94 1553	ND	ND		14" Bag #19
				JPH 8/22/94				

Plate

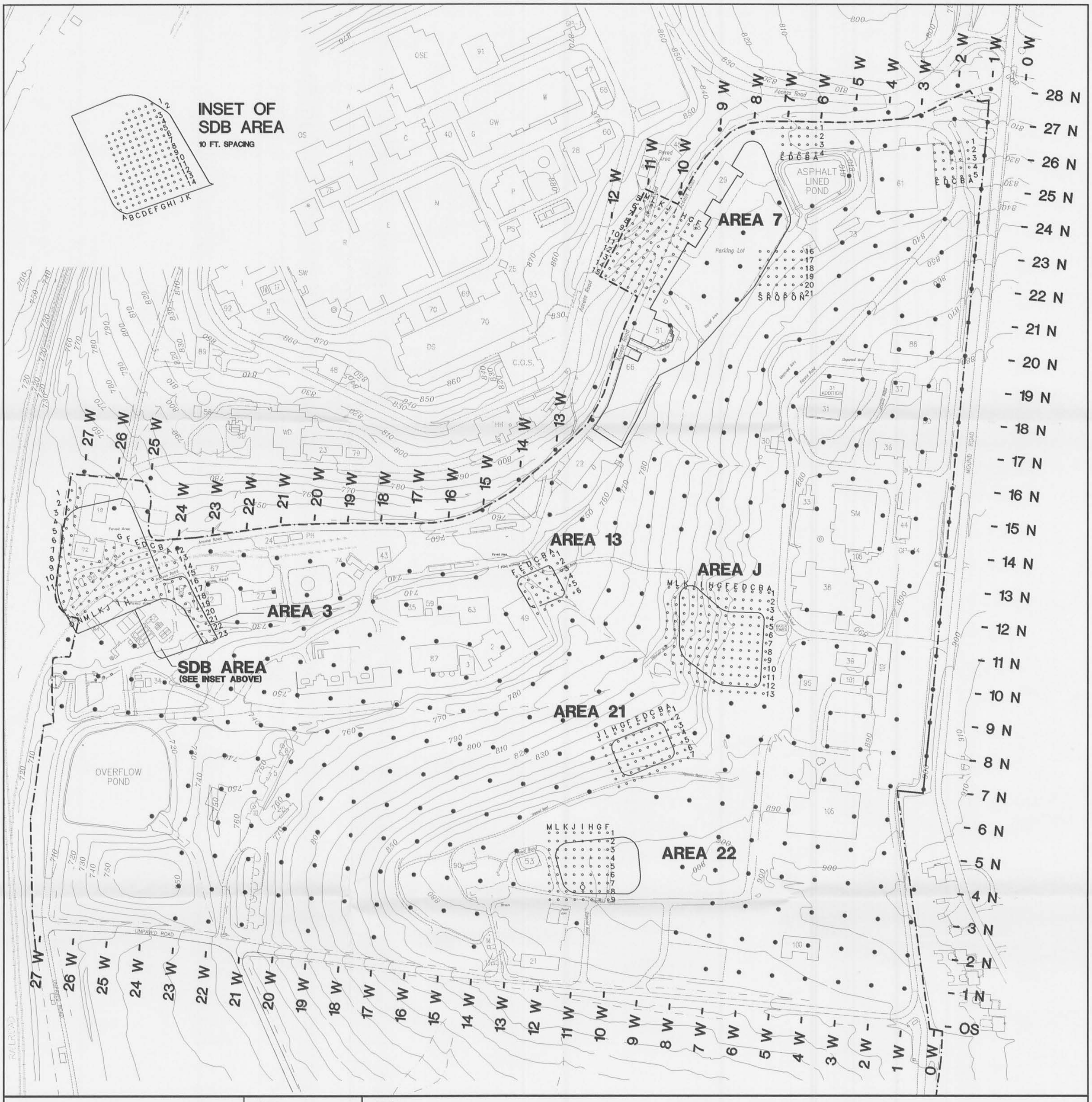


FIGURE:

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

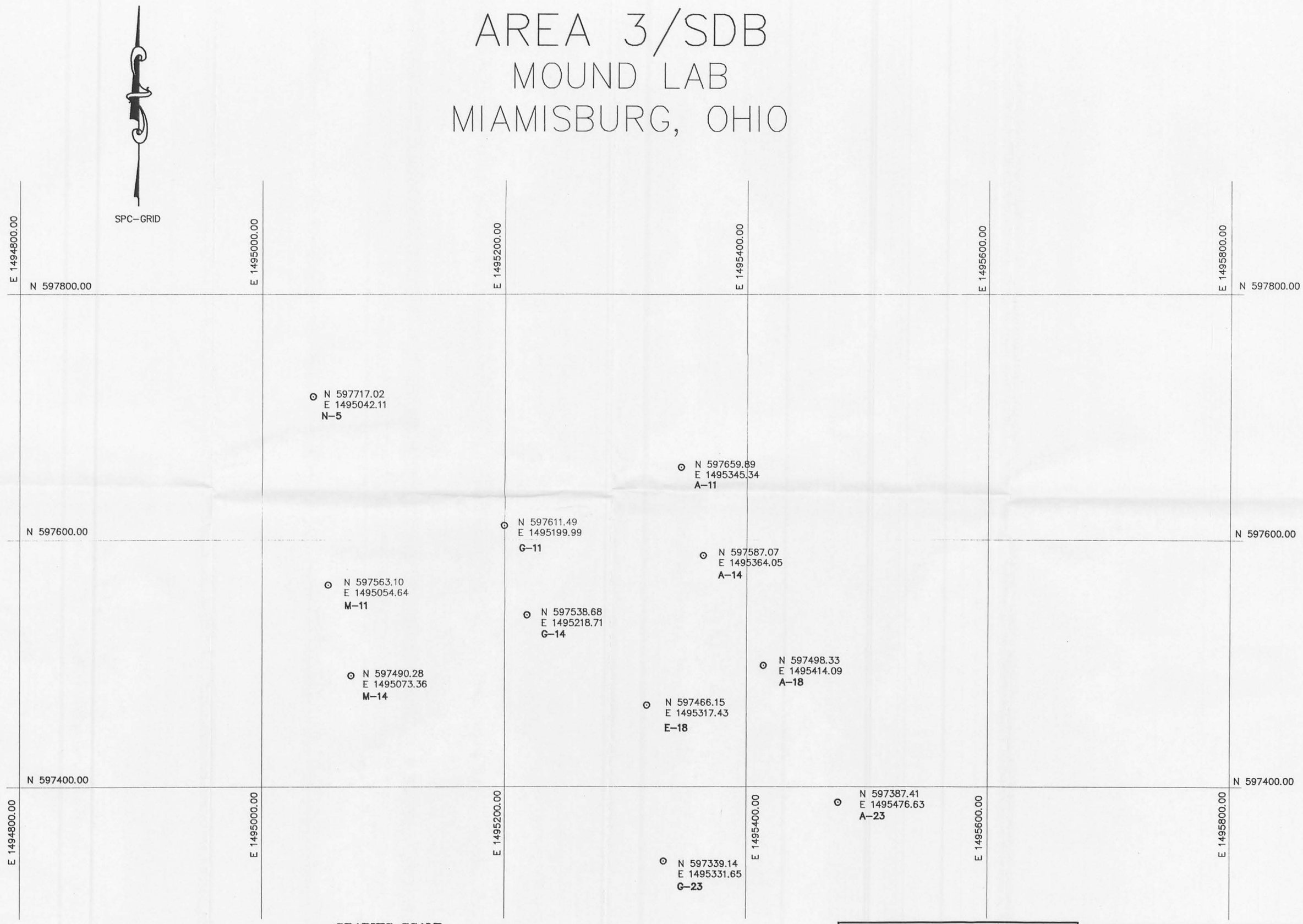
APPENDIX B

SURVEY MAPS

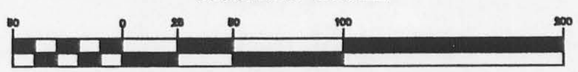
PLATE 1: Survey Map of Located Grid Points - Ohio State Plane Coordinate System (1927)

PLATE 2: Survey Map of Located Grid Points - Mound Plant Coordinate System

AREA 3/SDB
MOUND LAB
MIAMISBURG, OHIO



GRAPHIC SCALE



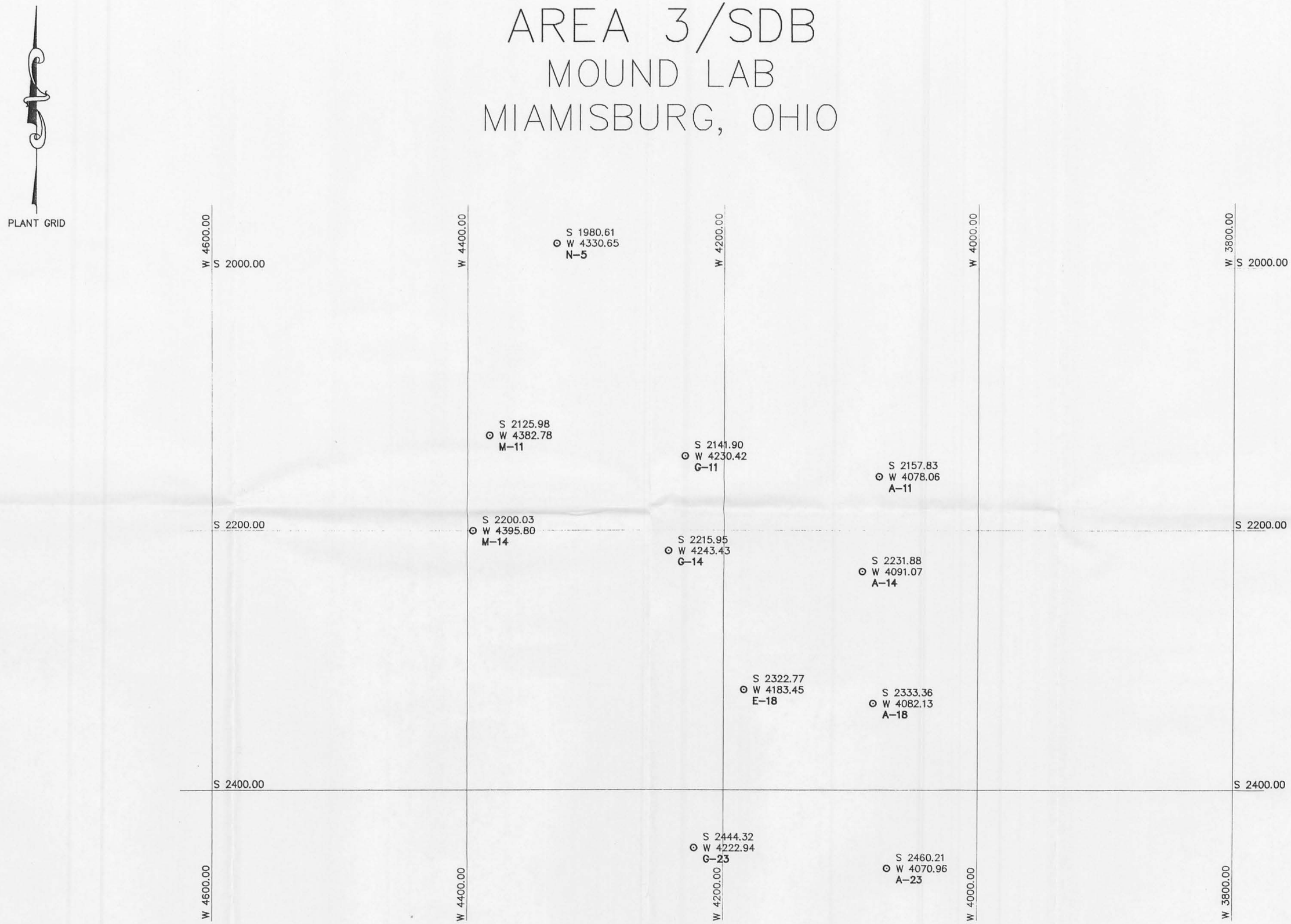
(IN FEET)
1 inch = 50 ft.

APPENDIX B
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 JPH	CHECKED ERB
DATE 6/30/94	JOB NO. L2952	

AREA 3/SDB
MOUND LAB
MIAMISBURG, OHIO



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

APPENDIX B

PLATE 2 SURVEY MAP
MOUND PLANT COORDINATE SYSTEM

LEGEND

⊙ LOCATED POINT A-1 GRID LOCATION

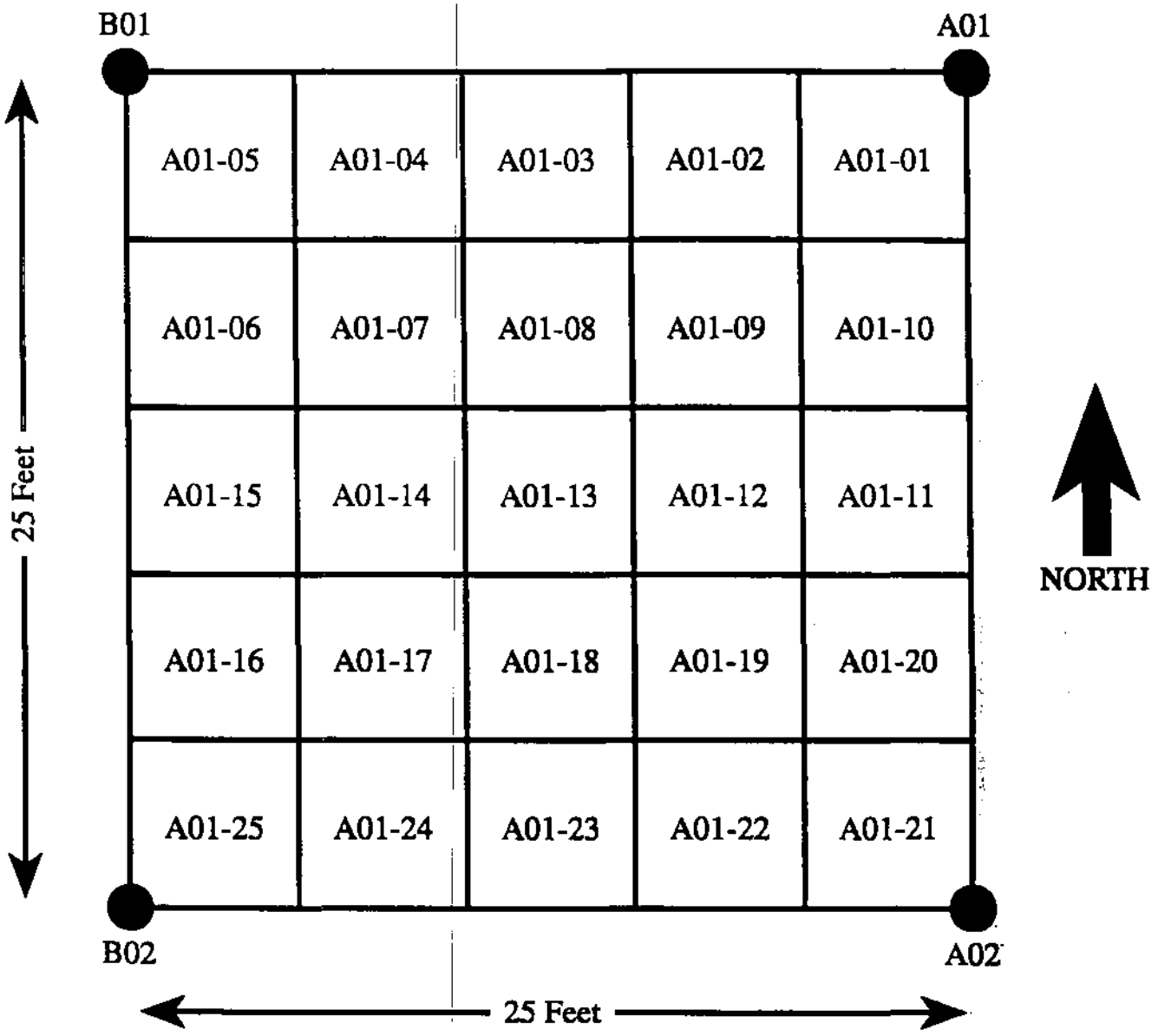
Shaw Weiss & DeNaples
Engineers & Environmental Scientists
14 West First Street • Dayton, Ohio 45402

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

APPENDIX C

RADIOLOGICAL DATA

(FIDLER SURVEY & SOIL SCREENING FACILITY DATA)



Operable Unit 5, Operational Area, Phase 1 Investigation - Generic Sampling Identification Scheme for the FIDLER survey conducted in Area 3

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3A12	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3A12-01	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3A12-02	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3A12-03	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3A12-04	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3A12-05	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3A12-06	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3A12-07	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3A12-08	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3A12-09	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3A12-10	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-11	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3A12-12	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3A12-13	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-14	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-15	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-16	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-17	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3A12-18	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-19	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-20	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3A12-21	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-22	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-23	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3A12-24	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3A12-25	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3A13	NA	NA	NA	NA	NA	NR	3		0.5	
3A13-01	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3A13-02	150.8	NA	12.87	NA	15.34	6.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3A13-03	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3A13-04	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3A13-05	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3A13-06	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-07	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-08	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3A13-09	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-10	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-11	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-12	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-13	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-14	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-15	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3A13-16	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3A13-17	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-18	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-19	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-20	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-21	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-22	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-23	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3A13-24	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3A13-25	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3A14	NA	NA	NA	NA	NA	NR	2		0.7	
3A15	NA	NA	NA	NA	NA	NR	10		1	
3A15-01	182.0	NA	9.75	NA	11.70	10.0	NC		NC	
3A15-02	182.0	NA	9.75	NA	11.70	9.5	NC		NC	
3A15-03	182.0	NA	9.75	NA	11.70	9.5	NC		NC	
3A15-04	182.0	NA	9.75	NA	11.70	8.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3A15-05	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A15-06	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A15-07	182.0	NA	9.75	NA	11.70	7.5	NC		NC	
3A15-08	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A15-09	182.0	NA	9.75	NA	11.70	8.0	NC		NC	
3A15-10	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A15-11	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A15-12	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A15-13	182.0	NA	9.75	NA	11.70	7.5	NC		NC	
3A15-14	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A15-15	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A15-16	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A15-17	182.0	NA	9.75	NA	11.70	7.5	NC		NC	
3A15-18	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A15-19	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A15-20	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A15-21	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A15-22	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A15-23	182.0	NA	9.75	NA	11.70	7.5	NC		NC	
3A15-24	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A15-25	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A16	NA	NA	NA	NA	NA	NR	5		0.5	
3A16-01	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A16-02	182.0	NA	9.75	NA	11.70	7.5	NC		NC	
3A16-03	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A16-04	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A16-05	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A16-06	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A16-07	182.0	NA	9.75	NA	11.70	8.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3A16-08	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A16-09	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A16-10	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A16-11	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A16-12	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A16-13	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A16-14	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A16-15	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A16-16	182.0	NA	9.75	NA	11.70	7.5	NC		NC	
3A16-17	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A16-18	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A16-19	182.0	NA	9.75	NA	11.70	8.5.	NC		NC	
3A16-20	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A16-21	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A16-22	182.0	NA	9.75	NA	11.70	8.0	NC		NC	
3A16-23	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A16-24	182.0	NA	9.75	NA	11.70	9.5	NC		NC	
3A16-25	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17	182.0	NA	9.75	NA	11.70	9.0	11		0.5	
3A17-01	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-02	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-03	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-04	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-05	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-06	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-07	182.0	NA	9.75	NA	11.70	9.5	NC		NC	
3A17-08	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-09	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-10	182.0	NA	9.75	NA	11.70	8.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3A17-11	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-12	182.0	NA	9.75	NA	11.70	8.0	NC		NC	
3A17-13	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-14	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-15	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-16	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-17	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-18	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-19	182.0	NA	9.75	NA	11.70	8.0	NC		NC	
3A17-20	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-21	182.0	NA	9.75	NA	11.70	7.5	NC		NC	
3A17-22	182.0	NA	9.75	NA	11.70	8.0	NC		NC	
3A17-23	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A17-24	182.0	NA	9.75	NA	11.70	9.0	NC		NC	
3A17-25	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A18	NA	NA	NA	NA	NA	NR	5		0.7	
3A18-01	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A18-02	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A18-03	182.0	NA	9.75	NA	11.70	5.5	NC		NC	
3A18-04	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A18-05	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A18-06	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A18-07	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A18-08	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A18-09	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A18-10	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A18-11	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A18-12	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A18-13	182.0	NA	9.75	NA	11.70	7.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3A18-14	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A18-15	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A18-16	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A18-17	182.0	NA	9.75	NA	11.70	6.5	NC		NC	
3A18-18	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A18-19	182.0	NA	9.75	NA	11.70	5.5	NC		NC	
3A18-20	182.0	NA	9.75	NA	11.70	7.0	NC		NC	
3A18-21	182.0	NA	9.75	NA	11.70	6.0	NC		NC	
3A18-22	182.0	NA	9.75	NA	11.70	8.5	NC		NC	
3A18-23	182.0	NA	9.75	NA	11.70	8.0	NC		NC	
3A18-24	182.0	NA	9.75	NA	11.70	10.0	NC		NC	
3A18-25	182.0	NA	9.75	NA	11.70	10.0	NC		NC	
3A19	223.6	NA	12.22	NA	14.69	8.5	19		1.3	
3A20	223.6	NA	12.22	NA	14.69	8.0	31	a	0.8	
3A21	223.6	NA	12.22	NA	14.69	9.5	37	a	0.6	
3A22	223.6	NA	12.22	NA	14.69	10.0	84	a	1	
3A23	223.6	NA	12.22	NA	14.69	8.5	12		1	
3B11	NA	NA	NA	NA	NA	NR	NS		NS	
3B11-01	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-02	263.9	NA	12.87	NA	14.56	6.55	NC		NC	
3B11-03	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-04	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B11-05	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B11-06	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B11-07	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B11-08	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-09	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-10	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B11-11	263.9	NA	12.87	NA	14.56	6.0	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3B11-12	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-13	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-14	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3B11-15	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B11-16	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B11-17	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-18	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B11-19	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-20	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-21	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B11-22	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B11-23	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3B11-24	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B11-25	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B12	NA	NA	NA	NA	NA	NR	4		0.6	
3B12-01	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B12-02	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B12-03	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3B12-04	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3B12-05	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3B12-06	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3B12-07	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3B12-08	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3B12-09	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B12-10	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B12-11	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B12-12	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B12-13	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B12-14	263.9	NA	12.87	NA	14.56	5.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3B12-15	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B12-16	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B12-17	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B12-18	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B12-19	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B12-20	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B12-21	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3B12-22	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B12-23	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3B12-24	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3B12-25	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3B13	NA	NA	NA	NA	NA	NR	3		0.8	
3B13-01	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B13-02	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B13-03	156.0	NA	10.27	NA	12.48	9.5	NC		NC	
3B13-04	156.0	NA	10.27	NA	12.48	9.5	NC		NC	
3B13-05	156.0	NA	10.27	NA	12.48	9.5	NC		NC	
3B13-06	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-07	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-08	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-09	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-10	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B13-11	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B13-12	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-13	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-14	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B13-15	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-16	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B13-17	156.0	NA	10.27	NA	12.48	6.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3B13-18	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-19	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B13-20	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B13-21	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B13-22	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B13-23	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B13-24	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B13-25	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B14	NA	NA	NA	NA	NA	NR	22		0.3	
3B15	NA	NA	NA	NA	NA	NR	39	a	1.1	
3B15-01	156.0	NA	10.27	NA	12.48	8.0	NC		NC	
3B15-02	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B15-03	156.0	NA	10.27	NA	12.48	9.0	NC		NC	
3B15-04	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B15-05	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B15-06	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3B15-07	156.0	NA	10.27	NA	12.48	8.5	NC		NC	
3B15-08	156.0	NA	10.27	NA	12.48	8.5	NC		NC	
3B15-09	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3B15-10	156.0	NA	10.27	NA	12.48	8.0	NC		NC	
3B15-11	156.0	NA	10.27	NA	12.48	8.0	NC		NC	
3B15-12	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3B15-13	156.0	NA	10.27	NA	12.48	11.0	NC		NC	
3B15-14	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B15-15	156.0	130.0	10.27	18.0	12.48	22.0	NC		NC	
3B15-16	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B15-17	156.0	NA	10.27	NA	12.48	8.5	NC		NC	
3B15-18	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B15-19	156.0	NA	10.27	NA	12.48	8.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3B15-20	156.0	NA	10.27	NA	12.48	7.5	NC		NC	
3B15-21	156.0	NA	10.27	NA	12.48	7.5	NC		NC	
3B15-22	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3B15-23	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3B15-24	156.0	NA	10.27	NA	12.48	10.0	NC		NC	
3B15-25	156.0	190.0	10.27	23.0	12.48	29.0	NC		NC	
3B16	NA	NA	NA	NA	NA	NR	25	a	0.9	
3B16-01	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B16-02	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B16-03	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B16-04	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B16-05	156.0	190.0	10.27	23.0	12.48	21.0	NC		NC	
3B16-06	156.0	NA	10.27	NA	12.48	8.0	NC		NC	
3B16-07	156.0	NA	10.27	NA	12.48	7.5	NC		NC	
3B16-08	156.0	NA	10.27	NA	12.48	8.0	NC		NC	
3B16-09	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3B16-10	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B16-11	156.0	NA	10.27	NA	12.48	4.5	NC		NC	
3B16-12	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B16-13	NA	NA	NA	NA	NA	NS	NC		NC	
3B16-14	NA	NA	NA	NA	NA	NS	NC		NC	
3B16-15	NA	NA	NA	NA	NA	NS	NC		NC	
3B16-16	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B16-17	156.0	NA	10.27	NA	12.48	8.0	NC		NC	
3B16-18	156.0	NA	10.27	NA	12.48	8.0	NC		NC	
3B16-19	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3B16-20	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B16-21	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3B16-22	156.0	NA	10.27	NA	12.48	6.5	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3B16-23	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B16-24	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3B16-25	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3B17	NA	NA	NA	NA	NA	NR	29	a	0.9	
3B18	NA	NA	NA	NA	NA	NR	25	a	1.3	
3B19	223.6	NA	12.22	NA	14.69	8.0	23		0.8	
3B20	223.6	NA	12.22	NA	14.69	8.0	13		0.5	
3B21	223.6	NA	12.22	NA	14.69	9.5	23		1.1	
3B22	223.6	NA	12.22	NA	14.69	9.0	35	a	0.7	
3B23	223.6	NA	12.22	NA	14.69	8.5	25	a	0.9	
3C11	NA	NA	NA	NA	NA	NR	17		0.5	
3C11-01	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C11-02	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C11-03	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-04	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-05	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-06	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-07	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-08	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3C11-09	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C11-10	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C11-11	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-12	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-13	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C11-14	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-15	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-16	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C11-17	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-18	263.9	NA	12.87	NA	14.56	6.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3C11-19	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3C11-20	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C11-21	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3C11-22	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3C11-23	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3C11-24	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C11-25	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3C12	NA	NA	NA	NA	NA	NR	20		0.8	
3C12-01	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3C12-02	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C12-03	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3C12-04	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3C12-05	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C12-06	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3C12-07	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3C12-08	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3C12-09	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C12-10	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3C12-11	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-12	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3C12-13	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3C12-14	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-15	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-16	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-17	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3C12-18	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3C12-19	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-20	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-21	263.9	NA	12.87	NA	14.56	5.5	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3C12-22	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-23	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-24	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C12-25	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3C13	NA	NA	NA	NA	NA	NR	1		0.8	
3C13-01	156.0	NA	10.27	NA	12.48	9.0	NC		NC	
3C13-02	156.0	NA	10.27	NA	12.48	8.5	NC		NC	
3C13-03	156.0	NA	10.27	NA	12.48	8.5	NC		NC	
3C13-04	156.0	NA	10.27	NA	12.48	9.0	NC		NC	
3C13-05	156.0	NA	10.27	NA	12.48	8.5	NC		NC	
3C13-06	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-07	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-08	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-09	156.0	NA	10.27	NA	12.48	7.5	NC		NC	
3C13-10	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3C13-11	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-12	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C13-13	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-14	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-15	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-16	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C13-17	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C13-18	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C13-19	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C13-20	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C13-21	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C13-22	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C13-23	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C13-24	156.0	NA	10.27	NA	12.48	5.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3C13-25	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14	NA	NA	NA	NA	NA	NR	0		0.2	
3C14-01	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-02	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-03	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-04	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-05	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C14-06	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C14-07	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-08	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C14-09	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3C14-10	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C14-11	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3C14-12	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C14-13	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C14-14	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-15	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-16	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-17	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-18	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C14-19	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-20	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C14-21	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C14-22	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-23	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C14-24	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C14-25	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15	NA	NA	NA	NA	NA	NR	4		0.3	
3C15-01	156.0	NA	10.27	NA	12.48	6.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3C15-02	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-03	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-04	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-05	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-06	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-07	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-08	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-09	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-10	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C15-11	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3C15-12	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C15-13	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-14	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-15	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C15-16	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-17	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C15-18	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C15-19	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C15-20	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3C15-21	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3C15-22	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3C15-23	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-24	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C15-25	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3C16	156.0	NA	10.27	NA	12.48	5.0	NS		NS	
3C17	NA	NA	NA	NA	NA	NR	NS		NS	
3D11	NA	NA	NA	NA	NA	NR	14		0.9	
3D11-01	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D11-02	263.9	NA	12.87	NA	14.56	6.5	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3D11-03	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3D11-04	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3D11-05	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3D11-06	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3D11-07	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3D11-08	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3D11-09	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3D11-10	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D11-11	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D11-12	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3D11-13	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3D11-14	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3D11-15	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3D11-16	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3D11-17	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3D11-18	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3D11-19	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3D11-20	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D11-21	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3D11-22	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3D11-23	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3D11-24	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3D11-25	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3D12	NA	NA	NA	NA	NA	NR	7		1.4	
3D12-01	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D12-02	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D12-03	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3D12-04	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3D12-05	263.9	NA	12.87	NA	14.56	10.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3D12-06	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3D12-07	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3D12-08	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D12-09	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D12-10	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3D12-11	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-12	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-13	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-14	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-15	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3D12-16	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-17	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-18	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-19	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-20	263.9	NA	12.87	NA	14.56	4.5	NC		NC	
3D12-21	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-22	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-23	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3D12-24	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3D12-25	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3D13	150.8	NA	12.87	NA	15.34	9.5	4		0.7	
3D14	150.8	NA	12.87	NA	15.34	5.5	NS		NS	
3D15	156.0	NA	10.27	NA	12.48	6.5	NS		NS	
3D15-01	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3D15-02	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-03	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3D15-04	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3D15-05	156.0	NA	10.27	NA	12.48	5.55	NC		NC	
3D15-06	156.0	NA	10.27	NA	12.48	6.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3D15-07	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-08	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-09	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3D15-10	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3D15-11	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3D15-12	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3D15-13	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-14	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-15	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-16	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-17	156.0	NA	10.27	NA	12.48	NR	NC		NC	
3D15-18	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3D15-19	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3D15-20	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3D15-21	156.0	NA	10.27	NA	12.48	7.0	NC		NC	
3D15-22	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3D15-23	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3D15-24	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3D15-25	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3D16	156.0	NA	10.27	NA	12.48	6.5	NS		NS	
3E10	NA	NA	NA	NA	NA	NR	NS		NS	
3E10-01	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E10-02	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E10-03	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E10-04	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E10-05	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3E10-06	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E10-07	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E10-08	263.9	NA	12.87	NA	14.56	10.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3E10-09	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3E10-10	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3E10-11	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E10-12	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E10-13	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E10-14	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E10-15	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E10-16	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E10-17	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E10-18	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E10-19	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E10-20	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E10-21	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E10-22	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E10-23	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E10-24	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E10-25	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E11	NA	NA	NA	NA	NA	NR	21		1.1	
3E11-01	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3E11-02	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3E11-03	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3E11-04	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3E11-05	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3E11-06	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E11-07	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3E11-08	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3E11-09	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3E11-10	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3E11-11	263.9	NA	12.87	NA	14.56	8.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3E11-12	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3E11-13	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E11-14	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E11-15	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3E11-16	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E11-17	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E11-18	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E11-19	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E11-20	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E11-21	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E11-22	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3E11-23	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E11-24	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E11-25	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E12	NA	NA	NA	NA	NA	NR	25	a	1	
3E12-01	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E12-02	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E12-03	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3E12-04	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3E12-05	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E12-06	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3E12-07	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3E12-08	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3E12-09	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3E12-10	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3E12-11	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3E12-12	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3E12-13	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E12-14	263.9	NA	12.87	NA	14.56	7.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3E12-15	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3E12-16	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3E12-17	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E12-18	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E12-19	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3E12-20	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E12-21	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E12-22	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E12-23	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E12-24	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3E12-25	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3E13	150.8	NA	12.87	NA	15.34	5.0	2		0.5	
3E14	150.8	NA	12.87	NA	15.34	5.0	NS		NS	
3E15	156.0	NA	10.27	NA	12.48	5.5	NS		NS	
3E16	156.0	NA	10.27	NA	12.48	5.0	NS		NS	
3F10	NA	NA	NA	NA	NA	NR	20		0.8	
3F10-01	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3F10-02	263.9	300.0	12.87	19.0	14.56	19.0	NC		NC	
3F10-03	263.9	NA	12.87	NA	14.56	12.0	NC		NC	
3F10-04	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3F10-05	263.9	NA	12.87	NA	14.56	14.0	NC		NC	
3F10-06	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3F10-07	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-08	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-09	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-10	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3F10-11	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3F10-12	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-13	263.9	NA	12.87	NA	14.56	8.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3F10-14	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3F10-15	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3F10-16	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F10-17	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-18	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-19	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3F10-20	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F10-21	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-22	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F10-23	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-24	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F10-25	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F11	NA	NA	NA	NA	NA	NR	17		0.7	
3F11-01	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3F11-02	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-03	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F11-04	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-05	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F11-06	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F11-07	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3F11-08	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3F11-09	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3F11-10	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-11	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F11-12	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3F11-13	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F11-14	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-15	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-16	263.9	NA	12.87	NA	14.56	8.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3F11-17	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-18	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-19	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-20	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F11-21	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F11-22	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3F11-23	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3F11-24	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3F11-25	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3F12	NA	NA	NA	NA	NA	NR	9		0.9	
3F12-01	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F12-02	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3F12-03	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3F12-04	263.9	NA	12.87	NA	14.56	12.0	NC		NC	
3F12-05	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3F12-06	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3F12-07	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3F12-08	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3F12-09	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3F12-10	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3F12-11	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3F12-12	263.9	NA	12.87	NA	14.56	12.0	NC		NC	
3F12-13	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3F12-14	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F12-15	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3F12-16	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F12-17	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F12-18	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3F12-19	263.9	NA	12.87	NA	14.56	11.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3F12-20	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3F12-21	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3F12-22	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3F12-23	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F12-24	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3F12-25	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3F13	NA	NA	NA	NA	NA	NR	0		0.5	
3F13-01	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3F13-02	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3F13-03	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3F13-04	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3F13-05	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3F13-06	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-07	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3F13-08	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3F13-09	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3F13-10	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3F13-11	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F13-12	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-13	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3F13-14	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F13-15	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-16	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F13-17	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-18	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-19	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-20	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-21	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F13-22	150.8	NA	12.87	NA	15.34	5.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3F13-23	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F13-24	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F13-25	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14	150.8	NA	12.87	NA	15.34	5.5	NS		NS	
3F14-01	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-02	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-03	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14-04	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-05	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14-06	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-07	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-08	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-09	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-10	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-11	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14-12	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-13	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-14	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-15	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3F14-16	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-17	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-18	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14-19	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14-20	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-21	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14-22	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3F14-23	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-24	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3F14-25	150.8	NA	12.87	NA	15.34	5.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3F15	156.0	NA	10.27	NA	12.48	5.5	NS		NS	
3F15-01	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3F15-02	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3F15-03	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-04	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3F15-05	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3F15-06	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3F15-07	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-08	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-09	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-10	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3F15-11	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3F15-12	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-13	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-14	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-15	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3F15-16	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3F15-17	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3F15-18	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3F15-19	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3F15-20	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3F15-21	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3F15-22	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F15-23	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3F15-24	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3F15-25	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3F16	156.0	NA	10.27	NA	12.48	4.5	NS		NS	
3G09	NA	NA	NA	NA	NA	NR	5		0.4	
3G09-01	263.9	NA	12.87	NA	14.56	7.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3G09-02	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3G09-03	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3G09-04	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3G09-05	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3G09-06	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3G09-07	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3G09-08	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G09-09	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G09-10	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G09-11	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G09-12	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3G09-13	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G09-14	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3G09-15	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G09-16	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3G09-17	263.9	400	12.87	30.0	14.56	32.0	NC		NC	
3G09-18	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G09-19	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3G09-20	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3G09-21	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3G09-22	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G09-23	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3G09-24	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3G09-25	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3G10	NA	NA	NA	NA	NA	NR	22		3.6	a
3G10-01	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3G10-02	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3G10-03	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3G10-04	175.5	NA	8.45	NA	9.49	7.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3G10-05	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3G10-06	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3G10-07	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3G10-08	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3G10-09	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3G10-10	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3G10-11	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3G10-12	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3G10-13	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3G10-14	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3G10-15	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3G10-16	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3G10-17	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3G10-18	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3G10-19	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3G10-20	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3G10-21	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3G10-22	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3G10-23	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3G10-24	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3G10-25	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3G11	NA	NA	NA	NA	NA	NR	18		0.9	
3G11-01	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3G11-02	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3G11-03	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3G11-04	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3G11-05	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3G11-06	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3G11-07	263.9	NA	12.87	NA	14.56	8.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3G11-08	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3G11-09	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G11-10	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G11-11	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3G11-12	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G11-13	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3G11-14	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G11-15	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3G11-16	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3G11-17	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G11-18	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3G11-19	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3G11-20	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3G11-21	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3G11-22	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3G11-23	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3G11-24	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3G11-25	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G12	NA	NA	NA	NA	NA	NR	15		1.9	
3G12-01	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3G12-02	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3G12-03	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3G12-04	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3G12-05	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3G12-06	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3G12-07	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3G12-08	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3G12-09	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3G12-10	263.9	NA	12.87	NA	14.56	12.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3G12-11	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3G12-12	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3G12-13	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G12-14	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3G12-15	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3G12-16	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3G12-17	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3G12-18	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3G12-19	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3G12-20	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3G12-21	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G12-22	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3G12-23	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G12-24	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3G12-25	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3G13	150.8	NA	12.87	NA	15.34	8.0	13		0.6	
3G14	150.8	NA	12.87	NA	15.34	5.0	NS		NS	
3G15	NA	NA	NA	NA	NA	NR	NS		NS	
3H09	NA	NA	NA	NA	NA	NR	2		0.5	
3H09-01	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-02	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-03	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-04	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-05	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3H09-06	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-07	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-08	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-09	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-10	263.9	NA	12.87	NA	14.56	5.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3H09-11	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H09-12	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-13	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3H09-14	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-15	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-16	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-17	263.9	NA	12.87	NA	14.56	5.55	NC		NC	
3H09-18	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-19	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3H09-20	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H09-21	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H09-22	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H09-23	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-24	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H09-25	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3H10	NA	NA	NA	NA	NA	NR	11		0.6	
3H10-01	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H10-02	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H10-03	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-04	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H10-05	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H10-06	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-07	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-08	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-09	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-10	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H10-11	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-12	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-13	263.9	NA	12.87	NA	14.56	8.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3H10-14	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3H10-15	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3H10-16	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-17	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-18	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H10-19	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-20	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-21	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H10-22	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H10-23	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H10-24	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H10-25	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H11	NA	NA	NA	NA	NA	NR	11		0.8	
3H11-01	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-02	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H11-03	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3H11-04	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H11-05	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H11-06	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H11-07	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3H11-08	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-09	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-10	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-11	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-12	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3H11-13	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-14	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H11-15	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3H11-16	263.9	NA	12.87	NA	14.56	7.0	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3H11-17	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H11-18	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H11-19	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3H11-20	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-21	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3H11-22	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3H11-23	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3H11-24	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H11-25	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3H12	NA	NA	NA	NA	NA	NR	21		1.4	
3H12-01	263.9	NA	12.87	NA	14.56	12.0	NC		NC	
3H12-02	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3H12-03	263.9	NA	12.87	NA	14.56	12.0	NC		NC	
3H12-04	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3H12-05	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3H12-06	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3H12-07	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3H12-08	263.9	NA	12.87	NA	14.56	13.5	NC		NC	
3H12-09	263.9	NA	12.87	NA	14.56	13.5	NC		NC	
3H12-10	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3H12-11	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3H12-12	263.9	NA	12.87	NA	14.56	12.0	NC		NC	
3H12-13	263.9	NA	12.87	NA	14.56	14.0	NC		NC	
3H12-14	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3H12-15	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3H12-16	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3H12-17	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3H12-18	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3H12-19	263.9	NA	12.87	NA	14.56	10.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3H12-20	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3H12-21	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3H12-22	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3H12-23	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3H12-24	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3H12-25	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3H13	150.8	NA	12.87	NA	15.34	9.5	16		0.8	
3H14	150.8	NA	12.87	NA	15.34	5.0	NS		NS	
3H15	NA	NA	NA	NA	NA	NR	NS		NS	
3I09	NA	NA	NA	NA	NA	NR	2		0.5	
3I10	NA	NA	NA	NA	NA	NR	12		0.7	
3I10-01	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3I10-02	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3I10-03	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3I10-04	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3I10-05	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3I10-06	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3I10-07	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3I10-08	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3I10-09	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3I10-10	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I10-11	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I10-12	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I10-13	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I10-14	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3I10-15	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3I10-16	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3I10-17	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3I10-18	263.9	NA	12.87	NA	14.56	9.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3I10-19	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3I10-20	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3I10-21	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3I10-22	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I10-23	263.9	330	12.87	20	14.56	22.0	NC		NC	
3I10-24	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3I10-25	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11	NA	NA	NA	NA	NA	NR	4		0.4	
3I11-01	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3I11-02	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-03	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3I11-04	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-05	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3I11-06	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-07	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-08	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3I11-09	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3I11-10	263.9	NA	12.87	NA	14.56	4.5	NC		NC	
3I11-11	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-12	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-13	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3I11-14	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-15	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-16	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3I11-17	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3I11-18	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3I11-19	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I11-20	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I11-21	263.9	NA	12.87	NA	14.56	8.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3I11-22	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3I11-23	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3I11-24	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3I11-25	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3I12	NA	NA	NA	NA	NA	NR	9		0.4	
3I12-01	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3I12-02	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3I12-03	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3I12-04	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3I12-05	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3I12-06	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3I12-07	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3I12-08	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3I12-09	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3I12-10	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3I12-11	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3I12-12	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3I12-13	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3I12-14	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3I12-15	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3I12-16	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3I12-17	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3I12-18	150.8	NA	12.87	NA	15.34	11.5	NC		NC	
3I12-19	150.8	NA	12.87	NA	15.34	10.5	NC		NC	
3I12-20	150.8	NA	12.87	NA	15.34	11.5	NC		NC	
3I12-21	150.8	NA	12.87	NA	15.34	11.5.	NC		NC	
3I12-22	150.8	NA	12.87	NA	15.34	10.5	NC		NC	
3I12-23	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3I12-24	150.8	NA	12.87	NA	15.34	11.5	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3I12-25	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3I13	150.8	NA	12.87	NA	15.34	15.0	38	a	2.3	a
3I13-01	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3I13-02	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3I13-03	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3I13-04	150.8	NA	12.87	NA	15.34	10.5	NC		NC	
3I13-05	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3I13-06	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3I13-07	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3I13-08	150.8	NA	12.87	NA	15.34	10.5	NC		NC	
3I13-09	150.8	NA	12.87	NA	15.34	11.5	NC		NC	
3I13-10	NA	NA	NA	NA	NA	NS	NC		NC	
3I13-11	NA	NA	NA	NA	NA	NS	NC		NC	
3I13-12	NA	NA	NA	NA	NA	NS	NC		NC	
3I13-13	NA	NA	NA	NA	NA	NS	NC		NC	
3I13-14	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3I13-15	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3I13-16	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3I13-17	150.8	NA	12.87	NA	15.34	4.5	NC		NC	
3I13-18	150.8	NA	12.87	NA	15.34	4.0	NC		NC	
3I13-19	150.8	NA	12.87	NA	15.34	4.5	NC		NC	
3I13-20	150.8	NA	12.87	NA	15.34	4.0	NC		NC	
3I13-21	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3I13-22	150.8	NA	12.87	NA	15.34	4.5	NC		NC	
3I13-23	150.8	NA	12.87	NA	15.34	4.5	NC		NC	
3I13-24	150.8	NA	12.87	NA	15.34	4.0	NC		NC	
3I13-25	150.8	NA	12.87	NA	15.34	4.5	NC		NC	
3I14	150.8	NA	12.87	NA	15.34	8.0	7		1.1	
3I15	NA	NA	NA	NA	NA	NR	NS		NS	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3J10	NA	NA	NA	NA	NA	NR	13		2.1	a
3J10-01	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3J10-02	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3J10-03	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3J10-04	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3J10-05	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3J10-06	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3J10-07	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3J10-08	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3J10-09	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3J10-10	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3J10-11	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3J10-12	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3J10-13	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-14	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3J10-15	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3J10-16	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3J10-17	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-18	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-19	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-20	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-21	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-22	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-23	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J10-24	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3J10-25	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3J11	NA	NA	NA	NA	NA	NR	NS		NS	
3J11-01	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J11-02	263.9	NA	12.87	NA	14.56	NR	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3J11-03	263.9	NA	12.87	NA	14.56	NR	NC		NC	
3J11-04	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3J11-05	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3J11-06	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3J11-07	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3J11-08	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3J11-09	NA	NA	NA	NA	NA	NR	NC		NC	
3J11-10	NA	NA	NA	NA	NA	NR	NC		NC	
3J11-11	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3J11-12	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3J11-13	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3J11-14	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3J11-15	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3J11-16	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3J11-17	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3J11-18	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3J11-19	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3J11-20	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3J11-21	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3J11-22	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3J11-23	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3J11-24	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3J11-25	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3J12	NA	NA	NA	NA	NA	NR	0		0.6	
3J12-01	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-02	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-03	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-04	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3J12-05	150.8	NA	12.87	NA	15.34	6.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3J12-06	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-07	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-08	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-09	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-10	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3J12-11	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-12	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-13	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-14	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-15	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-16	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3J12-17	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-18	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3J12-19	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-20	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-21	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3J12-22	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3J12-23	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-24	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J12-25	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3J13	NA	NA	NA	NA	NA	NR	8		1.3	
3J13-01	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3J13-02	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3J13-03	150.8	NA	12.87	NA	15.34	12.0	NC		NC	
3J13-04	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3J13-05	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3J13-06	150.8	NA	12.87	NA	15.34	11.5	NC		NC	
3J13-07	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3J13-08	150.8	NA	12.87	NA	15.34	9.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3J13-09	150.8	NA	12.87	NA	15.34	10.5	NC		NC	
3J13-10	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3J13-11	150.8	NA	12.87	NA	15.34	11.5	NC		NC	
3J13-12	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3J13-13	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3J13-14	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3J13-15	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3J13-16	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3J13-17	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3J13-18	150.8	NA	12.87	NA	15.34	11.5	NC		NC	
3J13-19	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3J13-20	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3J13-21	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3J13-22	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3J13-23	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3J13-24	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3J13-25	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3J14	NA	NA	NA	NA	NA	NR	5		0.2	
3K10	NA	NA	NA	NA	NA	NR	14		1.4	
3K10-01	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3K10-02	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3K10-03	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3K10-04	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K10-05	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3K10-06	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3K10-07	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K10-08	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K10-09	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K10-10	263.9	NA	12.87	NA	14.56	10.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3K10-11	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3K10-12	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3K10-13	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3K10-14	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K10-15	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3K10-16	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3K10-17	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3K10-18	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3K10-19	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3K10-20	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3K10-21	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K10-22	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3K10-23	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K10-24	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3K10-25	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K11	NA	NA	NA	NA	NA	NR	6		1.2	
3K11-01	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3K11-02	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3K11-03	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3K11-04	263.9	250	12.87	18.0	14.56	19.0	NC		NC	
3K11-05	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3K11-06	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3K11-07	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3K11-08	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3K11-09	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3K11-10	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3K11-11	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3K11-12	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3K11-13	263.9	NA	12.87	NA	14.56	7.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3K11-14	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3K11-15	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3K11-16	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3K11-17	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3K11-18	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3K11-19	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3K11-20	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3K11-21	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3K11-22	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3K11-23	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3K11-24	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3K11-25	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3K12	NA	NA	NA	NA	NA	NR	0		0.4	
3K12-01	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-02	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-03	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-04	150.8	NA	12.87	NA	15.34	5.5.	NC		NC	
3K12-05	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K12-06	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K12-07	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-08	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-09	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-10	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3K12-11	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3K12-12	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K12-13	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K12-14	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K12-15	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K12-16	150.8	NA	12.87	NA	15.34	6.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3K12-17	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K12-18	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-19	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3K12-20	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3K12-21	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3K12-22	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3K12-23	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3K12-24	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K12-25	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K13	NA	NA	NA	NA	NA	NR	13		0.8	
3K13-01	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3K13-02	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3K13-03	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3K13-04	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3K13-05	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3K13-06	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3K13-07	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3K13-08	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3K13-09	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3K13-10	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3K13-11	150.8	NA	12.87	NA	15.34	10.5	NC		NC	
3K13-12	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3K13-13	150.8	NA	12.87	NA	15.34	10.5	NC		NC	
3K13-14	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3K13-15	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3K13-16	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3K13-17	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3K13-18	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3K13-19	150.8	NA	12.87	NA	15.34	9.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3K13-20	150.8	NA	12.87	NA	15.34	11.5	NC		NC	
3K13-21	150.8	NA	12.87	NA	15.34	12.0	NC		NC	
3K13-22	150.8	NA	12.87	NA	15.34	13.0	NC		NC	
3K13-23	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3K13-24	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3K13-25	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3K14	NA	NA	NA	NA	NA	NR	24		1.1	
3L09	NA	NA	NA	NA	NA	NR	NS		NS	
3L09-01	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3L09-02	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L09-03	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L09-04	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3L09-05	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3L09-06	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3L09-07	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L09-08	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3L09-09	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3L09-10	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3L09-11	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3L09-12	263.9	NA	12.87	NA	14.56	8.5	NC		NC	
3L09-13	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3L09-14	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L09-15	263.9	NA	12.87	NA	14.56	10.5	NC		NC	
3L09-16	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3L09-17	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3L09-18	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3L09-19	263.9	NA	12.87	NA	14.56	12.5	NC		NC	
3L09-20	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L09-21	263.9	NR	12.87	NR	14.56	22.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3L09-22	263.9	NR	12.87	NR	14.56	23.0	NC		NC	
3L09-23	263.9	NR	12.87	NR	14.56	15.0	NC		NC	
3L09-24	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3L09-25	263.9	NA	12.87	NA	14.56	9.5	NC		NC	
3L10	NA	NA	NA	NA	NA	NR	11		1.5	
3L10-01	263.9	430	12.87	25.0	14.56	21.0	NC		NC	
3L10-02	263.9	430	12.87	25.0	14.56	18.0	NC		NC	
3L10-03	263.9	430	12.87	25.0	14.56	16.0	NC		NC	
3L10-04	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3L10-05	263.9	NA	12.87	NA	14.56	12.0	NC		NC	
3L10-06	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3L10-07	263.9	NA	12.87	NA	14.56	10.0	NC		NC	
3L10-08	263.9	NA	12.87	NA	14.56	13.0	NC		NC	
3L10-09	263.9	430	12.87	25.0	14.56	15.5	NC		NC	
3L10-10	263.9	NA	12.87	NA	14.56	11.5	NC		NC	
3L10-11	263.9	NA	12.87	NA	14.56	14.0	NC		NC	
3L10-12	263.9	NA	12.87	NA	14.56	13.5	NC		NC	
3L10-13	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L10-14	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3L10-15	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L10-16	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3L10-17	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L10-18	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3L10-19	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3L10-20	263.9	NA	12.87	NA	14.56	11.0	NC		NC	
3L10-21	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L10-22	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L10-23	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3L10-24	263.9	NA	12.87	NA	14.56	7.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3L10-25	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L11	NA	NA	NA	NA	NA	NR	15		0.7	
3L11-01	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3L11-02	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3L11-03	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3L11-04	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L11-05	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3L11-06	263.9	NA	12.87	NA	14.56	7.0	NC		NC	
3L11-07	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L11-08	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3L11-09	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3L11-10	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3L11-11	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3L11-12	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3L11-13	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L11-14	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3L11-15	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3L11-16	263.9	NA	12.87	NA	14.56	8.0	NC		NC	
3L11-17	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3L11-18	263.9	NA	12.87	NA	14.56	6.5	NC		NC	
3L11-19	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3L11-20	263.9	NA	12.87	NA	14.56	5.0	NC		NC	
3L11-21	263.9	NA	12.87	NA	14.56	5.5	NC		NC	
3L11-22	263.9	NA	12.87	NA	14.56	6.0	NC		NC	
3L11-23	263.9	NA	12.87	NA	14.56	7.5	NC		NC	
3L11-24	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L11-25	263.9	NA	12.87	NA	14.56	9.0	NC		NC	
3L12	NA	NA	NA	NA	NA	NR	6		0.5	
3L12-01	150.8	NA	12.87	NA	15.34	5.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3L12-02	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3L12-03	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3L12-04	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3L12-05	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3L12-06	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3L12-07	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3L12-08	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3L12-09	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3L12-10	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L12-11	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3L12-12	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3L12-13	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3L12-14	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3L12-15	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3L12-16	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3L12-17	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3L12-18	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L12-19	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3L12-20	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L12-21	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L12-22	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3L12-23	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L12-24	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L12-25	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3L13	NA	NA	NA	NA	NA	NR	7		0.2	
3L13-01	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3L13-02	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3L13-03	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3L13-04	150.8	NA	12.87	NA	15.34	5.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3L13-05	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3L13-06	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3L13-07	150.8	NA	12.87	NA	15.34	4.5	NC		NC	
3L13-08	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3L13-09	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3L13-10	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3L13-11	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3L13-12	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L13-13	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L13-14	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3L13-15	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3L13-16	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3L13-17	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3L13-18	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3L13-19	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3L13-20	150.8	NA	12.87	NA	15.34	13.0	NC		NC	
3L13-21	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3L13-22	150.8	NA	12.87	NA	15.34	11.0	NC		NC	
3L13-23	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3L13-24	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3L13-25	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3L14	NA	NA	NA	NA	NA	NR	NS		NS	
3L15	NA	NA	NA	NA	NA	NR	NS		NS	
3M09	NA	NA	NA	NA	NA	NR	15		0.7	
3M09-01	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3M09-02	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3M09-03	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3M09-04	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-05	175.5	NA	8.45	NA	9.49	7.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3M09-06	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M09-07	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-08	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3M09-09	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3M09-10	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M09-11	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M09-12	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M09-13	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-14	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-15	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-16	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-17	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-18	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M09-19	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M09-20	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M09-21	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3M09-22	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3M09-23	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3M09-24	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3M09-25	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3M10	NA	NA	NA	NA	NA	NR	22		1.1	
3M10-01	175.5	185	8.45	13.5	9.49	11.5	NC		NC	
3M10-02	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3M10-03	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3M10-04	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3M10-05	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3M10-06	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3M10-07	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M10-08	175.5	NA	8.45	NA	9.49	7.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3M10-09	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M10-10	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M10-11	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M10-12	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M10-13	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M10-14	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M10-15	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M10-16	175.5	NR	8.45	NR	9.49	10.5	NC		NC	
3M10-17	175.5	NR	8.45	NR	9.49	11.5	NC		NC	
3M10-18	175.5	NR	8.45	NR	9.49	10.0	NC		NC	
3M10-19	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M10-20	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3M10-21	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M10-22	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M10-23	175.5	185	8.45	13.5	9.49	13.5	NC		NC	
3M10-24	175.5	185	8.45	13.5	9.49	10.5	NC		NC	
3M10-25	175.5	185	8.45	13.5	9.49	12.5	NC		NC	
3M11	NA	NA	NA	NA	NA	NR	14		0.8	
3M11-01	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M11-02	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M11-03	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-04	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-05	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-06	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3M11-07	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-08	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M11-09	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M11-10	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M11-11	175.5	NA	8.45	NA	9.49	7.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3M11-12	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-13	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-14	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-15	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-16	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-17	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-18	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-19	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3M11-20	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3M11-21	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-22	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-23	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3M11-24	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3M11-25	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3M12	NA	NA	NA	NA	NA	NR	25	a	0.8	
3M12-01	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3M12-02	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-03	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-04	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-05	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3M12-06	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M12-07	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-08	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M12-09	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-10	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3M12-11	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3M12-12	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-13	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M12-14	150.8	NA	12.87	NA	15.34	7.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3M12-15	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-16	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M12-17	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M12-18	150.8	NA	12.87	NA	15.34	8..5	NC		NC	
3M12-19	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-20	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M12-21	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3M12-22	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-23	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3M12-24	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M12-25	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M13	NA	NA	NA	NA	NA	NR	6		0.2	
3M13-01	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3M13-02	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3M13-03	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M13-04	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3M13-05	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M13-06	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3M13-07	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3M13-08	150.8	NA	12.87	NA	15.34	5..5	NC		NC	
3M13-09	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3M13-10	150.8	NA	12.87	NA	15.34	5.0	NC		NC	
3M13-11	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3M13-12	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3M13-13	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3M13-14	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3M13-15	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3M13-16	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3M13-17	150.8	NA	12.87	NA	15.34	5.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3M13-18	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3M13-19	150.8	NA	12.87	NA	15.34	5.5	NC		NC	
3M13-20	150.8	NA	12.87	NA	15.34	6.5	NC		NC	
3M13-21	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3M13-22	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3M13-23	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3M13-24	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3M13-25	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3M14	NA	NA	NA	NA	NA	NR	8		1.1	
3M14-01	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3M14-02	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3M14-03	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3M14-04	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-05	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-06	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-07	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-08	156.0	NA	10.27	NA	12.48	6.5	NC		NC	
3M14-09	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3M14-10	156.0	NA	10.27	NA	12.48	6.0	NC		NC	
3M14-11	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3M14-12	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3M14-13	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-14	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-15	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-16	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-17	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-18	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-19	156.0	NA	10.27	NA	12.48	5.0	NC		NC	
3M14-20	156.0	NA	10.27	NA	12.48	5.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3M14-21	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3M14-22	156.0	NA	10.27	NA	12.48	5.5	NC		NC	
3M14-23	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-24	NA	NA	NA	NA	NA	NS	NC		NC	
3M14-25	NA	NA	NA	NA	NA	NS	NC		NC	
3M15	NA	NA	NA	NA	NA	NS	NS		NS	
3N01	NA	NA	NA	NA	NA	NR	21		1.1	
3N01-01	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-02	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N01-03	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N01-04	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-05	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N01-06	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N01-07	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-08	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N01-09	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N01-10	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N01-11	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-12	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N01-13	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N01-14	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-15	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N01-16	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N01-17	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-18	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N01-19	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-20	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-21	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N01-22	175.5	NA	8.45	NA	9.49	6.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N01-23	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N01-24	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N01-25	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N02	175.5	NA	8.45	NA	9.49	6.5	12		0.9	
3N02-01	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N02-02	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N02-03	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N02-04	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N02-05	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N02-06	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N02-07	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N02-08	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N02-09	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N02-10	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N02-11	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N02-12	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N02-13	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N02-14	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N02-15	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N02-16	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N02-17	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N02-18	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N02-19	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N02-20	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N02-21	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N02-22	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N02-23	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N02-24	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N02-25	175.5	NA	8.45	NA	9.49	5.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N03	175.5	NA	8.45	NA	9.49	4.5	13		0.4	
3N03-01	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-02	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N03-03	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N03-04	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-05	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-06	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N03-07	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-08	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N03-09	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N03-10	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N03-11	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N03-12	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N03-13	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-14	175.5	NA	8.45	NA	9.49	4.5	NC		NC	
3N03-15	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N03-16	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N03-17	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-18	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N03-19	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-20	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-21	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-22	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-23	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N03-24	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N03-25	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04	175.5	NA	8.45	NA	9.49	5.5	NS		NS	
3N04-01	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N04-02	175.5	NA	8.45	NA	9.49	5.5	NC		NC	

APPENDIX

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N04-03	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N04-04	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N04-05	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N04-06	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-07	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-08	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-09	175.5	NA	8.45	NA	9.49	NR	NC		NC	
3N04-10	175.5	NA	8.45	NA	9.49	NR	NC		NC	
3N04-11	175.5	NA	8.45	NA	9.49	NR	NC		NC	
3N04-12	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-13	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-14	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N04-15	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-16	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-17	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-18	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N04-19	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N04-20	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N04-21	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N04-22	175.5	NA	8.45	NA	9.49	5.5	NC		NC	
3N04-23	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N04-24	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N04-25	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05	175.5	NA	8.45	NA	9.49	5.0	18		0.5	
3N05-01	175.5	NA	8.45	NA	9.49	5.0	NC		NC	
3N05-02	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N05-03	175.5	NA	8.45	NA	9.49	6.0	NC		NC	
3N05-04	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-05	175.5	NA	8.45	NA	9.49	6.5	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N05-06	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N05-07	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N05-08	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-09	NA	NA	NA	NA	NA	NS	NC		NC	
3N05-10	NA	NA	NA	NA	NA	NS	NC		NC	
3N05-11	NA	NA	NA	NA	NA	NS	NC		NC	
3N05-12	NA	NA	NA	NA	NA	NS	NC		NC	
3N05-13	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N05-14	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N05-15	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N05-16	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-17	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-18	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-19	NA	NA	NA	NA	NA	NS	NC		NC	
3N05-20	NA	NA	NA	NA	NA	NS	NC		NC	
3N05-21	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-22	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-23	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-24	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N05-25	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N06	175.5	NA	8.45	NA	9.49	7.5	48	a	0.9	
3N06-01	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N06-02	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N06-03	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N06-04	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N06-05	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-06	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-07	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-08	175.5	NA	8.45	NA	9.49	6.5	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N06-09	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N06-10	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N06-11	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N06-12	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N06-13	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N06-14	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-15	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-16	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-17	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N06-18	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N06-19	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N06-20	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N06-21	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-22	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N06-23	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N06-24	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N06-25	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N07	175.5	NA	8.45	NA	9.49	7.5	31	a	0.9	
3N07-01	NA	NA	NA	NA	NA	NS	NC		NC	
3N07-02	NA	NA	NA	NA	NA	NS	NC		NC	
3N07-03	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-04	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-05	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N07-06	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N07-07	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-08	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-09	NA	NA	NA	NA	NA	NS	NC		NC	
3N07-10	NA	NA	NA	NA	NA	NS	NC		NC	
3N07-11	NA	NA	NA	NA	NA	NS	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N07-12	NA	NA	NA	NA	NA	NS	NC		NC	
3N07-13	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-14	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N07-15	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-16	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-17	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-18	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-19	175.5	NA	8.45	NA	9.49	NR	NC		NC	
3N07-20	175.5	NA	8.45	NA	9.49	NR	NC		NC	
3N07-21	175.5	NA	8.45	NA	9.49	NR	NC		NC	
3N07-22	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N07-23	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N07-24	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N07-25	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08	175.5	NA	8.45	NA	9.49	8.5	24		1	
3N08-01	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N08-02	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-03	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-04	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-05	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-06	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-07	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N08-08	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-09	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-10	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-11	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-12	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N08-13	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-14	175.5	NA	8.45	NA	9.49	8.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N08-15	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3N08-16	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N08-17	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-18	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-19	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-20	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-21	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-22	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N08-23	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N08-24	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N08-25	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N09	NA	NA	NA	NA	NA	NR	17		1.5	
3N09-01	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N09-02	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N09-03	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N09-04	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N09-05	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N09-06	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N09-07	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N09-08	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N09-09	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N09-10	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N09-11	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N09-12	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N09-13	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N09-14	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N09-15	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N09-16	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N09-17	175.5	NA	8.45	NA	9.49	7.5	NC		NC	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N09-18	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N09-19	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N09-20	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N09-21	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N09-22	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N09-23	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N09-24	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N09-25	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N10	NA	NA	NA	NA	NA	NR	32	a	0.9	
3N10-01	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N10-02	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N10-03	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N10-04	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N10-05	175.5	NA	8.45	NA	9.49	6.5	NC		NC	
3N10-06	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N10-07	175.5	NA	8.45	NA	9.49	7.5	NC		NC	
3N10-08	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N10-09	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N10-10	175.5	NA	8.45	NA	9.49	7.0	NC		NC	
3N10-11	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N10-12	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3N10-13	175.5	175.0	8.45	12.0	9.49	12.5	NC		NC	
3N10-14	175.5	NA	8.45	NA	9.49	10.0	NC		NC	
3N10-15	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N10-16	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3N10-17	175.5	NR	8.45	NR	9.49	11.0	NC		NC	
3N10-18	175.5	NR	8.45	NR	9.49	12.5	NC		NC	
3N10-19	175.5	NR	8.45	NR	9.49	12.5	NC		NC	
3N10-20	175.5	NR	8.45	NR	9.49	12.5	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N10-21	175.5	NR	8.45	NR	9.49	13.0	NC		NC	
3N10-22	175.5	NR	8.45	NR	9.49	12.0	NC		NC	
3N10-23	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3N10-24	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N10-25	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N11	NA	NA	NA	NA	NA	NR	26	a	1.1	
3N11-01	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-02	175.5	NR	8.45	NR	9.49	10.0	NC		NC	
3N11-03	175.5	NR	8.45	NR	9.49	10.0	NC		NC	
3N11-04	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3N11-05	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N11-06	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N11-07	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3N11-08	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-09	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N11-10	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N11-11	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N11-12	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-13	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N11-14	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N11-15	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N11-16	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-17	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-18	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N11-19	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-20	175.5	NA	8.45	NA	9.49	8.0	NC		NC	
3N11-21	175.5	NA	8.45	NA	9.49	8.5	NC		NC	
3N11-22	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-23	175.5	NA	8.45	NA	9.49	9.0	NC		NC	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N11-24	175.5	NA	8.45	NA	9.49	9.0	NC		NC	
3N11-25	175.5	NA	8.45	NA	9.49	9.5	NC		NC	
3N12	NA	NA	NA	NA	NA	NR	2		0.4	
3N12-01	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3N12-02	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3N12-03	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3N12-04	150.8	NA	12.87	NA	15.34	9.5	NC		NC	
3N12-05	150.8	NA	12.87	NA	15.34	10.0	NC		NC	
3N12-06	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3N12-07	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3N12-08	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3N12-09	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3N12-10	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3N12-11	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3N12-12	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3N12-13	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3N12-14	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3N12-15	NA	NA	NA	NA	NA	NS	NC		NC	
3N12-16	NA	NA	NA	NA	NA	NS	NC		NC	
3N12-17	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3N12-18	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3N12-19	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3N12-20	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3N12-21	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3N12-22	150.8	NA	12.87	NA	15.34	8.0	NC		NC	
3N12-23	150.8	NA	12.87	NA	15.34	7.5	NC		NC	
3N12-24	NA	NA	NA	NA	NA	NS	NC		NC	
3N12-25	NA	NA	NA	NA	NA	NS	NC		NC	
3N13	NA	NA	NA	NA	NA	NR	6		0.6	

APPENDIX C
RADIOLOGICAL DATA (FIDLER SURVEY 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:
3N13-01	150.8	NA	12.87	NA	15.34	9.0	NC		NC	
3N13-02	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3N13-03	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-04	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-05	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-06	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-07	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-08	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-09	150.8	NA	12.87	NA	15.34	8.5	NC		NC	
3N13-10	150.8	NA	12.87	NA	15.34	7.0	NC		NC	
3N13-11	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3N13-12	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-13	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-14	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-15	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-16	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-17	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-18	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-19	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-20	150.8	NA	12.87	NA	15.34	6.0	NC		NC	
3N13-21	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-22	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-23	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-24	NA	NA	NA	NA	NA	NS	NC		NC	
3N13-25	NA	NA	NA	NA	NA	NS	NC		NC	
3N14	NA	NA	NA	NA	NA	NR	11		0.7	
3N15	NA	NA	NA	NA	NA	NR	22		2.2	a
3O01	NA	NA	NA	NA	NA	NR	16		0.4	
3O02	NA	NA	NA	NA	NA	NR	25	a	0.6	

APPENDIX C

RADIOLOGICAL DATA (FIDLER SURVEY 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:
3O03	NA	NA	NA	NA	NA	NR	11		0.6	
3O04	NA	NA	NA	NA	NA	NR	21		0.5	
3O05	NA	NA	NA	NA	NA	NR	27	a	0.6	
3O06	NA	NA	NA	NA	NA	NR	53	a	0.8	
3O07	NA	NA	NA	NA	NA	NR	40	a	0.8	
3O08	NA	NA	NA	NA	NA	NR	32	a	0.6	
3O09	NA	NA	NA	NA	NA	NR	52	a	0.6	
3O10	NA	NA	NA	NA	NA	NR	1		0.5	
3O11	NA	NA	NA	NA	NA	NR	17		0.7	
3O12	NA	NA	NA	NA	NA	NR	27	a	1.1	
3O13	NA	NA	NA	NA	NA	NR	16		0.8	
3O14	NA	NA	NA	NA	NA	NR	19		0.8	
3O15	NA	NA	NA	NA	NA	NR	20		1.2	

NR - Reading not recorded.
NC - No sample collected; location not an original grid point.
NA - Reading not taken; contamination criteria for the out channel not exceeded.
NS - No sample collected; grid point under asphalt, gravel or a structure.
a - Concentration at or above the Mound Soil Screening Facility detection level of 25 pCi/g for Pu-238 and 2 pCi/g for Th-232.
KCPM - count per minute X 1000
CPM - counts per minute
pCi/g - picocuries per gram

Appendix D

APPENDIX D

SOIL GAS SURVEY REPORT

Final Report of Findings of the PETREX Soil Gas Survey at

Area of Concern 3, Operable Unit 5

FINAL REPORT OF FINDINGS
OF THE PETREX SOIL GAS SURVEY
OF AREA OF CONCERN -3 / OPERABLE UNIT -5
U. S. DEPARTMENT OF ENERGY MOUND FACILITY
MIAMISBURG, OHIO

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Appendix A: Petrex Protocol
Appendix B: Table 1
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Appendix E: Sample Submittal and Chain of Custody Forms

(Plates 1 through 5 are provided separately and unbound)

1.0 EXECUTIVE SUMMARY

SAIC and NERI performed a Petrex passive soil gas survey at AOC-3 / OU-5 on the grounds of the USDOE Mound Facility in Miamisburg, Ohio. The purpose of this survey was to assess the potential for the presence of subsurface contamination by VOC's and SVOC's, particularly hydrocarbons from petroleum products such as solvents, thinners (for paint), and oils; halogenated organic compounds which may have been used in numerous chemical or fabrication processes; and styrene from polymer wastes.

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 July 18 and September 1, 1994. All Petrex soil gas samples collected in the field were returned to NERI for standard Thermal Desorption - Mass Spectrometry analysis.

Survey results indicate:

1. Anomalous levels of petroleum hydrocarbons (from fuels, fuel oils, and tar or creosote) and halogenated hydrocarbons (from solvents) occur in the subsurface within AOC-3.

2. These VOC's (and SVOC's) likely derive from multiple on-site releases of petroleum and halogenated solvent products. Potential points of product release correspond with the location of Buildings No. 19, No. 42, No. 55, and No. 72. Products may have been released at several other areas on-site not corresponding with any extant structures.

3. The petroleum hydrocarbons and halogenated hydrocarbons detected within AOC-3 may be subject to dispersion and migration to affect areas within AOC-3 and beyond AOC-3 borders to the south and west.

4. Styrenes (from polymer wastes) and 2-butanone were not detected at elevated levels in the soil gas on site.

5. Quantitative testing of soil and groundwater from the Petrex soil gas sampling points at grid coordinates B23, F10, G13, G15, J2, J10, K12, and M8 is recommended as the first step in determining the environmental significance of these survey results.

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 - 3 (AOC-3) within Operable Unit - 5 (OU-5) of the U. S. Department of Energy's Mound Facility in Miamisburg, Ohio. The survey of AOC-3 was performed as part of a larger soil gas survey of the entire OU-5 area. AOC-3 is situated in the far western portion of OU-5, and adjoins the Sewage Disposal Building Area (Area SDB) to the south.

Waste oils, paints and paint thinners, halogenated and nonhalogenated solvents, and polymer wastes may have been released within AOC-3. The purpose of this survey was to locate areas within AOC-3 which exhibit potential soil or groundwater contamination by Volatile and Semivolatile Organic Compounds (VOC's and SVOC's), particularly those suspected to have been released on-site. The information generated by this survey could then be used to 1) locate potential sources areas of contaminants affecting both AOC-3 and neighboring Area SDB, and 2) strategically plan quantitative testing of subsurface media to determine the regulatory significance of OU-5 site investigation results.

3.0 OBJECTIVES

The technical objectives of the Petrex soil gas survey at AOC-3 were to:

1. Collect and identify VOC's and SVOC's in the subsurface.

2. Report results for targeted VOC's and SVOC's and illustrate their areal distribution on-site through mapping of results.

3. Infer the location of possible source areas or areas meriting quantitative investigation from the areal distribution and relative level of the targeted compounds in the soil gas.

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 of soil gas samples from a total of one hundred and eight (108) sample collection points. These sample collection points were arrayed in a uniform rectangular grid at intervals of twenty-five feet and covered an area approximately two acres in size (see Plate 1 provided with this report).

One soil gas sample from each sampling point was submitted for Thermal Desorption-Mass Spectrometry (TD-MS) analysis. 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 verification. These duplicate samples were also analyzed by TD-MS in the same analytical run (see results under subsection 7.4).

6.0 FIELD ACTIVITIES

AOC-3 is located in the far western portion of OU-5 and is bordered on the south by Area SDB. The terrain within AOC-3 slopes gently to the southwest. The site houses several buildings and paved parking areas and is accessed by a railroad spur from the west and paved access roads from the east and north.

All field operations were organized and performed by SAIC personnel. Petrex soil gas samplers were installed within a nine day period beginning July 18, 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 generally installed at a depth of eighteen inches below grade; however, some samplers were installed to within only seven inches of the surface where obstructions to drilling (bedrock or loose gravel) were present.

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 one hundred and fourteen survey samplers) was used in this survey to determine the approximate length of time samplers should be exposed in the field to collect levels of VOC's and SVOC's best suited for analysis. These "time test" samplers were divided into pairs and installed beside the survey samplers at the two sampling grid locations B12 and N12 during the commencement of field operations. Time test samplers from each of these locations were then retrieved from the field and submitted to NERI for analysis after exposures of seven and twelve days.

Analysis of the time test samplers yielded low to moderate response to C_4 to C_9 petroleum hydrocarbons and only very low response to the chlorinated organic compound tetrachloroethene. Furthermore, these analyses indicated that the loading of these compounds to the collectors within the Petrex samplers was increasing very slowly with time. Based on the low and moderate levels of compounds observed in the time test samplers after seven and twelve day's exposure, it was reasoned that an exposure on the order of three weeks would be sufficient to attain the higher relative levels of these compounds best suited for Petrex TD-MS analysis. SAIC field operatives were informed of these findings and advised that all Petrex samplers installed within AOC-3 should be retrieved after receiving an exposure of approximately twenty-one days.

SAIC field crew were first mobilized for sampler retrieval on August 10, 1994. The Petrex samplers were retrieved in the order in which they were installed such that all received an exposure of approximately twenty-four days.

All Petrex soil gas samplers were submitted via overnight courier to NERI for analysis on September 1, 1994. A total of one hundred and eight (108) samplers were logged-in by NERI's laboratory on September 2, 1994 (see submittal and chain of custody documents).

During log-in, it was noted that the collectors within samplers #365 and #453 had been bent and abraded such that much of their charcoal sorbent coating was missing. It was also noted that sampler #434 was missing a cap liner. The liner seated between the glass container and the plastic cap of a Petrex sampler maintains a tight seal against potential contamination in shipping and storage. As these conditions represent compromises to sample integrity, samplers #365, #434, and #453 were withheld from analysis. Six other samples, #396, #451, #459, #463, #466, and #468, were noted to be missing from the original number intended for analysis. Field crew indicated that these six samplers could not be retrieved due to obstructions or disturbance to the site. TD-MS analysis of all other Petrex soil gas samples (one hundred and five collected in the field plus four travel blanks) was performed on October 1 and October 2, 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

Four Petrex soil gas samplers (labeled #886, #887, #888, and #889) 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 each travel blank sample yielded a response to ions by which targeted hydrocarbon compounds, specifically C_6 to C_8 aromatics and other C_5 to C_7 petroleum hydrocarbons, and the targeted chlorinated organics trichloroethane and Freon-11 are reported. Travel blanks #886, #887, and #888 yielded only very low level responses to these compounds; response levels which are at least two orders of magnitude less than those values highlighted as anomalous on plates 2, 4, and 5. Such low level response is commensurate with expected transportation and analytical background.

Travel blank #889, however, clearly demonstrated elevated levels of hydrocarbons, particularly light weight aromatics found in many petroleum products, which were only an order of magnitude lower in level than what may be considered anomalous in the soil gas on-site. This result is atypical and likely indicates that travel blank #889 contained a defective seal. An incompletely sealed Petrex sampler will collect hydrocarbons and other VOC's common at trace levels in the ambient atmosphere of most work environments. The prominent levels of aromatics in travel blank #889 suggests that this travel blank was exposed to an environment particularly influenced by products high in aromatics such as petroleum based solvents or fuels.

These findings suggest that the Petrex samplers used in this survey may have been handled or stored in a potentially contaminating environment, and an improperly sealed sampler held in this environment may demonstrate levels of hydrocarbons which are elevated relative to acceptable background levels, yet still below the higher levels manifested by soil gas samples collected in the field. The results of analysis of the travel blanks for the targeted compounds should be evaluated relative to the results of analysis of the survey samplers.

The majority of Petrex samplers which demonstrate potential defects are culled from the production line or analysis queue, such that any unintended contamination of samplers is a very rare occurrence. NERI's technicians are vigilant in their efforts to prevent sampler contamination in the laboratory. Lot control samplers checked prior to shipment from the laboratory provide assurance to this effect. Attention to environments in the field where samplers may be handled and stored is also crucial to reducing the risk of sampler contamination.

7.4 Sample Duplicates

Of the one hundred and five (105) soil gas samples collected in the field, submitted, and analyzed, ten (9.5%) contained an additional soil gas collector element for the purpose of yielding a duplicate sample for QA analysis. These ten 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 24% 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 occurred in the same patterns of relative abundance by which the target compounds were identified and reported (compare mass spectra of duplicate samples #392 and #2392, and #467 and #2467)

Based on these findings it may be concluded that although analytical response to a particular soil gas environment may vary, this variation was within an acceptable range. No variation between duplicate pair responses equaled or exceeded an order of magnitude, the basis on which the data sets were organized (and contoured on attach maps) for evaluation. The variation observed in this data set 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 VOC's in each sample so that comparisons of these levels may be made between all samples collected from the site.

All VOC's and SVOC's 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.

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 C_5 to C_{11} Petroleum Hydrocarbons	sum of: 70, 72, 78, 84, 86, 92, 98, 100, 106, 110, 112, 114, 120, 124, 126, 128, 134, 138, 140, 142, 148, 152, 154, and 156.
Total Halogenated Hydrocarbons	sum of: 101, 130, 146, 151, and 164.

The letter designations "ND" and "H" appear in the place of some data values in Table 1 and on Plates 2 and 5. The letters "ND" denote that ions by which the targeted compounds are either reported or identified were not detected in that sample. The letter "H" denotes that ions from petroleum hydrocarbons equal in mass to both the reporting ions and secondary ions of halogenated hydrocarbons were detected at levels high enough to mask the potential co-occurrence of halogenated hydrocarbons in the affected samples (see subsection 8.2, below).

Survey results via TD-MS analysis are presented in Table 1 and in Soil Gas Sample Mass Spectra in Appendices B and C, respectively. Plates 1 through 5 illustrate the areal distribution of targeted compounds in the soil gas. As these plates are oversized, they are provided separately and unbound.

TD-MS response to target compounds displayed in Plates 2, 3, 4, and 5 is highlighted by isopleths (contour lines). The sole purpose of these isopleths is to highlight naturally occurring differences (e.g., breaks or lows) in the range of analytical response to the target compounds. Population groupings by which isopleths were chosen are displayed in histograms of the data sets (see Appendix D). These isopleths help define areas of the site which exhibit elevated levels of the targeted compounds in the soil gas and, by doing so, aid in the interpretation of survey results.

8.2 Findings

Sample analysis indicated the occurrence of petroleum hydrocarbons (generally compounds in the C_4 to C_{10} weight range), and the halogenated hydrocarbons tetrachloroethene (PCE), trichloroethene (TCE), trichlorofluoromethane (Freon-11), trichlorotrifluoroethane (Freon-113), trichloroethane (TCA), and dichlorobenzene (DCB) in the soil gas.

Not all compounds were detected in all samples. The majority of the samples exhibited low to moderate relative levels of C_4 to C_{10} petroleum hydrocarbons belonging to the alkane, cycloalkane, and alkene groups, low to moderate levels of the C_6, and C_8 aromatic hydrocarbons benzene and ethylbenzene/xylenes, and pronounced levels of the C_7 aromatic hydrocarbon toluene. These compounds are common constituents of most petroleum fuels, heating oils, some light lubricating oils, and many other petroleum based products. The combinations of compounds observed in the majority of the samples (exemplified by the mass spectrum of sample #397) are typical of vapor derived from the well weathered residue of products particularly high in aromatics such as fuels.

Samples #388, #421, #422, #428, #449, #455 and #469 demonstrated high relative levels of a combination of hydrocarbons from a broad assortment of structural classes (cycloalkanes, etc.) ranging up to C_{15} in molecular weight (see the mass spectra of samples #388, #421, #455, and #469). The pronounced levels of hydrocarbons in these seven samples suggest that they derived from high levels of the residue of medium to heavy weight petroleum products in the subsurface. The collection location of these samples may correspond to the location of potential source areas of contamination by petroleum.

Three compositional characters are apparent among these seven samples. Samples #388 and #469 exhibited pronounced levels of naphthalene or alkyl naphthalenes among various lighter weight cycloalkanes, alkenes, and aromatics. This combination of compounds most likely derives from the residue of either well weathered fuels (or fuel oils) high in naphthalenics, or a mixture of the residue of weathered medium weight fuels and well weathered tar or creosote-like products (which are high in naphthalenics). Although lesser in overall levels, sample #462 also demonstrated this composition. Samples #421, #422, #428, and #449 exhibited particularly pronounced levels of medium and heavy weight cycloalkenes, dienes, alkynes, and alkyl styrenes. Soil gas of this composition is most like the vapor of partially weathered heavy fuels, fuel oils, or heating oils. Sample #455 exhibited pronounced levels of light and medium weight aromatics, alkanes, cycloalkanes, and alkenes. The composition of this sample, plus samples #446, #456, #457, #464, and #478 which demonstrated equally pronounced though lower overall levels of the same compounds, is most like the composition of vapor derived from the residue of medium weight fuel-like products.

Site history indicates that styrene (from polymer wastes) may have been released on site. Sixteen soil gas samples (listed in Table 1) demonstrated elevated levels of styrene and alkyl styrenes, but only as components of petroleum (see the mass spectrum of sample #421). No samples demonstrated pronounced levels of styrenes separate from petroleum, or combined with petroleum, but out of proportion with levels of other petroleum hydrocarbons which might indicate origin from a separate waste product. The tendency for styrenes to polymerize (form large, multi-molecule chains) on exposure may be a factor in these results. Polymerization may act to reduce the rate of vaporization of styrene from polymer wastes in the subsurface, and thus reduce the availability of styrene vapor for detection in the soil gas.

Site history similarly indicates that the solvent 2-butanone may have been released within or nearby AOC-3. All samples were examined for the presence of elevated levels of 2-butanone (methyl ethyl ketone), but no evidence of its existence was found. Like all ketones, 2-butanone is water soluble. In the presence of water (including soil moisture), water soluble organic compounds will preferentially enter solution and not disperse as a gas. This phenomenon severely restricts the potential for ketones (and other compounds such as alcohols and ethers) to be detected in the soil gas. Water soluble organic compounds are usually detected in the soil gas only when they have been recently released and occur at high concentrations in the near surface. Thus, although 2-butanone was not detected in any of the soil gas samples, this compound may still be present at levels of concern in subsurface media.

PCE and TCE were the halogenated organic compounds most frequently detected in the soil gas (see the mass spectra of samples #415 and #438). Other halogenated hydrocarbons were detected much less frequently. Freon-11 and/or Freon-113 were detected, and generally at only low relative levels, in samples #368, #395, #401, #413, #404, #420, #423, #424, #425, #440, #457, and #471 (see mass spectra of samples #440 and #423). TCA was detected only at low relative levels and only in samples #368, #381, #401, #407, and #533 (see mass spectrum of sample #368). DCB was detected only in the three samples #367, #400, and #533 and only at low levels (see mass spectrum of sample #533.)

Dichloroethene (a suspected site contaminant) was not confidently identified in any sample; however, samples #401 and #413 did exhibit the potential to contain low relative levels of this compound. Although numerous chlorinated solvents (including dichloromethane, dichloroethane, and carbon tetrachloride) were also suspected to be present in the subsurface, no other halogenated compounds were detected in the soil gas.

The highest relative levels of PCE, TCE, and Freon-11, and Freon-113 were detected in samples #401, #413, #471, and #423, respectively.

Four samples, #421, #422, #428, and #449, yielded a high TD-MS response to ions derived from petroleum hydrocarbons which have the same atomic mass as the principal ions derived from PCE, TCE, Freons, and DCB (see response to total halogenated hydrocarbons in Table 1 and Plate 5). This high response (in excess of 100,000 ion counts) and coincidence of atomic masses masked any TD-MS response to PCE, TCE, Freons, and DCB of similar or lesser magnitude. Although analytical results for several other samples also demonstrated potential masking of halogenated compounds by petroleum hydrocarbons, only samples #421, #422, #428, and #449 contained levels of hydrocarbons high enough to mask levels of halogenated hydrocarbons of one hundred thousand ion counts up to one million ion counts.

Unfortunately, the duplicates of samples #421, #422, #428, and #449 could not be analyzed by TD-GC/MS due to instrument malfunction. However, based on observed TD-MS responses to halogenated hydrocarbon reporting ions in the samples (and accounting for the clear occurrence of petroleum hydrocarbons), maximum potential levels of total halogenated hydrocarbons in these four samples were estimated not to exceed one million ion counts. Furthermore, the levels of halogenated hydrocarbons detected in the soil gas at all sampling points surrounding these samples ranged from non-detection to approximately one hundred thousand ion counts. Taken together, these results suggest that the levels of total halogenated hydrocarbons, if any, in samples #421, #422, #428, and #449 do not likely exceed values on the order of one hundred thousand ion counts (see section 9.4 for further discussion).

Results for the targeted compound groups and their areal distribution on-site are discussed in greater detail in section 9.0, below.

The high sensitivity to VOC's inherent in the Petrex Technique must be considered in the evaluation of these findings. Elevated relative levels of VOC's and SVOC's in the soil gas detected in this Petrex survey may derive from concentrations of these VOC's and SVOC's in subsurface media which are below the threshold of detection of most quantitative analyses.

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 samples. The majority of the samples contained only the lighter weight (C_6 through C_9) aromatics. Very few samples were observed to contain C_{10} and heavier aromatic hydrocarbons.

The areal distribution of Total Aromatic Hydrocarbons in the soil gas at AOC-3 is displayed on Plate 2. Elevated levels of aromatics are present in numerous zones on the periphery of the study area to the east and west and in one larger zone centered in the middle of AOC-3. This larger zone covers terrain surrounding the railroad spur and Building No. 55, and extends southward toward the border with Area SDB. The highest levels of aromatics were detected in the soil gas within this large central zone at the collection point of sample #455 (sampling grid coordinates G13) situated very near the bed of the railroad spur.

As discussed in Findings, above, the soil gas at sampling points within this zone demonstrated several different compositional characters. This finding, combined with findings of numerous small zones of elevated levels of aromatics through out the remainder of AOC-3, indicates that aromatics hydrocarbons in the subsurface likely derive from multiple sources and multiple source materials. The large zone in the middle of AOC-3 likely coincides with potential points of release or source areas of petroleum products containing aromatics (particularly medium and heavy weight fuels).

9.2 The Distribution of Total Semivolatile Hydrocarbons

Total semivolatile hydrocarbons are reported as the combined response to naphthalene, C_{11} through C_{15} alkyl naphthalenes, and C_{12}, C_{14}, and C_{16} polycyclic hydrocarbons (including acenapthene, anthracene, and pyrene) . These compounds are 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) are also often found in medium to heavy weight fuels and heating oils. A review of the mass spectra of all samples which yielded an elevated response to semivolatiles indicated that very few semivolatile compounds over C_{12} in molecular weight may be present in the soil gas, and that the majority of the responses derive from the presence of naphthalenics.

The areal distribution of Total Semivolatile Hydrocarbons is displayed by Plate 3. Elevated levels of semivolatile hydrocarbons, principally naphthalene and alkyl naphthalenes, in the soil gas generally coincide with elevated levels of a broad assortment of other petroleum hydrocarbons, which, in combination, are typical of the vapor of various weathered fuels. Only the soil gas at the collection points of samples #388, #462, and #469 (grid coordinates B23, F14, and G15) demonstrated levels of naphthalenics which were anomalously high for fuels (see mass spectra). This finding may indicate that petroleum products particularly high in naphthalenics (e.g., tar, creosote, etc.) may have been released at these three sampling points.

9.3 The Distribution of Total C_5 to C_{11} Petroleum Hydrocarbons

Total C_5 to C_{11} petroleum hydrocarbons reported here include alkanes, cycloalkanes, alkenes, cycloalkenes, dienes (referred to collectively as aliphatics), plus aromatics, naphthalene, and alkyl naphthalenes. In various combinations, these compounds, together, make up the bulk of most petroleum fuels, oils, and lubricants. Total C_5 to C_{11} petroleum hydrocarbons are reported to best illustrate the occurrence in the soil gas of petroleum product vapor of which aromatic and semivolatile compounds may not be prominent components. Although C_4 hydrocarbons were also detected in most samples, the levels of C_4 compounds are excluded from reporting as they (and lighter weight species) are common constituents of most environments.

The areal distribution of total C_5 to C_{11} petroleum hydrocarbons in the soil gas on-site, displayed in Plate 4, was similar to the areal distribution of elevated levels of total aromatics. except that several zones in which heavier aliphatic compounds are more abundant in the soil gas appear better defined. Numerous small zones of elevated total petroleum hydrocarbons occurred throughout the central portion of the site. The highest levels of total petroleum hydrocarbons were detected at sampling points nearest building No. 55 and at a point near the northeast border of AOC-3 (at grid coordinate F10). As noted in Findings, above, the soil gas in samples from these locations contained prominent levels of aliphatic compounds (particularly cycloaklenes/dienes) and alkyl styrenes. The composition of the soil gas represented by these samples is typical of weathered heavy fuel oil-like product vapor. Slightly less elevated levels of total petroleum hydrocarbons were detected in numerous samples in a zone centered on the railroad spur in the central portion of the site. The composition of the soil gas in this zone, and in the majority of other smaller zones located across the site, is more characteristic of the vapor of weathered to well weathered medium weight fuels.

Findings of highly elevated levels of several distinct mixtures of total petroleum hydrocarbons in numerous separate zones suggest the presence of numerous source areas of petroleum products within AOC-3 . Specific points of release of petroleum products may coincide with the southern and southwestern face of Building No. 55, and the fork in the railroad spur in the center on the site. Various more isolated areas which also exhibited similarly pronounced levels of total petroleum hydrocarbons or distinct product composition, such as those at sampling grid coordinates B23, F10, and G15, may also correspond to former points of release of petroleum products. Smaller zones which exhibited less elevated petroleum hydrocarbon levels, especially those observed to the south and west of suspected source areas (such as those near coordinates C15, N8, and N14) and possibly those located off-site within Area SDB (see report of findings for Area SDB dated 10/10/94) may derive from the dispersion and migration of hydrocarbons from these suspected source areas.

9.4 The Distribution of Total Halogenated Hydrocarbons

Total Halogenated Hydrocarbons are reported as the combined levels of tetrachloroethene (PCE), trichloroethene (TCE), trichlorofluoromethane (Freon-11), trichlorotrifluoroethane (Freon-113), trichloroethane (TCA), and dichlorobenzene (DCB) in the soil gas. PCE, TCE, and TCA are volatile liquids commonly used as solvents and cleaning agents for petroleum based products. Freon-11 and Freon-113 are highly volatile liquids used widely as refrigerants or as a solvents in vapor degreasers. The 1,3- and 1,4- isomers of DCB are liquids also used as solvents and cleaning agents for petroleum based products; however, the 1,2-DCB isomer is a solid under normal conditions and is used most often as a fumigant.

PCE and TCE were detected much more frequently in the soil gas than were the other halogenated organics. Thus, the majority of the elevated responses to Total Halogenated Hydrocarbons shown in Table 1 and on Plate 5 principally reflect the presence of a combination of PCE and TCE in the soil gas.

Elevated levels of halogenated organics occur in the soil gas in numerous zones located principally in the western half of the site. The two largest zones of high levels of halogenated hydrocarbons border the location of Buildings No. 19 and No. 72. A smaller zone borders the location of Building No. 42 in the eastern half of the site. These three zones of elevated levels of halogenated hydrocarbons likely relate to the use and accidental release of chlorinated solvents within or in the vicinity of these buildings. Thus, each of these zones likely represent source areas from which these halogenated compounds may further disperse and migrate. The several individual points in the southwest of AOC-3 and in the northern border area of Area SDB (see report on Area SDB dated 10/10/94) may derive from the dispersion and migration of halogenated hydrocarbons from source areas to the north.

As discussed above (in section 8.2), despite interference by high levels of petroleum hydrocarbons, samples #421, #422, #428, and #449 demonstrated the potential to contain levels of total halogenated hydrocarbons ranging from non-detection to values on the order of one hundred thousand ion counts. The occurrence of elevated levels of halogenated hydrocarbons in the soil gas at these sampling points would further extend the zone of elevated halogenated hydrocarbon levels surrounding Building No. 72, and would indicate the potential occurrence of a small scale source area (or dispersion from a source area) in the north central portion of AOC-3. Southward extension of the zone surrounding Building No. 72 would suggest that halogenated hydrocarbons may be subject to southward migration and dispersion from a source area likely associated with Building No. 72.

10.0 CONCLUSIONS

From the findings of this Petrex soil gas survey the following conclusions may be drawn:

1. Elevated levels of petroleum hydrocarbons occur in the soil gas particularly throughout the central and southern portions of AOC-3. These hydrocarbons likely derive from the on-site release of various petroleum products including medium weight fuels, heavy weight fuels or fuel oils, tars or creosotes. Potential source areas of these products correspond with the locations of Building No. 55, the railroad spur through the center of the AOC, and points in the vicinity of grid coordinates B23, F10, and G15.

2. Elevated levels of halogenated hydrocarbons occur in the soil gas on-site. These compounds, especially TCE and PCE, likely derive from the on-site release of products used as solvents and cleaners. Potential source areas of these products correspond to the locations of Buildings No. 19, No. 42, and No. 72.

3. Both petroleum hydrocarbons and halogenated hydrocarbons may be subject to dispersion and migration in the subsurface. The dispersion and migration of these compounds from source areas with AOC-3 may affect downgradient areas within AOC-3 or beyond AOC-3 borders to the south and west.

4. Although no elevated levels of styrenes (from polymer wastes), and 2-butanone (used most often as a solvent and thinner) were detected in the soil gas on-site, the potential still exists for these compounds to be present in the subsurface (see section 9.0).

5. Any verification of soil gas results for petroleum hydrocarbons should begin with testing of soil and groundwater (if reasonably accessible) from the collection points of samples #388 #428, #421, #449, #455, #456, and #469 (grid coordinates B23, F10, L11, K12, G13, F13, and G15, respectively). Each of these locations exhibited the highest levels of petroleum hydrocarbons in the soil gas.

6. Any verification of soil gas results for halogenated hydrocarbons should begin with testing of soil and groundwater (particularly at the interface with bedrock or other confining units, if reasonably accessible) from the collection points of samples #401, #411, #413, and #424 (grid coordinates M8, K3, J2, and J10, respectively). These locations exhibited the highest combined levels in the soil gas of the halogenated hydrocarbons detected on-site.

7. The environmental significance of the existence of petroleum hydrocarbons and halogenated hydrocarbons in the subsurface can only be evaluated through quantitative testing of soil and groundwater.

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.

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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-3 Petrex Survey Results

NERI Project: 2114-6E
Site: Operable Unit -5, USDOE Mound Facility
Analysis: Thermal Desorption - Mass Spectrometry
Date of Analysis: 10/1/94 to 10/2/94
Units: Ion Counts

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total C5 to C11 Petroleum Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
364	55,449	ND	101,284	ND
366 (g)	3,779,964	103,167	8,139,497	15,243
367	1,965,225	8,272	6,126,698	49,262
368	541,718	5,804	3,287,065	85,232
369	183,114	ND	515,745	ND
370	250,274	ND	421,688	3,293
381	5,405	ND	13,086	6,184
382	5,528	ND	16,179	ND
383	270,127	1,818	701,227	6,617
2383 (e)	556,074	9,294	1,394,552	14,402
384	63,282	ND	140,639	ND
385	314,062	9,316	1,139,333	1,352
386	637,715	36,797	1,238,370	4,949
387	447,281	694	871,542	ND
388 (g)	1,683,619	3,591,950	18,179,165	H
389	1,550,019	19,250	3,315,453	8,510
390	316,726	ND	706,951	ND

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total C5 to C11 Petroleum Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
391	97,124	ND	164,199	ND
392	1,266,945	29,634	2,342,850	ND
2392 (e)	786,880	21,359	1,406,813	ND
393	3,077,942	30,391	5,269,256	2,038
394	111,190	ND	176,793	2,315
395	361,526	3,529	1,846,711	59,513
397	518,761	ND	1,023,287	12,009
398	549,844	27,695	1,301,637	61,519
399	526,501	ND	990,659	172,102
400	2,847,748	37,122	6,600,952	25,673
401 (f)	299,188	ND	1,164,041	1,402,156
402	167,575	ND	388,881	5,084
403	114,664	ND	308,756	ND
404	39,517	6,565	58,532	10,716
2404 (e)	25,348	8,818	39,115	13,613
405	9,985	ND	18,796	1,748
406	67,617	ND	146,226	53,257
407	138,995	ND	278,243	245,246
408	80,413	ND	180,995	109,317
409	183,956	6,653	622,320	364,627
410	41,653	ND	64,923	ND
411	178,385	ND	894,665	2,289,774
412	44,534	ND	111,817	2,075

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total C5 to C11 Petroleum Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
413 (f)	199,875	ND	1,661,581	3,185,109
414	74,504	ND	209,044	43,088
415	50,395	5,351	254,994	212,387
416	1,494,139	15,880	2,781,113	127,571
417	294,762	1,714	772,337	52,752
418	276,984	1,119	895,844	18,768
2418 (e)	536,827	1,397	2,208,918	17,894
419	1,725,780	17,200	4,770,233	644,946
420	524,399	19,138	1,560,795	326,698
421 (g)	7,836,060	4,432,861	47,117,550	H
422 (g)	5,300,010	738,062	25,911,882	H
423	378,671	24,260	898,803	125,018
424 (g)	5,182,715	119,254	15,150,924	1,267,283
425	83,901	13,714	170,954	77,791
426	550,818	2,433	1,024,168	19,469
427	358,423	2,557	688,528	1,575
428 (g)	5,455,638	2,977,682	39,123,288	H
429	295,285	720	676,610	ND
430	494,255	ND	741,769	3,159
2430 (e)	604,125	ND	1,022,004	4,130
431	247,124	ND	381,456	ND
432 (g)	1,320,490	5,676	2,400,074	2,292

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total C5 to C11 Petroleum Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
433	1,300,616	17,900	2,292,880	ND
435	320,782	ND	978,016	ND
2435 (e)	165,286	ND	504,101	ND
436	643,625	18,694	2,192,200	8,522
437	62,349	ND	155,170	25,881
438	167,188	ND	230,508	132,057
439	17,158	ND	20,047	62,019
440	78,178	ND	166,979	222,050
441	339,182	ND	568,714	ND
2441 (e)	258,674	ND	424,978	ND
442	238,507	ND	525,192	ND
443	826,063	644	1,418,946	21,163
444	219,089	ND	453,125	3,314
445	673,870	6,109	1,638,170	16,239
446 (g)	4,921,993	123,352	10,604,975	H
447 (g)	2,874,369	58,087	6,877,151	6,795
448	1,232,352	10,344	2,387,412	3,965
449 (g)	4,719,578	3,010,111	58,511,629	H
450	117,772	2,434	342,350	8,006
452	217,969	ND	585,965	190,428
454	77,531	ND	315,496	ND
455 (g)	11,381,059	439,362	28,413,364	H
456 (g)	3,903,393	62,200	6,675,098	ND
2456 (e)(g)	2,811,544	33,149	4,849,985	ND

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total C5 to C11 Petroleum Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
457	3,912,098	12,792	10,253,227	44,083
458	504,970	2,471	1,212,045	29,829
460	717,587	879	1,834,348	ND
461	773,625	ND	1,992,486	ND
462	613,217	391,914	1,843,090	ND
464 (g)	5,046,958	35,417	9,036,983	ND
465	734,392	11,027	2,147,007	6,512
467	529,229	121,550	1,558,887	ND
2467 (e)	941,356	49,159	2,590,637	ND
469 (g)	2,470,086	3,971,768	8,768,713	7,738
470	315,976	1,029	491,762	ND
471	868,460	4,845	3,680,166	51,019
472	884,927	ND	2,195,418	ND
473	645,047	ND	1,371,740	ND
474	175,228	ND	256,679	10,329
475	8,231	ND	13,970	ND
476	52,763	ND	149,915	ND
2476 (e)	81,832	ND	233,885	ND
477	557,335	3,999	1,157,204	7,030
478 (g)	4,868,478	148,373	9,730,892	39,499
532	229,993	ND	334,139	55,520
533	194,691	1,583	447,780	28,454

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total C5 to C11 Petroleum Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
534 (g)	3,423,136	147,353	9,212,410	14,114
880	574,011	3,728	1,342,113	124,720
881	2,311,297	52,728	8,687,091	2,334
882	2,277,681	20,167	9,069,435	36,150
883	47,174	3,306	109,740	469,673
884	1,775,312	26,408	6,007,512	ND
885	157,780	ND	398,185	ND
886 *	2,765	ND	6,179	2,906
887 *	5,412	ND	14,594	4,225
888 *	3,486	ND	11,651	8,315
889 *	69,514	ND	100,473	6,780

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 70, 72, 78, 84, 86, 92, 98, 100, 106, 110, 112, 114, 120, 124, 126, 128, 134, 138, 140, 142, 148, 152, 154, and 156.
(d) Intensity of response to ions of atomic masses 101, 130, 146, 151, and 164.
(e) Duplicate of preceding sample.
(f) Sample exhibits the potential to contain a low level of dichloroethene.
(g) Sample exhibits the potential to contain low levels of styrenes as components of petroleum.
H Identification of target compounds was interfered with by hydrocabons; see text.
ND Target compounds were not detected in this sample.
* Travel Blank

APPENDIX C
SAMPLE MASS SPECTRA

Sample Number

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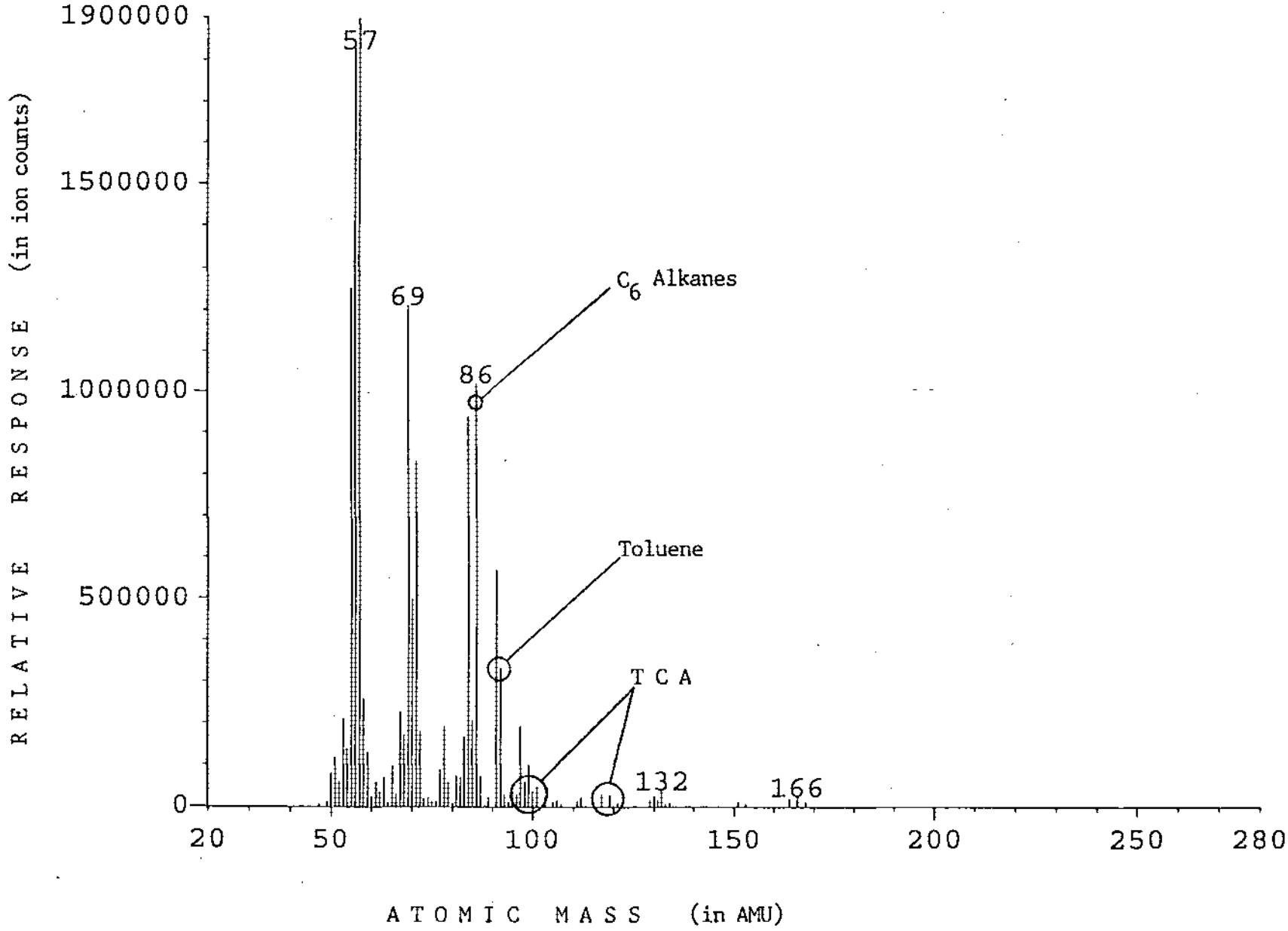

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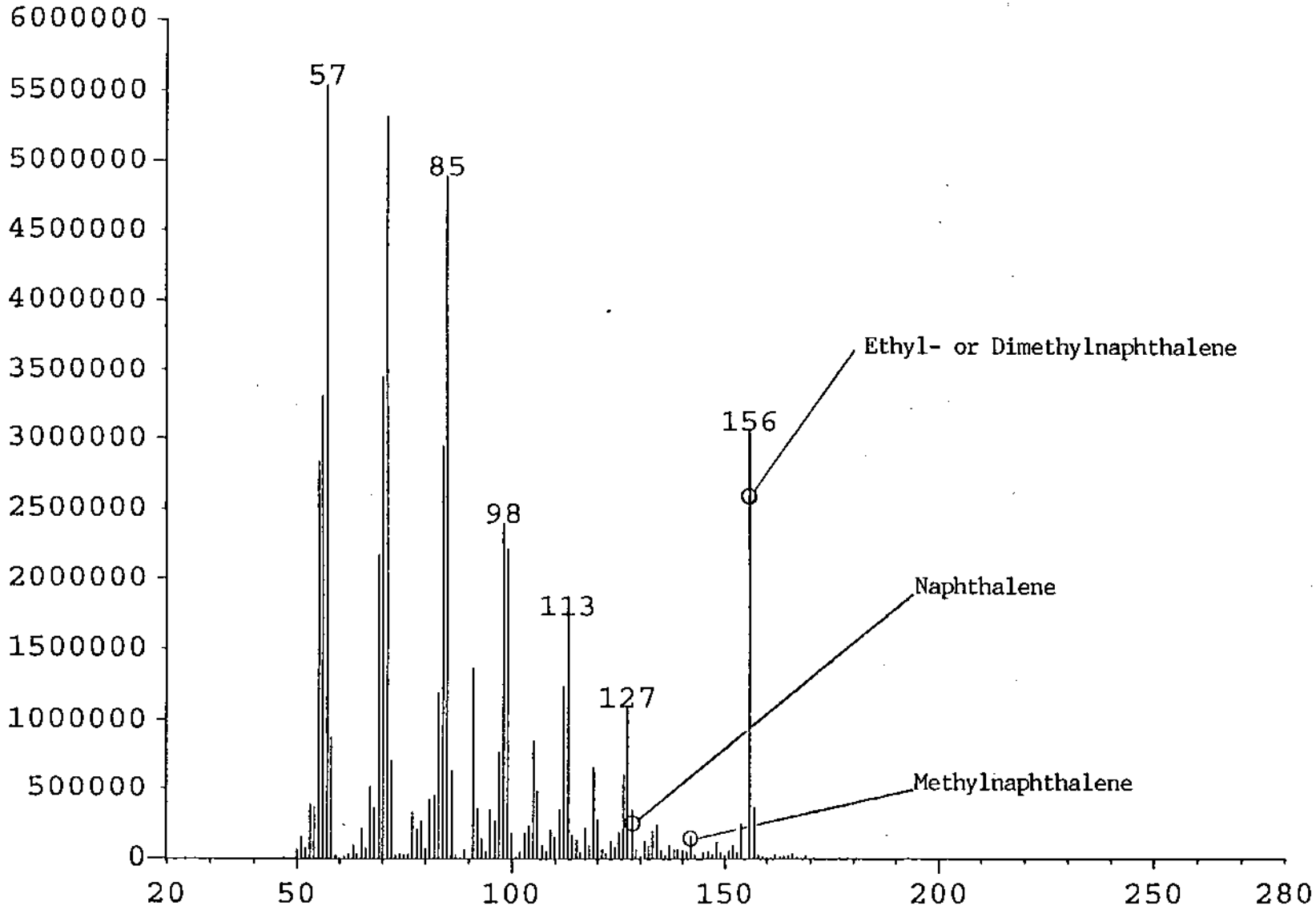

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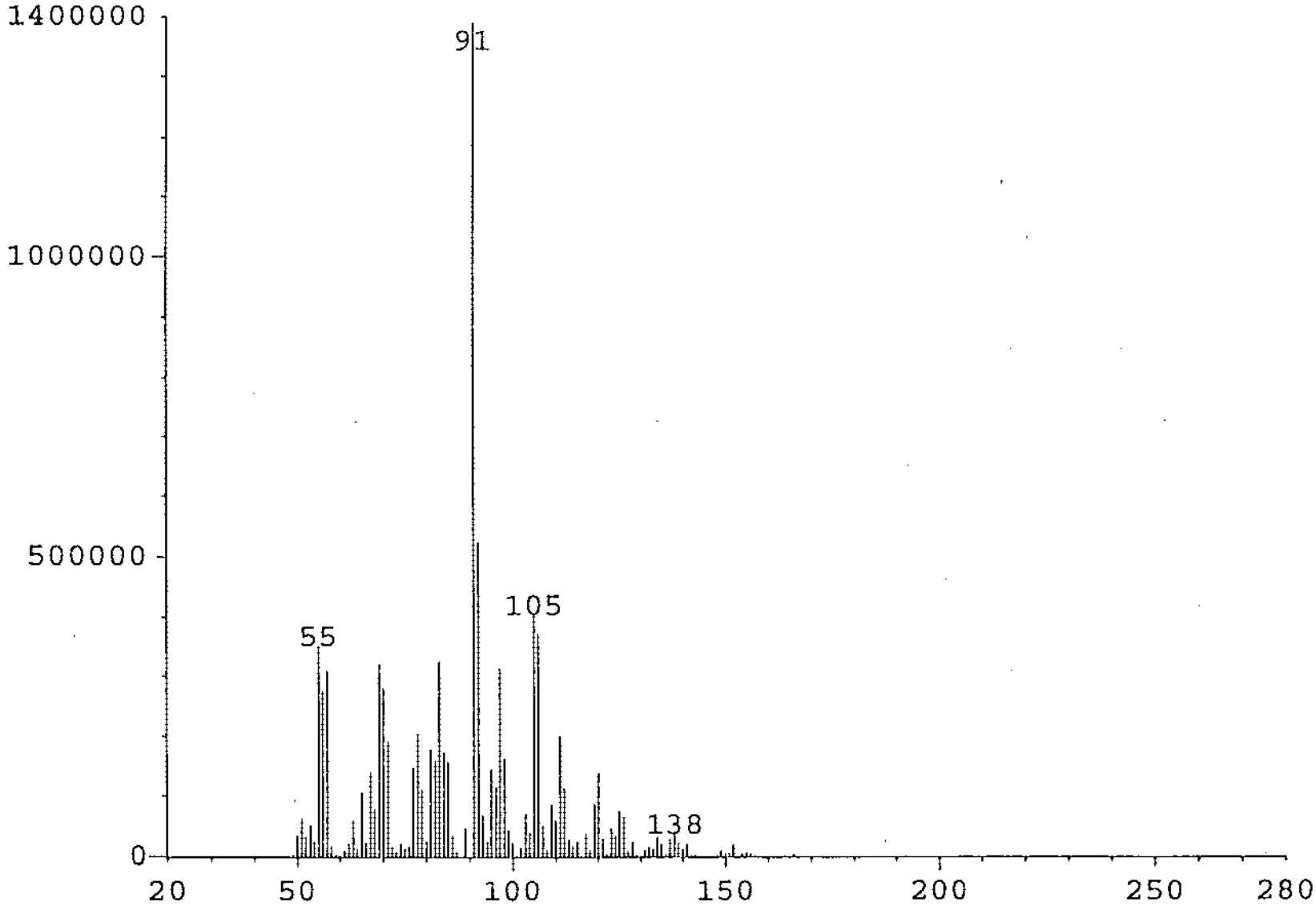

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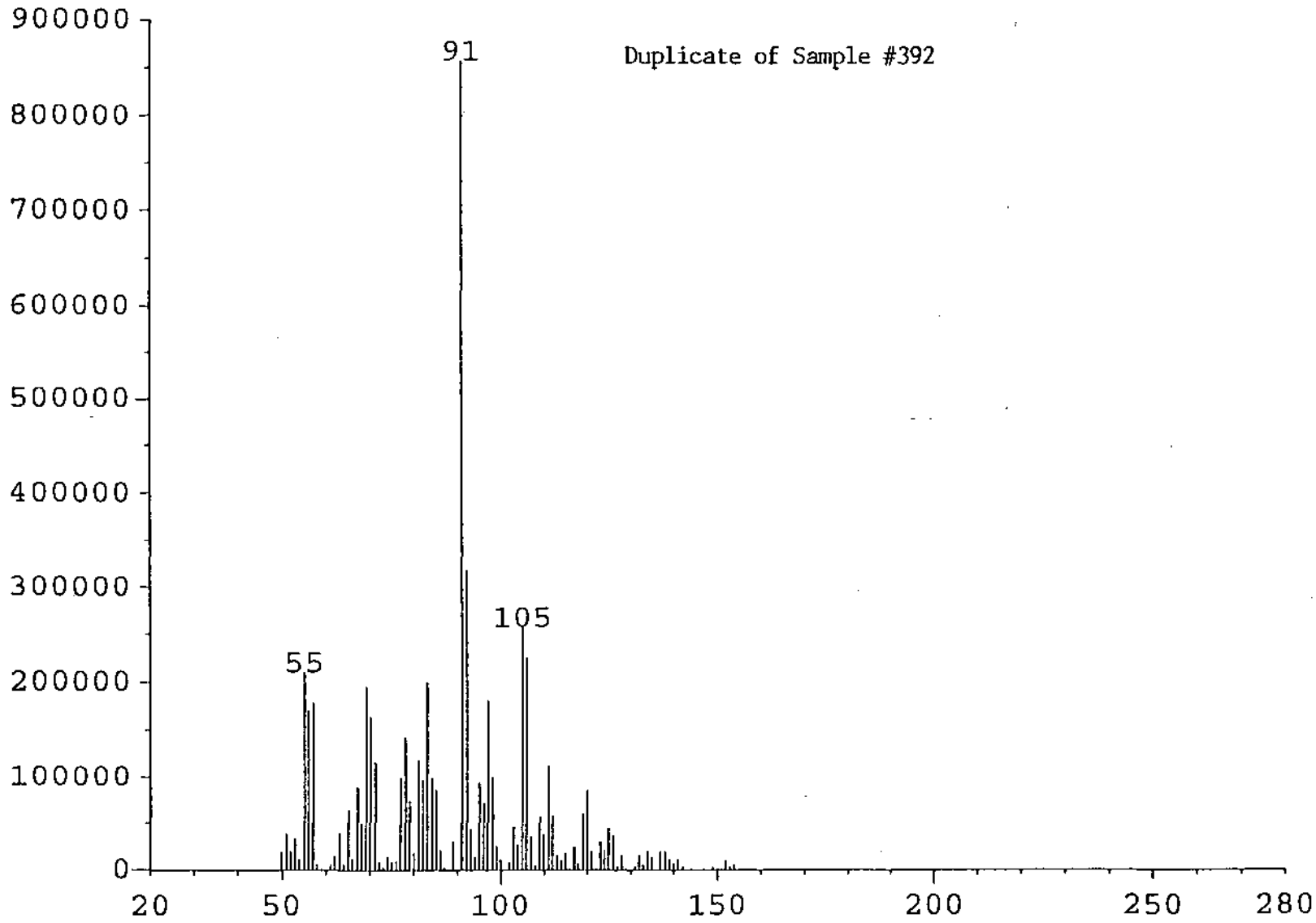

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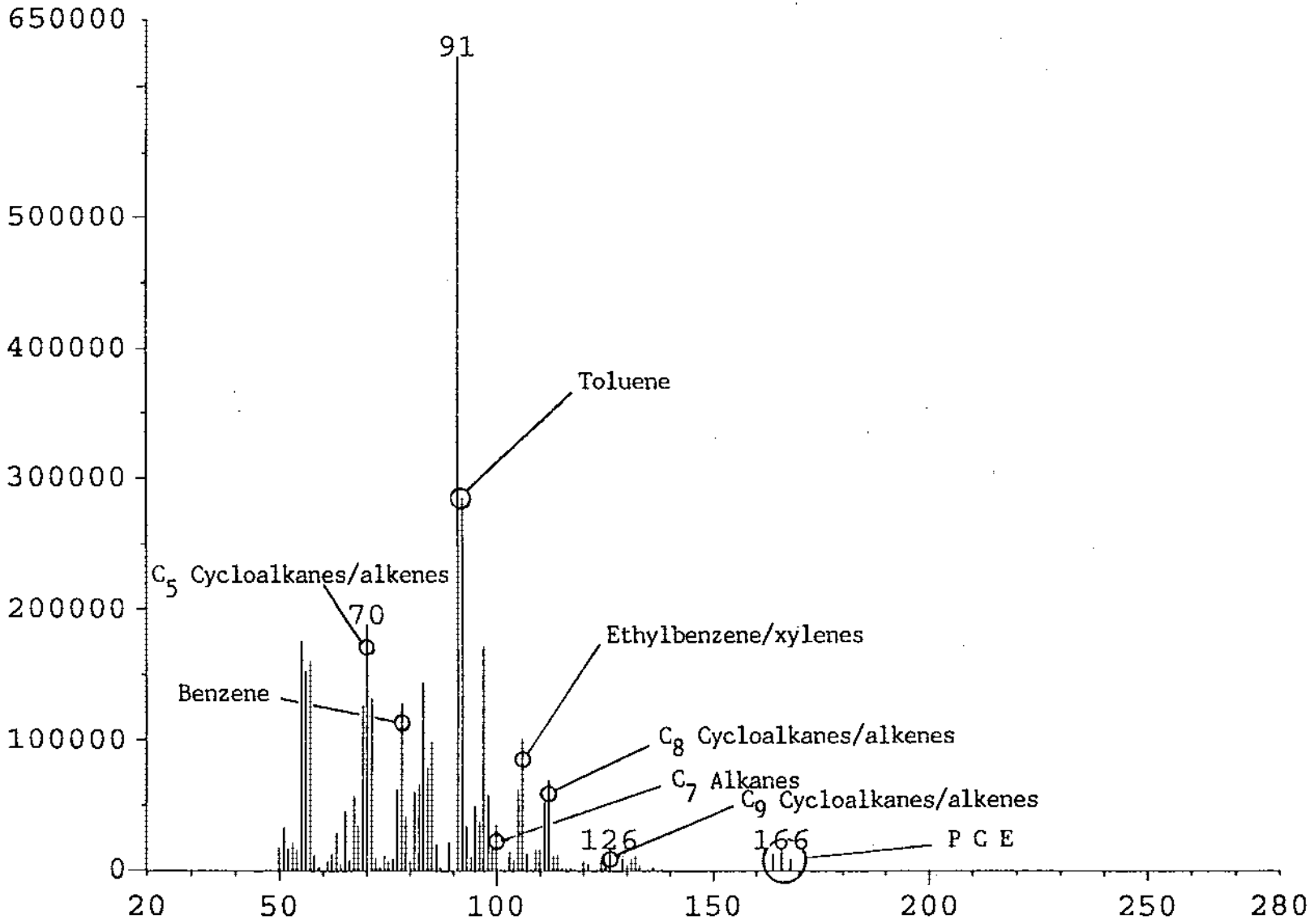

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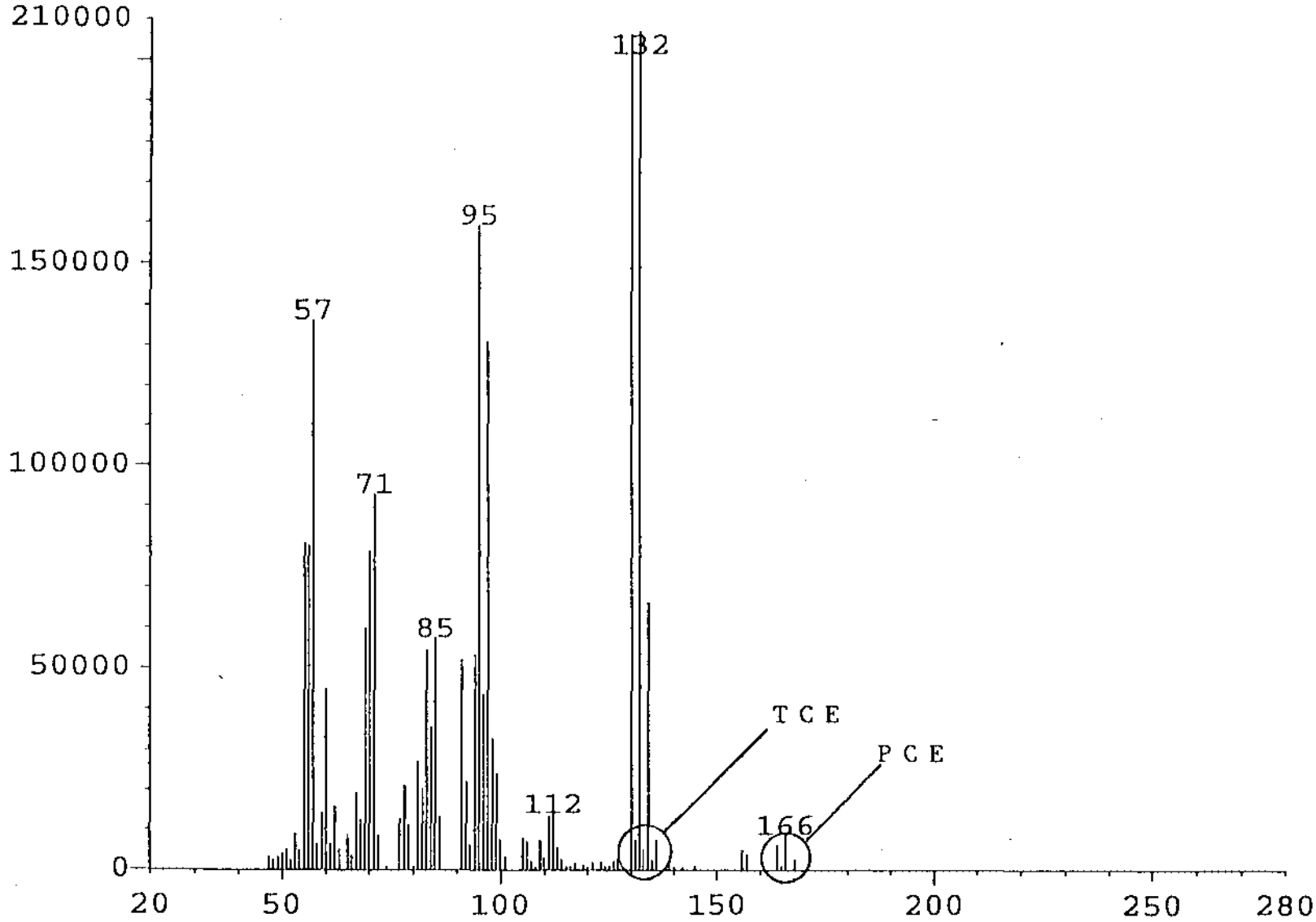

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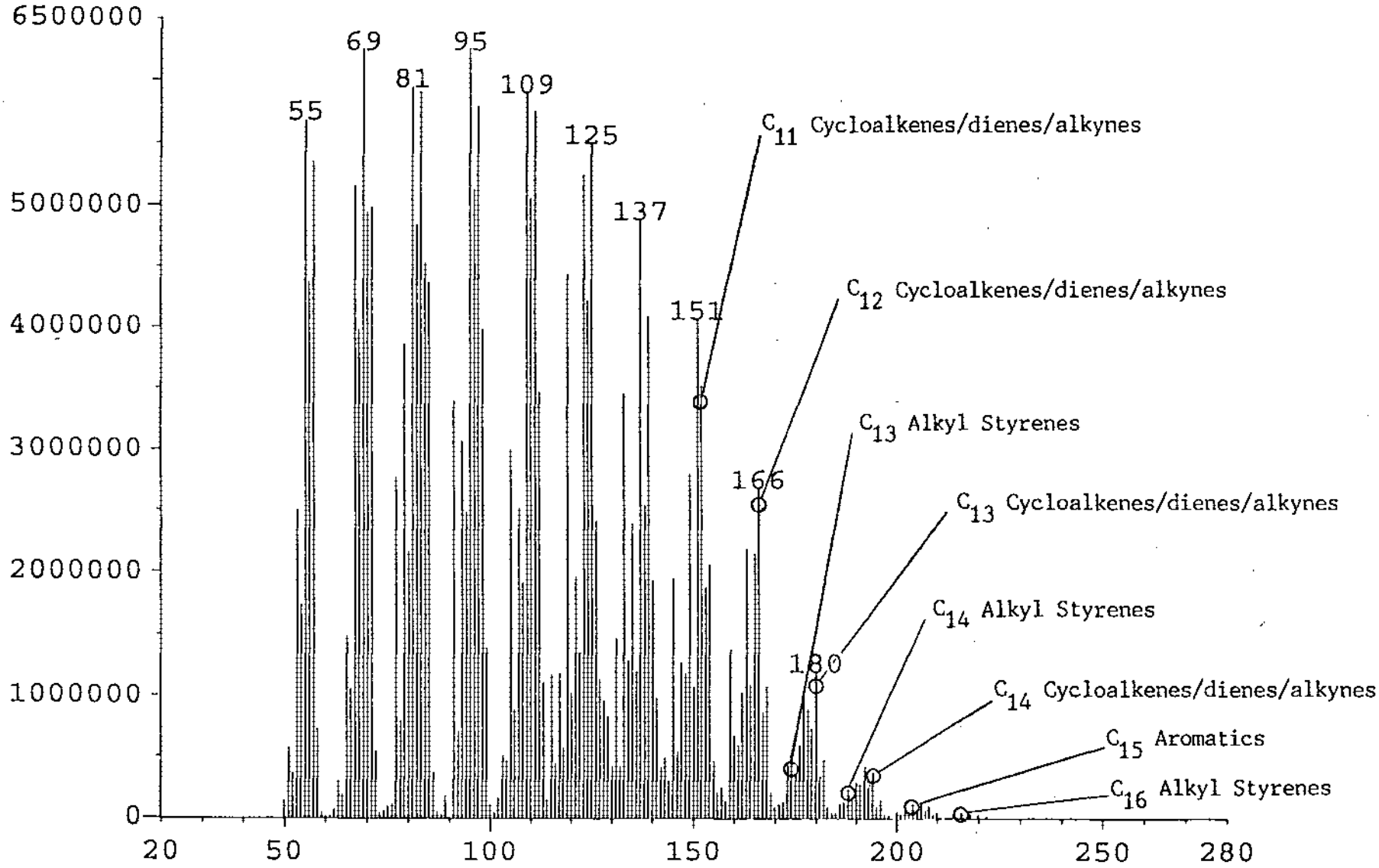

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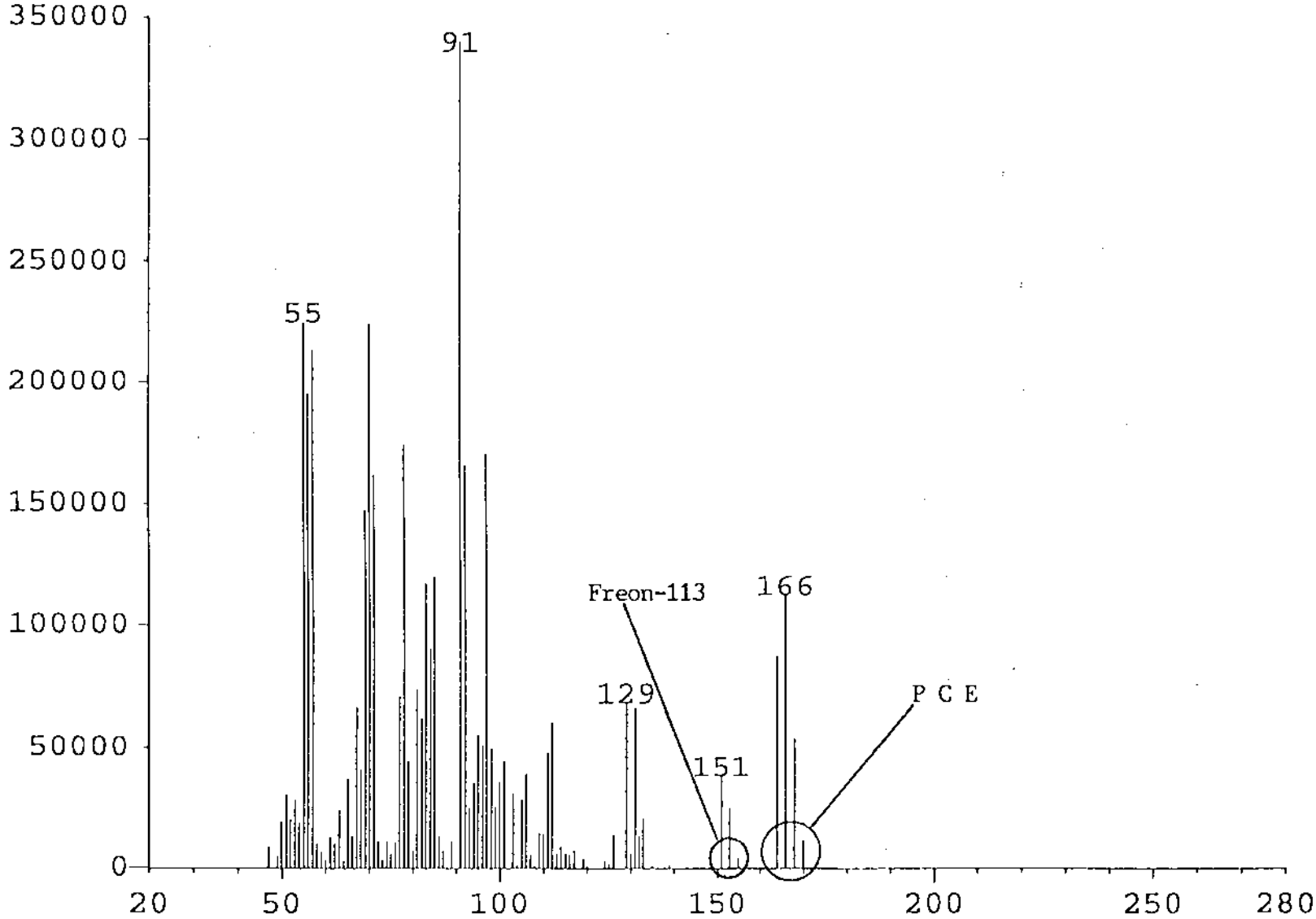

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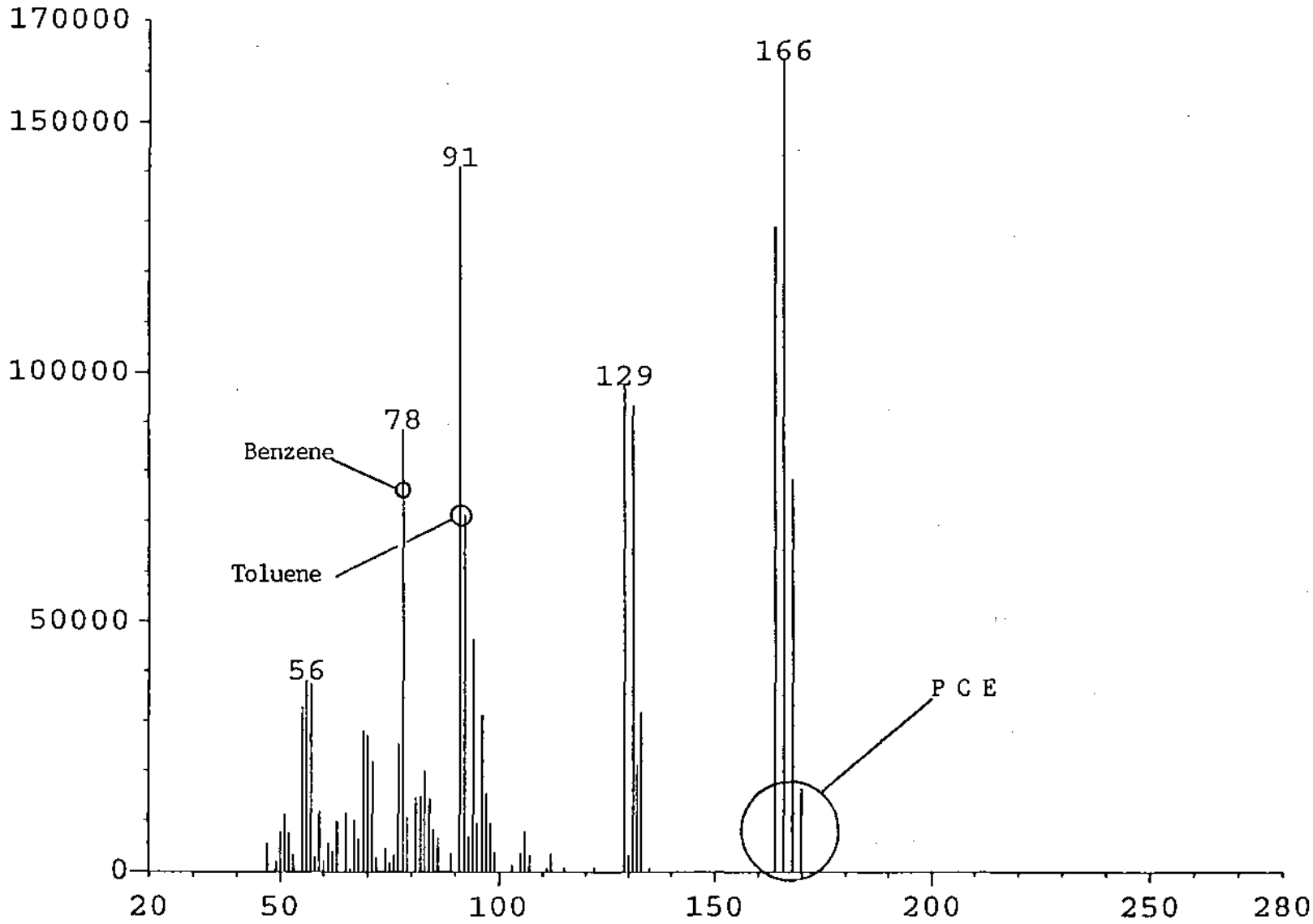

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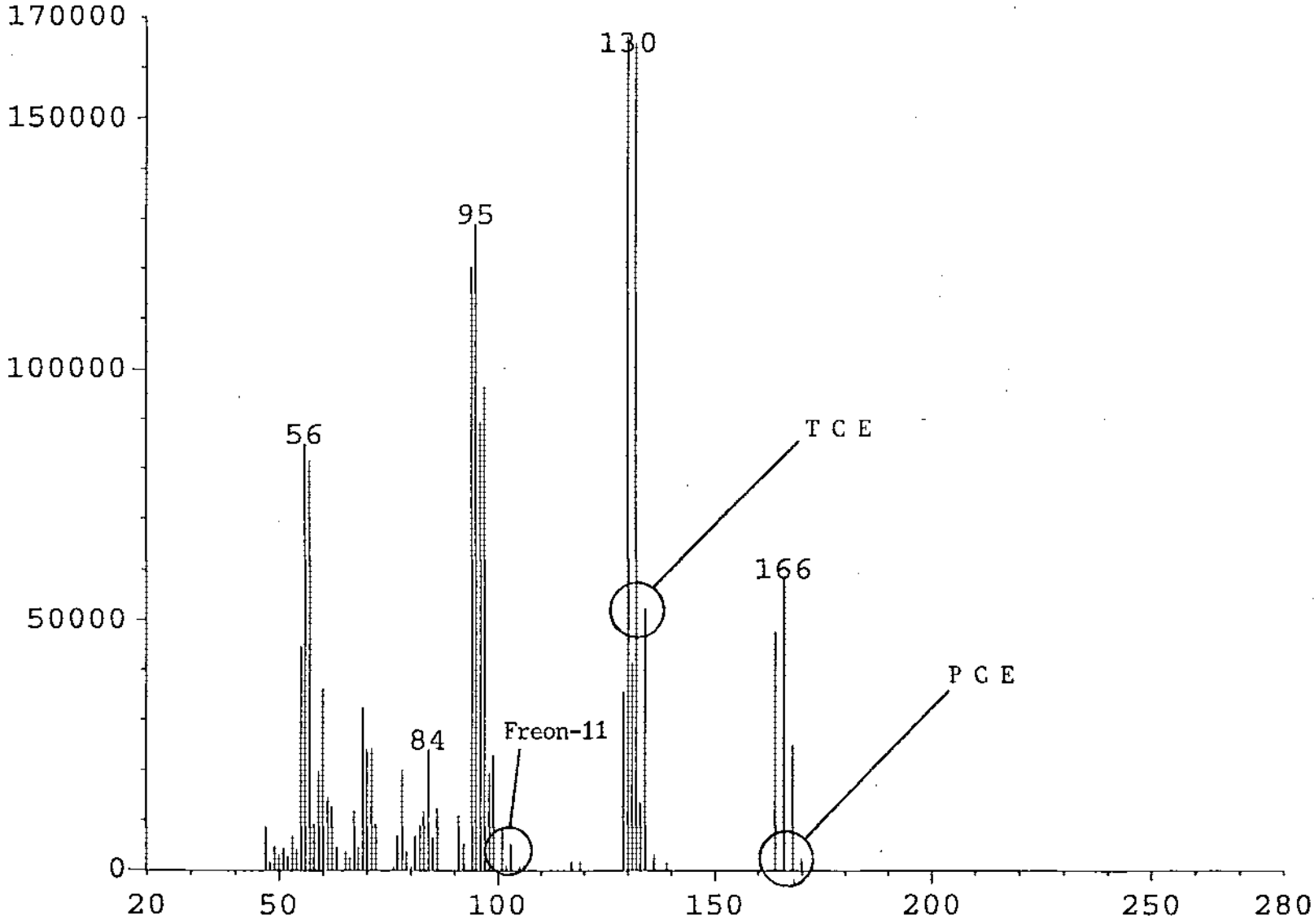

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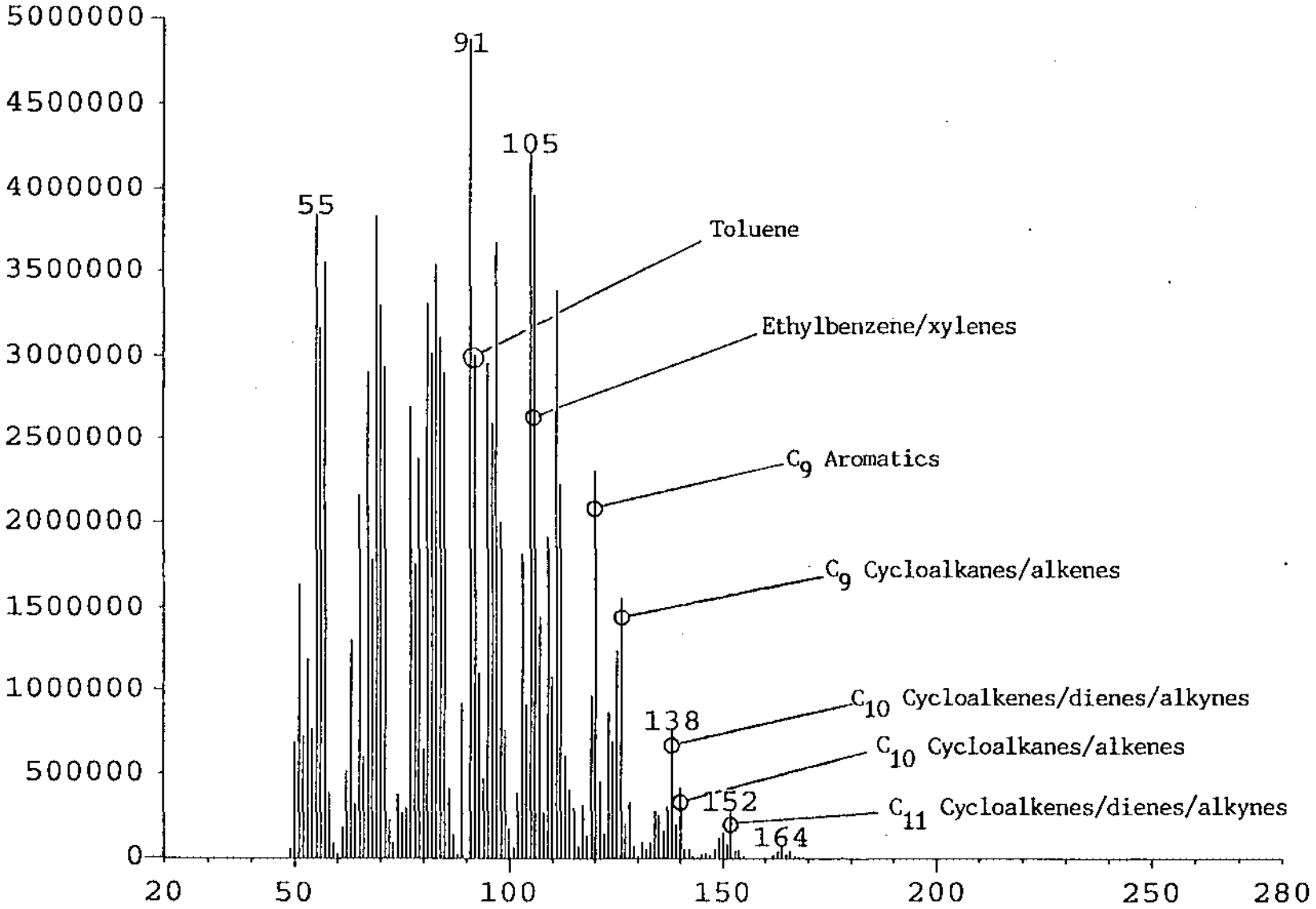

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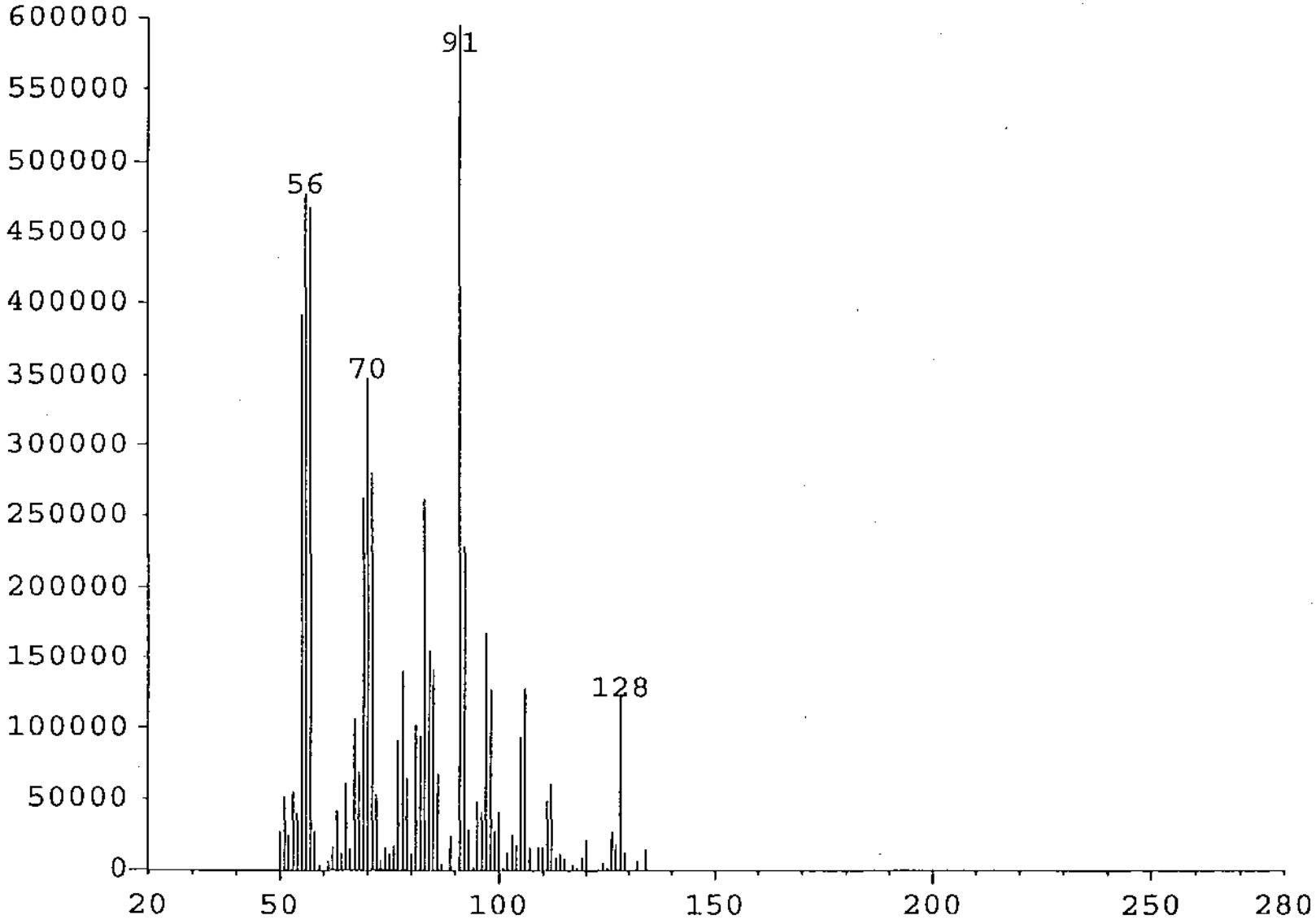

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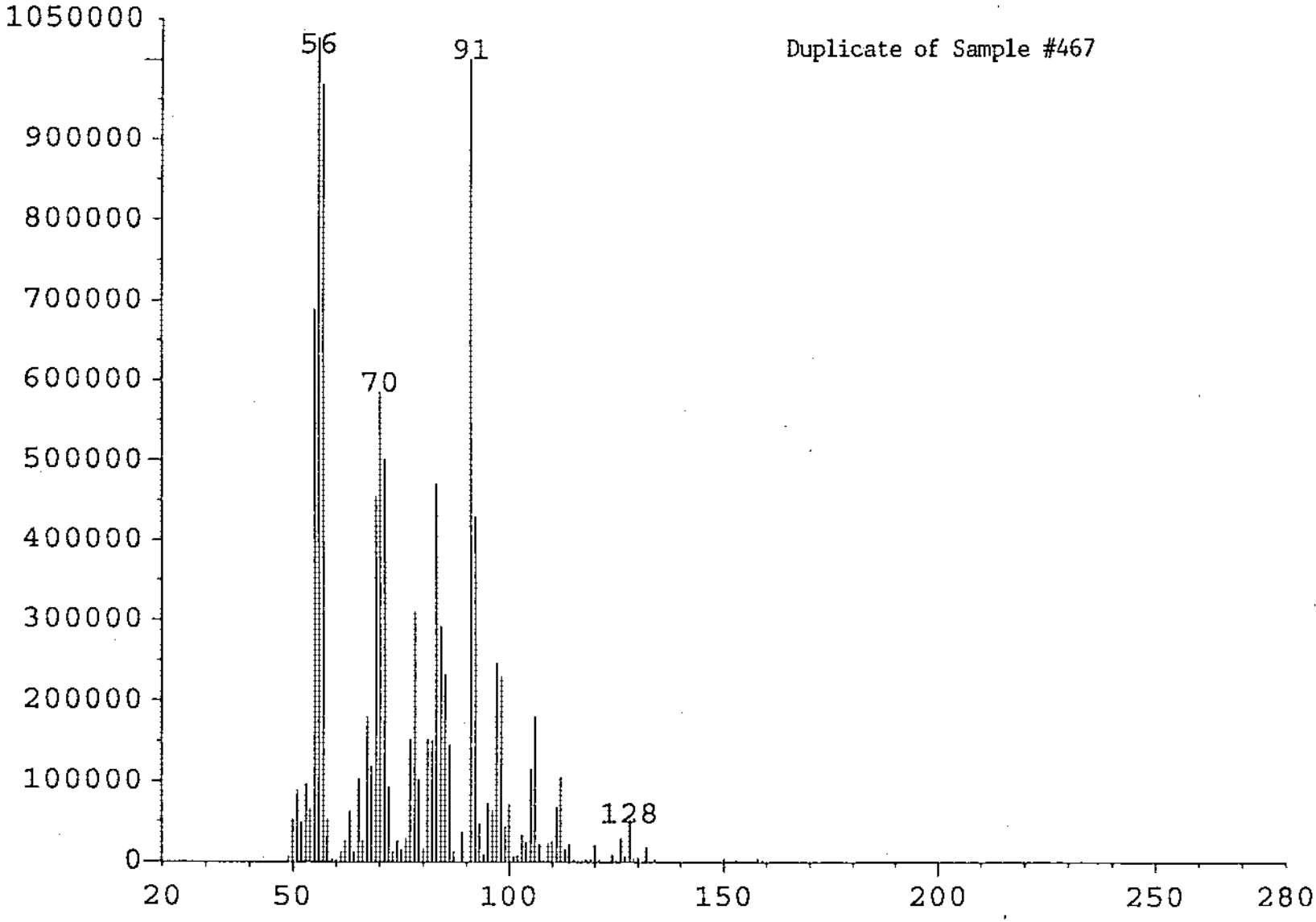

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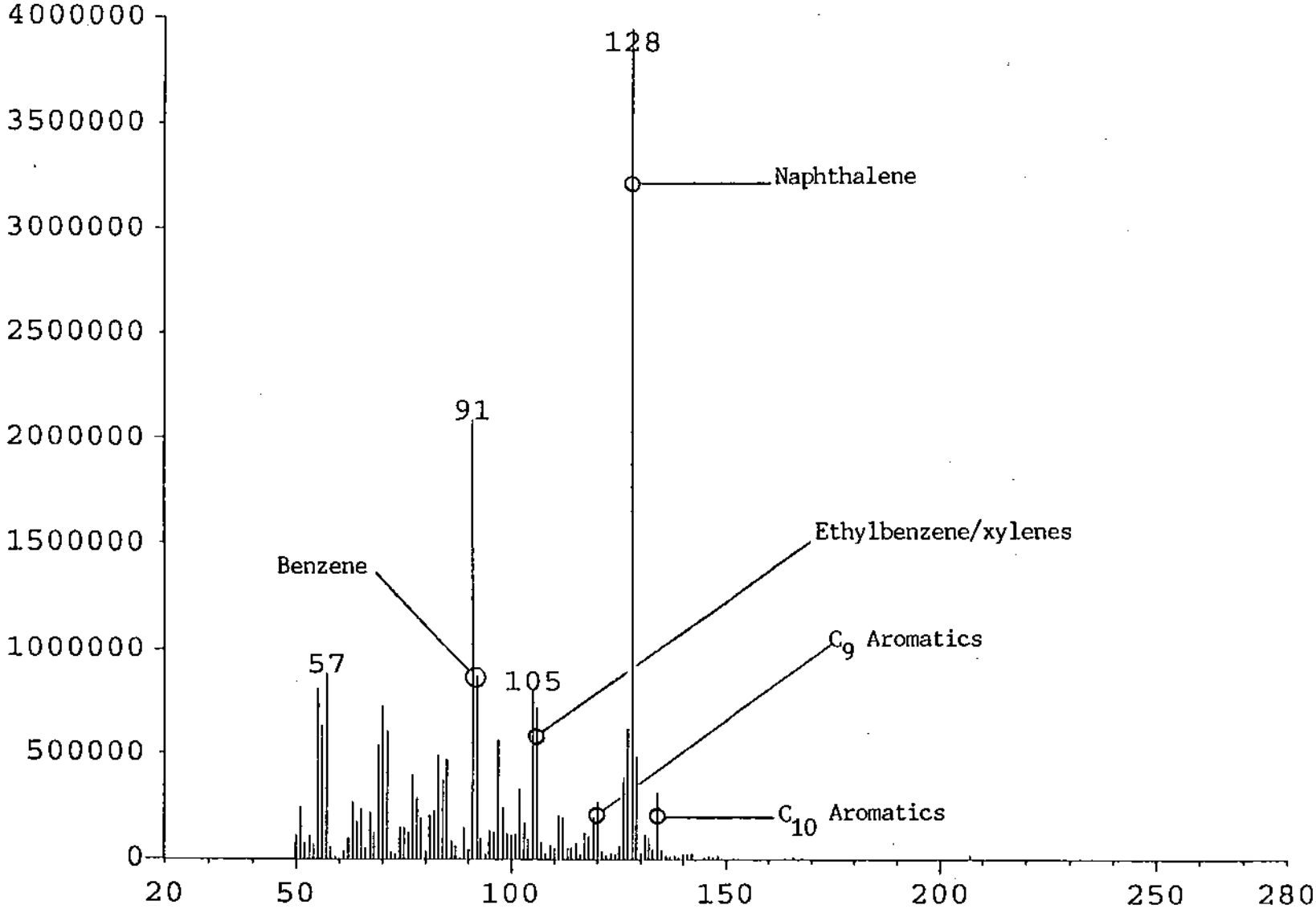

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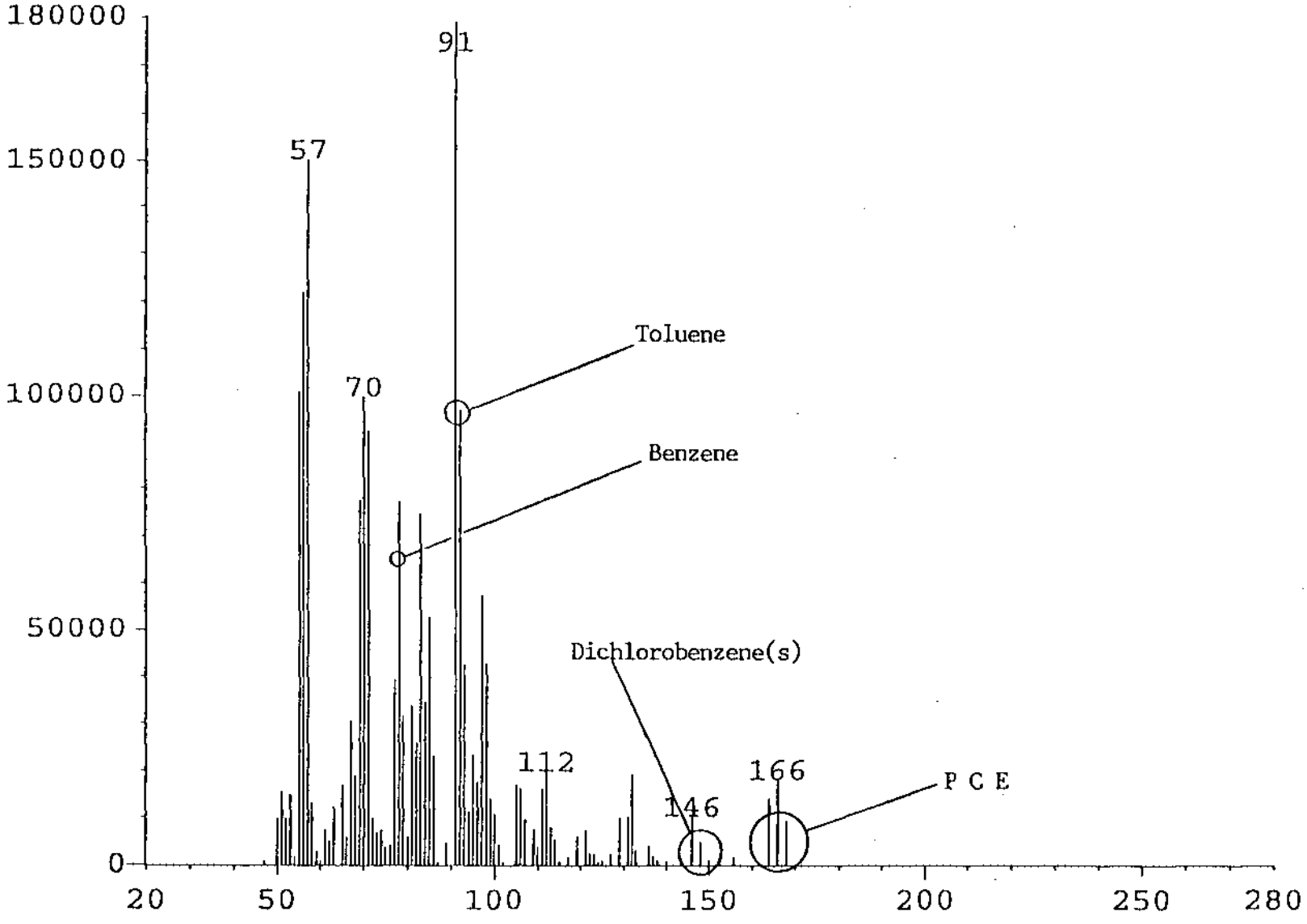
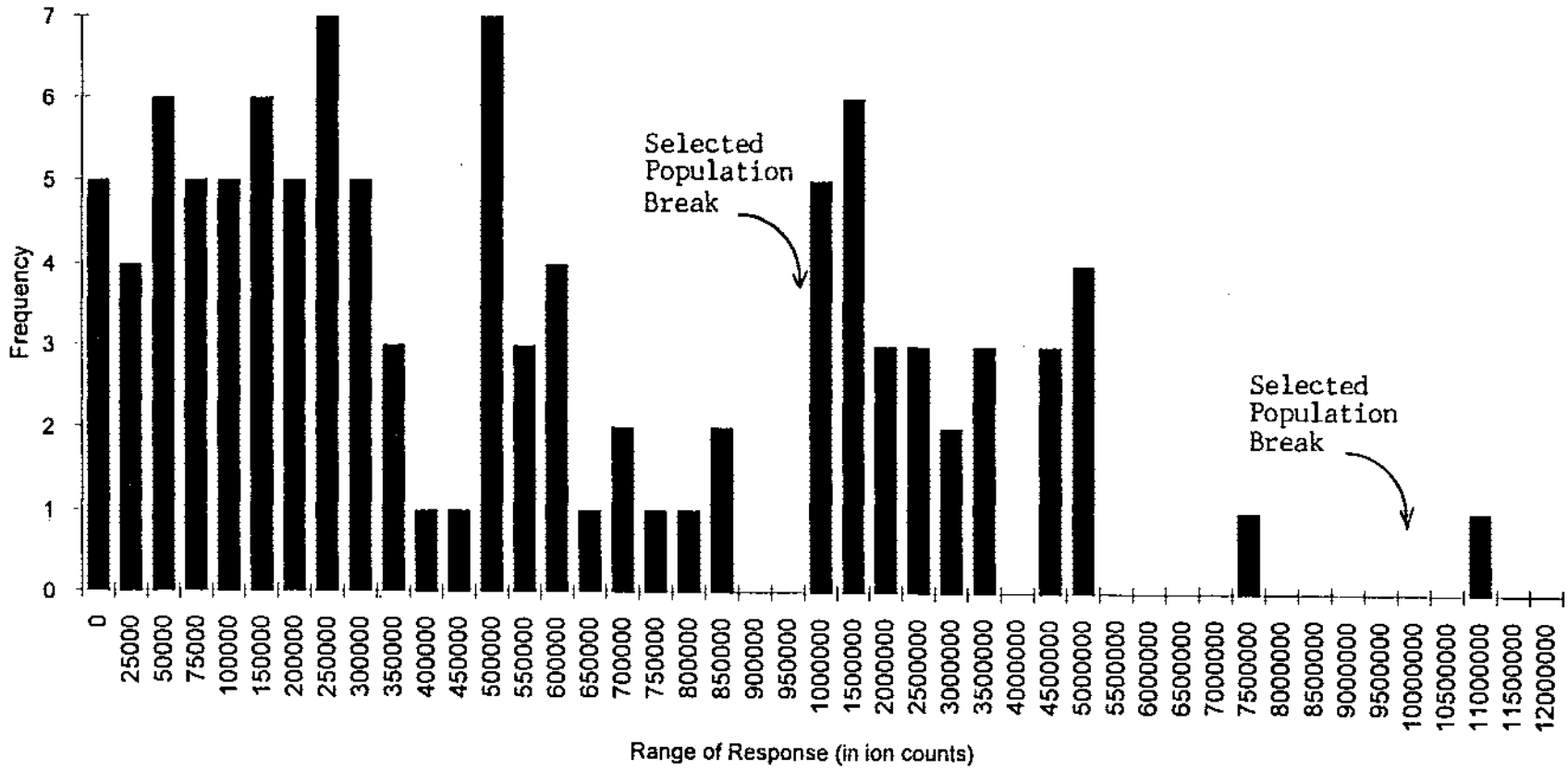
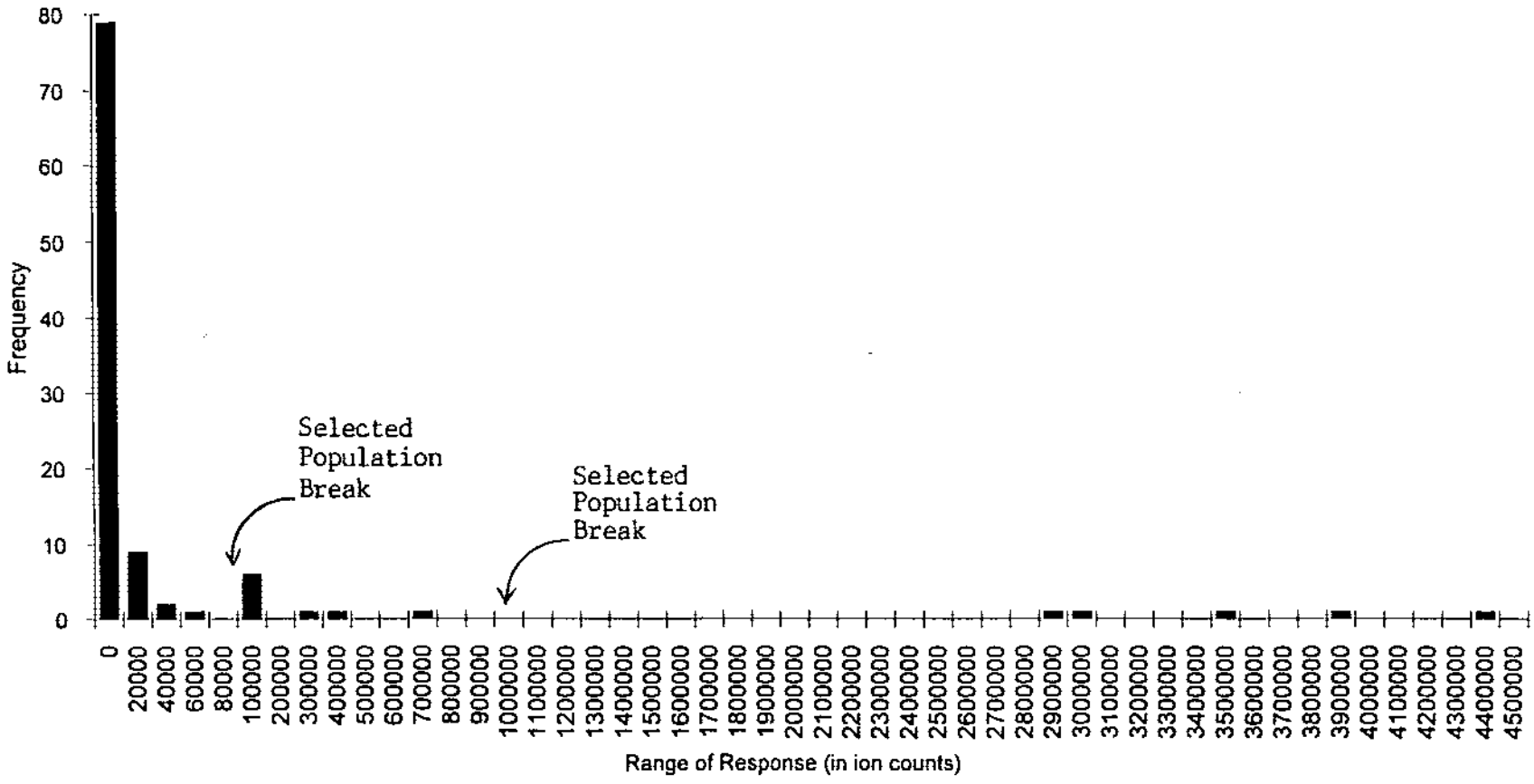


APPENDIX D
HISTOGRAMS OF DATA SETS

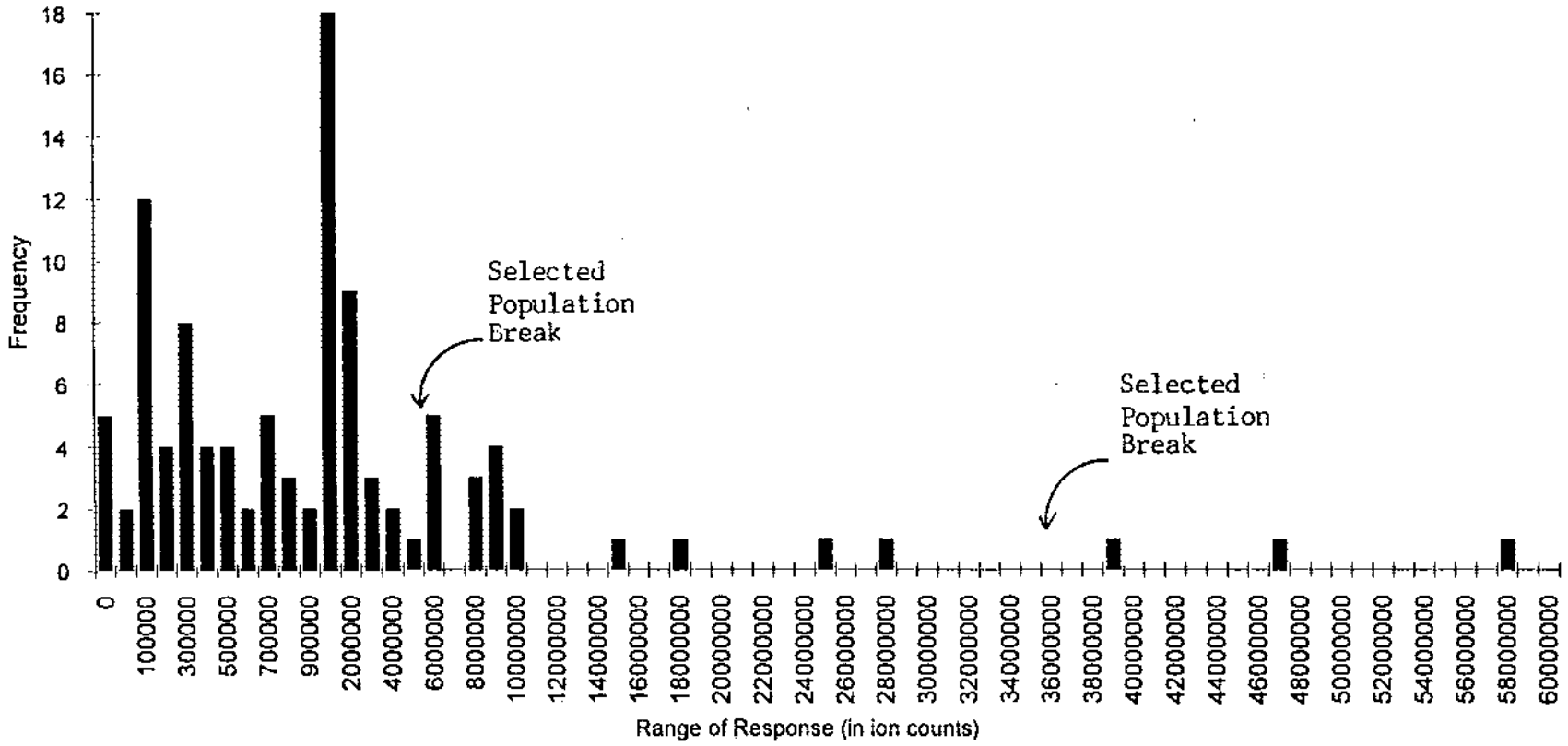
Histogram of Response to Total Aromatic Hydrocarbons



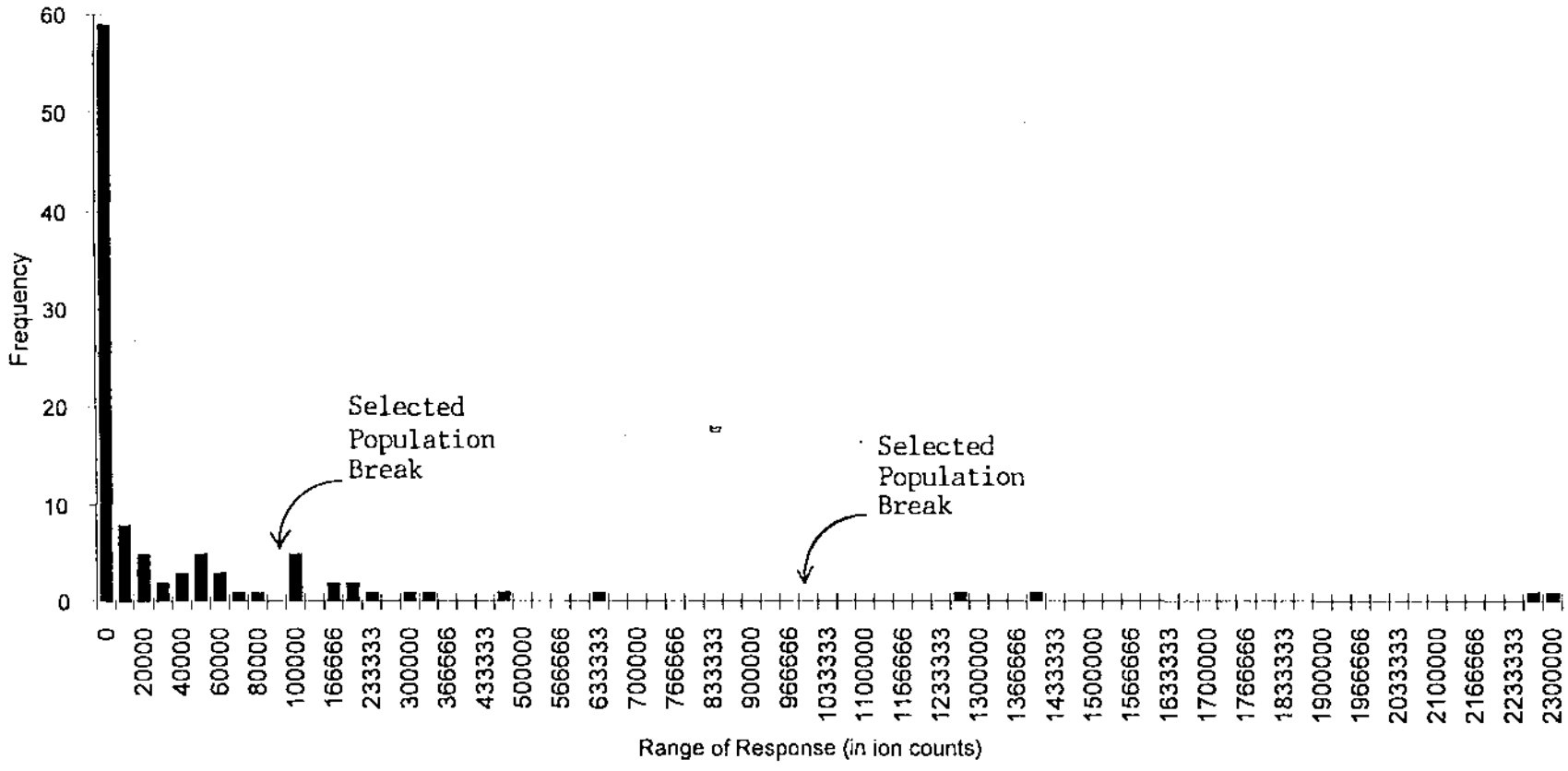
Histogram of Response to Total Semivolatile Hydrocarbons



Histogram of Response to Total C5 to C11 Petroleum Hydrocarbons



Histogram of Response to Total Halogenated Hydrocarbons



APPENDIX E
SAMPLE SUBMITTAL & CHAIN OF CUSTODY FORMS

PETREX ENVIRONMENTAL SURVEY
Chain of Custody Document

Job Number 2114C (Please refer to this job number with all correspondence and shipments)

FIELD DATA:
•Facility Mound Plant
•Location Miamisburg, Ohio Area 3

•Field Manager John Davis Joletta Humpert Phone 429-2699

PYMS LAB DATA:

Instrument
Operator
Phone
Sample Nos.

GC/MS LAB DATA:

SAMPLE DATA:

•Number of Samples
•Date Shipped to Field July-Aug. 1994
•Date Received in Field Aug 1994
Condition as Recd. in Field Good
•Received By J. Humpert
•Date Shipped from Field 9/1/94
Date Received from Field
Conditions as Recd. in Lab Good

Number Received 98
Received By RSL

SAMPLE TRANSFER DATA:

	Relinquished By:	Relinquished To:	Date:	Time:	Reason:
•1.	Joletta Humpert	NERI	9/1/94	1300	Analysis
2.	RSL	Lab	9-2-94		analysis
3.					
4.					
5.					
6.					

* Notes: H9/#453 - wires mangled on retrieval - shipped for analysis anyways.
Area 3 O10/#396 - tube lost in concrete slab; unable to retrieve.
Area 3 G14/#463 - tube broken on retrieval; wires lost in gravel and soil.
Area 3 C13/#459 - location under crates - unable to locate tube.
Area 3 I11/#451 - tube broke - wires lost in gravel.
Area 3 J14/#466 - tube lost in/under large riprap - unable to locate.
Area 3 H15/#416 - [illegible]

NERI

AOC-3 Sample Submittal Form

Project Number: 2114-6 Project Manager: PCB

Date Samples Received : 8/2/04 Date(s) Samples Analyzed : 10/1 - 10/2/04

Number of Tubes Submitted: 112

Number of Calibration Samples : 11 + 10 TRUE

List: 364, 1364 / 380, 1380 / 400, 1400 / 405, 1405 / 423, 1423
433, 1433 / 440, 1440 / 444, 1444 / 461, 1461 / 473, 1473 / 883, 1883
383, 2383 / 392, 2392 / 404, 2404 / 418, 2418 / 430, 2430
435, 2435 / 441, 2441 / 456, 2456 / 467, 2467 / 476, 2476

Number of Travel Blanks : 4

List: 886 FROM BAGS #14-15, 887 BAGS #16-17, 888 BAGS #19-20, 889 BAGS 25-27

Greatest Sample Number: 885

Total Number of Missing Samples: 414

List: 371 → 380, 396, 451, 459, 463, 466, 468, 479 → 531, 535 → 879

Number of Other Samples Analyzed : 14 QCY's

Total Number of Samples Analyzed : 144

Information Received (Maps, Notes, Etc.) : MAP, CHAIN OF CUSTODY

Sample Preparation and Analysis : NOTE: SAMPLES # 365 AND # 453 SHOW DAMAGE; DO NOT ANALYZE.
NOTE: SAMPLES # 434 HAS NO LINER; DO NOT ANALYZE. NOTE: MINOR FRACTURE OF SAMPLES # 395 TUBE; DISCARD

NERI, LLC.
605 Parfet St. Suite 100
Lakewood, CO. 80215
(303) 238-0090

SAM_SUBM.XLS

Prepared 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: October 6, 1994 File Name: 2114-6_1.dwg	AOC-3/Operable Unit-5 USDOE Mound Facility Miamisburg, Ohio PETREX FINGERPRINT TECHNOLOGY®	LEGEND Features: + PETREX Sample Location

Sample Locations

Plate 1

Prepared by:	Drawn By:	Project #:	AOC-3/Operable Unit-5	LEGEND		Relative Response
Northeast Research Institute LLC 605 Parfet Street Suite 100 Lakewood, Colorado 80215 (303) 238-0090	JCS	2114E	USDOE Mound Facility Miamisburg, Ohio	Relative Response Values: ≥ 10,000,000 1,000,000 – 9,999,999	Features: + PETREX Sample Location	Total Aromatic Hydrocarbons
	Checked By:	Date: October 6, 1994				
	Project Manager: PCB	File Name: 2114-6_2.dwg	PETREX FINGERPRINT TECHNOLOGY®			Plate 2

Prepared by:	Drawn By:	Project #:	AOC-3/Operable Unit-5	LEGEND	Relative Response
Northeast Research Institute LLC 605 Parfet Street Suite 100 Lakewood, Colorado 80215 (303) 238-0090	JCS	2114E	USDOE Mound Facility Miamisburg, Ohio	Relative Response Values: ≥ 1,000,000 100,000 – 999,999	Total Semivolatile Hydrocarbons
	Checked By:	Date: October 6, 1994		Features: + PETREX Sample Location ND Not Detected	
	Project Manager: PCB	File Name: 2114-6_3.dwg	PETREX FINGERPRINT TECHNOLOGY®		Plate 3

Prepared 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: October 6, 1994 File Name: 2114-6_4.dwg	AOC-3/Operable Unit-5 USDOE Mound Facility Miamisburg, Ohio PETREX FINGERPRINT TECHNOLOGY®	LEGEND Relative Response Values: ≥ 35,000,000 6,000,000 – 34,999,999 Features: + PETREX Sample Location

Relative Response

Total C5-C11 Petroleum Hydrocarbons

Plate 4

Prepared by: Northeast Research Institute LLC, 605 Parfet Street, Suite 100, Lakewood, Colorado 80215, (303) 238-0090	Drawn By: JCS	Project #: 2114E	AOC-3/Operable Unit-5	LEGEND	Relative Response
	Checked By:	Date: October 6, 1994	USDOE Mound Facility, Miamisburg, Ohio	Relative Response Values: ≥ 1,000,000; 100,000 – 999,999	Total Halogenated Hydrocarbons
	Project Manager: PCB	File Name: 2114-6_5.dwg	PETREX FINGERPRINT TECHNOLOGY®	Features: + PETREX Sample Location; ND Not Detected; H Petroleum hydrocarbon interference; see text.	Plate 5