Part 1 of 4

EG&G MOUND-25-02-10-01--9509210017

Environmental Restoration Program

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

MOUND PLANT
MIAMISBURG, OHIO

VOLUME II - APPENDICES A-E

June 1995

Final (Revision 1)

U.S. Department of Energy
Ohio Field Office

EG&G Mound Applied Technologies

APPENDIX A

FIELD LOGBOOKS

A.1 SITE MANAGER LOGBOOK
A.2 FIDLER LOGBOOK
A.3 SOIL GAS LOGBOOK
A.4 GEOPHYSICAL LOGBOOK
PLATE 1: Mound Plant OU5 Phase 1 RI/FS Operational Area, Locations of Areas of Concern

A.1 SITE MANAGER LOGBOOK

EG & G MOUND

OU5

SITE MANAGER LOGBOOK

OPS AREA PHASE I

NEW PROP EXTND PHASE

Russ Tussings 4800 1400

SITE MANAGER LOG BOOK

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

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

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

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

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

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

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

PROCEDURES: *SOP 1.1*

START DATE: 5/11/94
END DATE:

TABLE OF CONTENTS SITE MANAGER LOGBOOK

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

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

TABLE OF CONTENTS — SITE MANAGER LOGBOOK

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

PAGE	FIELD LOG		PAGE	FIELD LOG	
61	TASK TEAM ACTIV. SHEET	7/8/94	91	TASK TEAM ACTIVITY SHEET	8/2/94
62	"	7/11/94	92	"	8/3/94
63	"	"	93	"	8/4/94
64	"	7/12/94	94	"	8/8/94
65	"	7/13/94	95	"	8/9/94
66	"	"	96	"	8/10/94
67	"	7/14/94	97	"	8/11/94
68	"	"	98	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		
88	"	7/27/94	118		
89	"	7/28/94	119		
90	"	8/1/94	120		

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

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TABLE OF CONTENTS SITE MANAGER LOGBOOK

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

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TABLE OF CONTENTS — SITE MANAGER LOGBOOK

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

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

TABLE OF CONTENTS SITE MANAGER LOGBOOK

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

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TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P-1

PROJECT NAME: EG&G MOUND OUS 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	SHAW, WEISS, DENNIPLES
ERIC SAYLOR	SAIC	ART TURPIN	
EVELYN MENGHER	SAIC	JEFF KUNKA	
		JOHN HALEY	

Narrative (include time and location):

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

0800 Begin briefing

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

1200 Break for lunch.

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

1700 Last entry

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

P.M. cloudy, windy, 65°F

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBO

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)	ALT TURPIN	(SWD)
EVELYN MEALHER	(SMC)	JEFF KUNKA	(SWD)

Narrative (include time and location):

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

CAM 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 I TASK NO: 34896

Date (mm/dd/yy): 5/16/94 MON TIME: 07 00 PAGE 1 OF 1

Task Team Members:

JOHN DAVIS	(SMC)	BERNARD KIENOW	(SWD)
ERIC SMYLOR	↓	ANT TURPIN	↓
EVELYN WEATHER		JEFF LUNKA	

Narrative (include time and location):

on site @ 0700. Prep equip. Conduct Tailgate mtg. 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 rt angles.

NOTE: JD prepared forms, drop off 7 wk look ahead to J 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 #4

PROJECT NAME: EG&G MOUND OUS 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. Uisler on site. She doesn't want us working N. of Area J in D&D zone until she talks w/ HP. Discuss work plan. Will continue cutting 16W line.

0800 @ site.

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

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

1200 Break for lunch

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

NOTE: JD offsite @ 1630

1800 Back to trl (ES, SM). EOD

LAST ENTRY

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

P.M. Sunny, warming to 60°F

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK — PS

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

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

Task Team Members:

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

Narrative (include time and location):

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

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE II — 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 SAYLOR	↓	ART TURPIN	↓
EVELYN MEACHER		JEFF KUNKA	

Narrative (include time and location):

0700 @ site. (T/R). Load truck w/supplies

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

Note: @ 0900 JD leaves site to attend New Prop. Extended Pharm 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 hwy vegetation and lack of deep soil on surface. Fidler readings 10-15K above background in bunker area. KM suggests that to properly define boundary, it 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 6N. Contact Tim Pedeo and put Shannon Eichenmeyer on Access List, Orientation for Monday.

Last Entry

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

P.M. Some Clouds 60°F

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK P7

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

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

Task Team Members:

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

Narrative (include time and location):

0700 @ trailer. Prep equipment.

0730 give orientation to SK, BR, CH. Do Tailgate Safety meeting. Arrange crews; BR & CH working on lines 2N-7N; EM, SK w/ surveyors in Area 22. JD calls HP & arranges for HP coverage in A22. K. McMahan 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 off site @ 0830.

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 LOGBOOK P-8

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

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

Task Team Members:

John Davis	SAIC	Brad Richardson	SAIC
Evelyn Meagher Hartzell	↓	Chris Holley	↓
Sharon Kriedemeyer	↓	Bernard Kiesow	SWD
		Art Torpin	↓
		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

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 HALFEY		BERNARD KICNOW	SWD
		ART TURPIN	
		JEFF KUNICA	↓

Narrative (include time and location):

0700 at the Prep for days activities. Tune status. Conduct safety mtg.

0730 Surveyors to Bldg 49 to meet Security; JD left message w/ Russ Tusing yesterday for escorts. EM & SK to A22 to cut lines; JD, BR, CH to AJ to stake cut lines. NOTE: J. Geisler at the. Discuss intrusive permitting in Ops Area. JD gives JG Activity sched. JG will permit in "blocks", prob. starting in SE corner and permitting 400x400' blocks. JG says she's getting swamped. JD asked to stake KG borings at 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-6-13 thru J-G-9; Cut lines down hillside on west side of Area J. (along 13, 12, 11, 10, 9, 8, 7 and part of 6 where I encountered alot of poison ivy. For the surveyors we chop 21-A-4 thru 21-A-1; Also chopped 13-A-3 thru 13-A-6.

Daily Weather Conditions: A.M. Overcast, Muggy, 75°F

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

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

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

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

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

Task Team Members:

Brad Richardson — Sharon Kriletemeyer

Chris Holley

Evelyn Meagher-Hatzell

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 Ray + 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 ch~~ 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

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 MEACHER

BRAD RICHARDSON — SHARON KREITMEYER

CHRIS HALLEY

Narrative (include time and location):

0700 at HR. Surveyors not here today. Conduct Tailgate Briefing. Assign work; BR & CH to A22, EM, SM to A22 JD to town to pick up chain 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 @ Data 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 (1500).

1500 Sharon & Evelyn staked in Area J.

1600 Evelyn left site to ~~stop~~ 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. Marman 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

R.J.C.

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 — Evelyn Meagher-Hartzell
Chris Halley — Sharon Krietemeyer
John Davis

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; Surveyor 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 [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: S4696A

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

Task Team Members:

N/A

Narrative (include time and location):

1130 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 ~~KEH~~ HBR 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

PROJECT NAME: EG&G MOUND 005 OPERATIONAL AREA PHASE I — TASK NO: 94896

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

Task Team Members:

JOHN DAVIS	SAIC	SHARON KEILHOLTZER	SAIC
CHRIS HALLEY	↓	BERNARD KLENOW	SWD
EVELYN MEACHER	↓	ANT 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 Bowser-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 meet 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 @ the for lunch

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

NOTE: Surveyors done work: Offsite @ approx 1030A.

1700 All back @ trailer to clean up. Offsite @ 1730.

LAST ENTRY

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

P.M. Sunny, warming to 70's

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU-2 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 @ HE. Prep equip. for day. Conduct Tailgate Mtg. J. Geisler on site; discuss util. clearances; Rod will start permitting today in SE corner. For Monthly Safety Report: CH's cut finger is not OSHA reportable.

0830 - 0930: JD takes Tim Boehnen to A7 to look @ borehole locs. All look OK if hole in HP area is on Road. Then to New Property. TB walk to scrape rd for Bowen 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 EM slipped on steep hill. 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 on her cornea but ~~had not~~ 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

PROJECT NAME: EG&G MOUND OUS 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 SK - EM + SK ~~returned~~ SK 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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE 1 — TASK NO: 04886

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

Task Team Members:

JOHN DAVIS — CLARIS HALLEY

SHARON KRIETEMEYER

BRAD RICHARDSON

Narrative (include time and location):

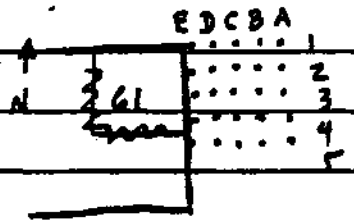
0700 @ t/r. Conduct H&S Mtg. Work assignments; SK, BR, & CH will all work together. Finish stake AJ, then to 3/SDB.

- 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 Trask & Alan Spearand

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

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



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

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

P.M. same

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: FEZZIGMOUNDPOUS OPERATIONAL AREA PHASE 1 — TASK NO: 6496

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 on site talking about details of injury incident. J. Davis offsite.

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

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

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

Chopped a little on line 10N.

1630 SK off site.

Last entry.

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND 005 OPERATIONAL AREA PHASE I — TASK NO: 34896

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

Task Team Members:

Tom Davis — Matt Obloy
Brad Richardson
Chris Hallley

Narrative (include time and location):

0730 Onsite. Some delay due to some required regional soil work. J. Geisler onsite - wants medical update on Evelyn. Discuss clearances - no word yet from A. Spessard regarding blanket approval for soil gas implacement. 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 Mowery; 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 him the 15 A7 boring locations. Then stake Bldg 61 100' x 100'.

1200 JD offsite.

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

LAST ENTRY

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

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

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

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

Task Team Members:

Brad Richardson

Chris Halley

Narrative (include time and location):

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

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 DAILY LOG SHEET

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

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 through 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

LAST ENTRY

ABR 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

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. (12W15-1)
1200 Lunch
1245 CH + MO to Area 3/SDB to stake. BR + ES to stake and finish Area 3.
2:45-3:15 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 [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND DOE OPERATIONAL AREA PHASE I TASK NO: 3489

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, Joletta 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 HA. JD gives site orientation briefing. See HAS Tailgate mtg form.

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

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 fedex delivery from office.

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

Other notes & 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

PROJECT NAME: EG&G MOUND DOUS OPERATIONAL AREA PHASE I TASK NO: [illegible]

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

Task Team Members:

NA

Narrative (include time and location):

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

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

per Hr. Fm A. Spurrand; - excavate at accessway on perimeter road w/ 4 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 come up steep road - Not allowed

-- no drill start today due to lack of procurement. Field crews to locate place for hammer and generator (hammer too small), crew to Meijers for misc, and Davis to HARCO (misc supplies and to change over). 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. Marsh 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): 6/14/94 TIME: 0700 PAGE 1 OF 3

Task Team Members:

JOHN DAVIS, JOLETTA HUMPERT, MARK ~~Mike Howard~~ JHD 6/14/94, MIKE KLIDJECE, ERIC SAYLOR (HSA), MIKE MONROE, SUSAN, ~~AUSTIN~~ ABSTON, MARTHA CRONKER (CABLE TOOL), BOWSER-MORNER CREW

Narrative (include time and location): JHD 6/14/94

0700 all staff @ t/r. Conduct HAS Meeting. Drill crews still prepping equipment. One of the OVA probes is working, 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 Ground Post 2 but drill too small. Joletta will call Procurement for a larger drill. Crew to rental store for larger drill.

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

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

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

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

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

1200-1300 Break for lunch.

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

P.M. Same

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO.: 34896

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

Task Team Members:

NA

Narrative (include time and location):

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

For: A7 Drilling:

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

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

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

#4: Not cleared

#5: loc as staked OK

#6, 7: need to be moved.

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

#12, 13, 14: Not cleared

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

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

1430 JD w. 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

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

Date (mm/dd/yy): 6/14/90 TIME: NA: PAGE 3 OF 3

Task Team Members:

NA

Narrative (include time and location):

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

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

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

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

1800 All personnel offsite.

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By [signature] QA Checked By Laura M. Monnier 8/15/91

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: 234896

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

Task Team Members:

JOHN DAVIS JOCETTA HUMPERT — MIKE KLIDJECZ EVELYN MEAGHER (HSA)

JEFF DEVAUGHN — MIKE MONROE MARK HOWARD (SC)

SUSAN ABSTON MARTY CRAMER (CABLE TOOL) — BOWLER - MORNING CREW

Narrative (include time and location):

0700 All personnel @ HQ. Conduct HAS briefing.
Crews gathering equipment.
Joyce Miller @ HQ. D&D requirements for daily 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 Bachmer (B-M); Gene Wolf needs addendum for grab water sampling. Written up per hole + equipment.
0800 Jeff DeVaughn on site. Evelyn Meagher onsite

Cable tool on standby waiting on IDW drums. They've been packaged but not bar coded.
1000 JD @ HSA. Crew purging water for 1 casing 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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I TASK NO.:

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' (could 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. Site procedure says stabilizers is optional, will use tremie. For next well, will probably drill an 8" hole.

1430 Start tremie #5 sand / slurry in W399.

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

1500. Tremie sand and bentonite completed. Alec Berry and Alan Spessard @ Cable tool. Per A. Berry; sand slurry is required. Also, its not allowed to let water flow out of well. Per A. Spessard; AZ 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

PROJECT NAME: E&G&I MOUND OU5 OPERATIONAL AREA PHASE II — 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 Geotech equipment.

EOD Summary:

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

CHBR-TOC: W399 has sand and bentonite. Will set grout tomorrow after bentonite is cured. Rig broken down. Ready to decon.

SOIL GAS: hammer broken. Steel pressure. All three samplers on Gas 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

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

ask Team Members:

JOHN DAVIS JOLETHA MINARD
MIKE KLIDJECZ, ERIC SAYLOR (HSA)
SUSAN ALSTON, MARTHA CRAMER (CARE)
MARY HOWARD MIKE MOORE (SG)
CHRIS HALLEY, JEFF DEVALLEAU (STAKE)
BOWLER MARNER CREWS

Narrative (include time and location):

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

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

1330 Meet T. Taylor, B. Stanley, A. Spesard in Area 7. Locate Boring #16. AS approves 5' shift to get off utilities. AS wants 4 soil gas points, 1 on each side of fuel tanks as 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. Crooked 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:

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE: 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: TD run 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. Mosier 8/15/94

TASK/TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU OPERATIONAL AREA PHASE II — TASK NO.: [illegible]

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 DEVAUGN (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 @ the. Conduct HSS Briefing. Conduct site orientation and assign training to SB, CP.
A7 HSA set up on B1.
FIDLER crew begins equip. & site familiarization.
KAZCO delivers new OVA - old one was leaking Az
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. Leisler and shelby tubes for drillers.
NOTE: Village Rental delivers drill for soil gas crew.
NOTE: per Mike Donahue, may have trouble separating all drills - HP coverage.
Davis offsite @ 1030
EOD SUMMARY:
A7 HSA: @ 32' B1. No water or bedrock
NP HSA: moved to B407
CABLE TOOL: water @ 0737. 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

PROJECT NAME: EG&G MOUNTAIN OPERATIONAL AREA PHASE I — TASK NO.: 328962

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

Task Team Members:

JOHN DAVIS JOLETTA MUMPERT ERIC SAYLOR LEE LOOFER JEFF DEVAUGH (A7 HSA)
MARK MONROE, MIKE HOWARD (SL) @ 6/21/94 SUSAN ABSTON MARTHA CRAMER (CABLE TOOL)
MIKE KLUDJECK EVELYN MEACHER (NP HSA) SALLY BROWN CRAIG PATTERSON (FADER)

Narrative (include time and location):

0730 all personnel w/ the Conduct H&S Briefing. Crews prep for days activities.

- Discuss need for vehicles & another tie w/ T. Tank. Tie to be set up in Contract. Parking lot for storage & decon. No electricity.

0830 Call for A7 HSA. No HP on site.

Per T. Tank; only 1/2 bucket required for all geotech samples.

0915 Cable tool support vehicle stuck w/ W397 - ATV HSA comes up to unstick it.

0930 A7 HSA has high OVM readings. Run detector tubes; neg. on benzene, vinyl chloride. Resume drilling.

1430 w/ A7B2, driller noticed vent for Asbestos Abatement in Bldg 29. Driller wants personal air monitor. J. Geiser contacted Indust. Hygiene - 3 Gilian in place but driller not comfortable. J. Geiser working w/ I.H. to see if they can supply monitoring.

w/ 1400 JD w/ Bldg 91 to pick up IDW barrels but none available.

1545 Call to Sandy Geibel - I. Hygiene:

- wants opinion on Level D clothing. "Street" clothes OK but 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 [signature] 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER FIELDBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — 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 AM AREA MONITOR by vent and will get results by Thurs. Samples analyzed inside building are below background. Activities inside bldg include wall & floor washing not Asbestos removal per se.

EOD SUMMARY

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

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

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

FIDLER: 1 FIDLER DOWN; otherwise good progress

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

SOIL GAS: Good progress

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE II — TASK NO: [illegible]

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

Task Team Members:

John Davis, Joletta Humpert, Eric Taylor, Greg Loder, Jeff Dougherty (OAHSA), Susan Alston, Heather Cramer (Cable tool), Mark Hourihan, Mike Monroe (SL), Mike Klidzejs, Evelyn Meagher (NPHSA), Craig Patterson, Sally Brown (FIDUCI)

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 ovm wouldn't calibrate w/ methane.
- Crews preparing for activities.

0800-0900 JD checking mound 10m drums. Find K. McMahan. Load up 8 used (empty) Weston barrels in Bldg 91. Deliver to Rigs.

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

Disc. w/ T. Trask. Mound with 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 Bldg (A7). only rad spls need to be collected. Wants a Soil Screening Facility spl ÷ 2'.
- Drill rig crew notices that Bldg 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: Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOG BOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE II — 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. Tank: 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. No utility lines encountered.

- CALL for Dan Garrison Mound Safety. JD asked to make postings for exclusion zone. DG says coveralls (cross contam 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. McMahan. A7B16 on hold. Re broken fencer - suggested switching cables. Also said high heat can affect readings.
- G. Lodge 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. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: 34898

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 ZZ: 2 timers installed, 34 tubes on perimeter. Need urinalysis to get inside AZZ. 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'S LOGBOOK

PROJECT NAME: EGG MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: [illegible]

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

Task Team Members:

JOHN DAVIS, JOSETTA HUMPERT, EVELYN MEASHER, GREG LODIE, JEFF DEVAUGN (OAHSA)
MIKE KLIDZEJS, ERIC SAYLOR (NPHSA), MARK HOWARD, MIKE MONROE (SG)
SUSAN ABSTON, MARTIN CRANDLE (CABLE TOOL), SALLY BROWN, CRAIG PATTERSON (FIDUFR)

Narrative (include time and location):

0730 All personnel on site. Conduct H&S Briefing.
J. Geisler and Bill Stott (4768) @ HR. BS will be JG replacement next week. Discuss misc. items. Again to drill A7B8, A7B5 on Mon.
- Call to Gene Waite Bowen-Morrow. GW agrees to drill W400 w/ cable tool @ hourly prices. Set up B-M man (Jim) for down staging today - will meet Denny Grant @ 0900 @ Grand Pass 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 rentals and are laundered commercially.

· Note: per K. McMahon, 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. Lodie repeat 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. Monroe 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO.: 3400

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 there. Concern about cross-contamination. Discuss w/ T. Trank. Discuss w/ Alec Berry. He says to make sure its not just a mistake hit.

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

1500 Alec Berry of ALNM Spoke @ 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 @ discrete 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 not tested 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

PROJECT NAME: EG&G MOUND 005 OPERATIONAL AREA PHASE I — 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'S LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO: 934898

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 DEVGUSH (ATHSA)
MIKE KLIDZEJS, ERIC SAYLOR (NPHSA), MARK HOWARD, MIKE MONROE (SC)
SUSAN ABSTON, MARTHA CROWE (CABLE tool), SALLY BROWN, CRAIG PATTERSON (FIDCEL)
PAUL PARRISH, DAVE CUMMINGS (GEOS)

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 (AT) drill only enough to collect last 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 FIDCEL security escort for tomorrow - 730-430. Meet @ Post 2. 6/27
- Call for Dave Kester. Surveillance sched. for ~~last~~ Thurs. Needs copy of OUS 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 @ ATHSA B3. Pursing wire to collect grab sample. Thin flasher 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. Marman 8/15/94

TASK/TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

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

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

Task Team Members:

NA

Narrative (include time and location):

by intercom phone

1330 @ NP HSA B406. Current depth is 60'. No water encountered. Poss bedrock. Refusal @ 60' - withard shale? Trying to auger through it. Cont spl collected @ 45'. Question is what is total depth in this situation? Auger refusal @ 63'. Decide this is bedrock. Cont soil sample @ 45' which is 20' above bedrock. This spl collected based on damp core but hole didnt make water.

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

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

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

1600. Call from A7B3: to date.

17-24 w. sorted gravel. water @ 17

24-33 brn cly moist @ top then drying

33-36 TOTD gry cly, dry. VOC hit @ 34-36 10ppm neg meth, v. chloride, benzene.

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND FUSS OPERATIONAL AREA PHASE I — TASK NO. 93-96

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

Task Team Members:

NA

Narrative (include time and location):

ND spl collected @ 20' - CPSE gravel, no fines.

1600 per Bill Stott; per Kathy Kaylor, OK to deliver t/e onsite. JD Mulh truckdriver, positions trailer @ stop sign 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 over hit.
FIDLER: 45 ppm in NOMADC 213 to date
SOIL GM: 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

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

Narrative (include time and location):

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

Per T. Turk. "Delete" Field Change 05-NP-009 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' interval in B3. Coarse gravels, fines washed out.

- wall log placement in W399, W397.
- geotech spls unwaxed.

0930 disc w/ Bill Stott: reemphasize safety glasses. Wants sign on HR (semi) w/ ph. numbers. Make sure exclusion zones are posted.

0930 Call from 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 towards fence. Confirm w/ A. Spessard.

0930 @ A383 w/ K. McNaboe & 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. Morrum 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOG

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — 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 ORIS. location. Then 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 Days offsite. Back to Dayton office for misc. Project paperwork.

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

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

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: [illegible]

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

Task Team Members:

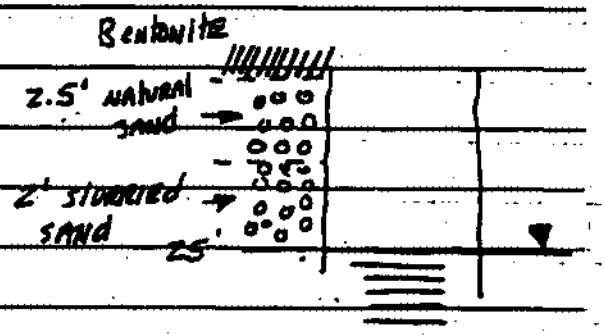
NA

Narrative (include time and location):

Drill new well in SDZ first - midafternoon tomorrow.

1630 Call fm S. Abston. While setting the well @ 8400, 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

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 DeVaughn (ATKSA), Susan Ashton, Martha Cerner (CAHE), Mike Klidzejz, Eric Saylor (NPKFA), Sally Brown, Craig Patterson (ADEFA), 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 hits of 60 ppm are "no big deal". G. Loder documents <1 ppm in breath zone. Breezy today also. Drillers shouldn't keep heads around top of auger flights. According to S. Davis, OK to drill. Still must observe Action Levels in BZ

Steve Davis 615 481-4755

1000 G. Loder reports 15% LEL @ B7. A. Berry on site. Decide to grout and abandon due to exceeding LEL action levels.

Kip Weaver (Mound Developing) planning a trench work @ B16. Proposal 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

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: X4898

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 decomissed. Go w/ A. Berry & stake relocation of B402 = approx 110' N of orig. location; in SDZ.
- Told A. Berry about small "cave-in" at B400. He was alright with it.

1200 Call for T. Tank. Informed me that we shouldn't have put in soil gas sampling in AZ1 per Change Order
1230 at B16 for auditory to determine proper location Bob Strawley (3885). Relocate B16 approx 15' S. of orig. location. This loc. believed to be middle of tank. Tank believed to be at ≐ 20', sitting on bedrock. Spls scheme is RAD spls only at 5' intvls w/ non spls at OVA hits. Want to penetrate tank. Bill still checking to see if lockout is necessary - loc. approx 15' for overhead lines. Activity is in tank. B. Stat says loc is ok no overheads. He'll work 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

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

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

Task Team Members:

NA

Narrative (include time and location):

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

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

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

- All A7 boring cleared except B15.

EOD Summary

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

NP HSA: Completed 403, 404. HSA done

NP Cable: TDD = 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

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

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

Task Team Members:

John Davis Toletta Hampton George Wahl Greg Loder Jeff DeVaugn (AFHSA)
Mike Klidzejz Eric Saylor (NPHSA) Sally Brown Craig Patterson (FIDLER)
Susan Abston Martha Cramer (NPCABLE) Mark Hougard Nate Monroe (SG)
Paul Parrish ~~Dave Cummings~~ (GEOPH)
TRD 6/30/94 George Wahl

Narrative (include time and location):

0730 all personnel onsite. Call Roy Moore to arrange wipes to release NP ATV HSA eq. TRD 6/30/94

- T. Tank arrangs for AFHSA thru 7/12. Will also add cable tool in A7.

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

0930 Call for A7B16. Hit water @ 16.7'. Cuttings for 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 for K. McMahon who @ SSF. Spl for 16-18 avg. 25 pc. Mound RP allows work to 25 pc w/ coveralls. For 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 procedures.

1100 Collecting water spl. Per R. Mauney, action levels determined by activities levels, not therefore. Activities 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 LOG BOO

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA ERASE — TASK NO.: 8488672

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 B6, at least for today. Respirator fit may be required.
Rig and barricade must be offsite by EOD w/ monitoring hole.
IDMs must be marked radioactive. IDMs must be moved.

1440 Mtg w/ A. Berry, A. Spriggs, T. Tank @ OSE Bldg:
- July 20 issue NPDI FR
- Poss. meeting w/ Mound.
- Add ≐ 4 soil gas around fuel tanks - A. Berry/Spriggs will locate.
- Water 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 cal completed. May not be necessary for EM31

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OD5 OPERATIONAL AREA PHASE I TASK NO: 134906

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'S LOGBOOK

PROJECT NAME: [illegible] MOUND OU OPERATIONAL AREA PHASE [illegible] — TASK NO: [illegible]

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

Task Team Members:

John Davis, Joletta Minnard, Craig Patterson, Sally Brown (FIDLER), Greg Loder, Jeff DeVausen (AZHSA), Chris Halley, Eric Snyder (George Wash), Susan Abston, Martha Cranor (Cable) (sed splg)

Narrative (include time and location):

0715 all personnel onsite. Conduct H&S Briefing.
J. Cussler onsite. Review last weeks activities w/ them.
Alert here that B410 will require a LOTO.
- Get sediment sampling crew going. They go to office for logbook.
- Greg Schaule onsite for SAIC QA surveillance.
  - M&TE QAAP 12.1 - Not necessary. QAAPs are guidelines. QAPjP takes precedence. Get rid of M&TE Usage Log - no entries.
  - Not recording lot numbers of calib gases on M&TE Log.
  - All pages numbered in logbooks. Can't Enter. Blank pages crossed out & dated

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

1000 to A7 B13 w/ G. Schaule to observe operations
1030 to Bldg 61 w/ G. Schaule to observe FIDLER
1130 to NON-RCC w/ G. Schaule 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: [illegible]

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

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. Carman; she heard from A. Meyer that Compuchem is getting chloroform hits (20ppb) from ambients.

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

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

JMP 7-5-94

1430

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

1515 Call from G. Loder at WS JMD 7/5/94 1313. Water in hole at 31.3 TDTD = 34. 0-28 = cly 28-30 = sand, 30-34 = cly and a little gravel in spoon below 34. Instruct G. Loder to prep 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. Marman 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO. 348963

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 Devanzo (AFHSA), Susan Alston, Martha Cramer (CABLE), Ron Smith, Juan Alvarez (SEEP), Chris Halley, Eric Taylor (SED), 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. Schrock. Will leave Procedure checklists

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

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

P.M. SAME

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO.: [illegible]

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 for 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. Lodge reports TDTD = 62. Water encountered @ 59. Per A. Berry, do not collect a water spl as this interval due to commingling 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

PROJECT NAME: EG&G MOUND DOE/OP OPERATIONAL AREA PHASE I — TASK NO.: 34896

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

Task Team Members:

John Davis, Joletta Hompard, Gary Loder, Jeff DeVinsen (HSA)
Tanya Pfaff, Juan Alvarado (SEED), Sally Brown, Craig Patterson (FIDELITY)
Susan Alston, Martha Cermak (CABLE), 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 - start lifts then to substation near B10 for LOTO of main street lites.
0900 Complete LOTO. Cable tool starts on B410
0945 G. Loder reports that B13 is completed. TD @ 70' @ bedrock
0900 T. Trask on site. Discuss schedule.
1100 Call T. Pedro leave msg. for FRI access
D. Sink, D. Work, J. Heger : B-M
G. Loder, J. DeVinsen, J. Davis, J. Minard, J. Alvarez : SAIC
1030 G. Loder reports B13 completed @ 70.0 bedrock
1430 @ OSE Bldg for mtg w/ T. Trask, A. Sullivan, A. Baker, K. McMahon
• B-M offsite by COB 7/15 if they cant finish. & if Burlington can come on.
• B16 Actinium @ 20 pc/g.
• Will need Rad Worker II Tech (1-day) w/ respirator fit.
• We have SSF conference tomorrow until 330. Cont 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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO: [illegible]

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

Task Team Members:

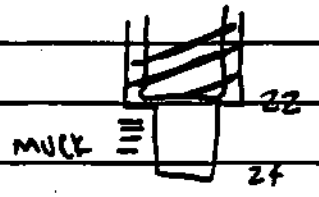
NA

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', cleaned rounded gravels, no water.
1415 @ HSA B14. Start drilling.

1545 After mtg., back to B410. Shelter louvers must thaw
Accompanies me to Bldg 50 for removal of LOTO.
1600 @ Bldg 50 for LOTO
1615 to substation. Complete removal of LOTO.
1630 G. Loder 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
Avg @ 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

PROJECT NAME: EG&G MOUND PROJ. OPERATIONAL AREA PHASE I — TASK NO.: 34896

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

Task Team Members:

NA

Narrative (include time and location):

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

HSA: @ 24' High LEL

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

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

1830 All personnel offsite.

Last entry

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I 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 ON site. HSA CREW @ B14. LEL FROM yesterday (road out) has dissipated. Continue drilling.

0815 @ HSA B14. MINOR LEL hits around 8%. Prepping to collect grab water sample. Hit 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 tlm 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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO: 934896

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

Task Team Members:

John Davis, Joletta Humphrey, Mike Monroe, George Wahl (SL), Greg Loder, Jeff DeVaughn (AFHSM), Juan Alvarado, Tonya Pugh (SEED), Susan Abiko, Marion Cramer (CABLE), Craig Patterson, Sally Brown (FIDLER)

Narrative (include time and location):

0700 all personnel on site

0730 Meet J. Wiska & S.C. Patterson for LOTO. Go to Bldg 50, run deep wells.

0800 LOTO completed. To B14. LEL has dissipated over weekend. Continue dirg.

- FINISH staking sed sptg locs.

1000 @ B410 w/ A. Berry. Water tentatively located @ ≈ 31'. per A. Berry, set screen 2' above water but drill to bedrock. If necessary, grout w/ bentonite in sump to set well.

1530 @ B410. Wtr @ 30.95'. TDTD = ~~39~~ 41' STD 7-11-94 Will set screen 29-39 tomorrow. Laurie wait for LOTO.

1535 @ B14. TDTD = 74.94'. 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

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

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

Task Team Members:

NA

Narrative (include time and location):

EOD SUMMARY:

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

A7 HSA: still on B14. TDTD = 76.0

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

SEDS: Good progress. Will complete tomorrow.

S6: IN SDB.

FIDUR: starting A22

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

PROJECT NAME: EG&G MOUND DOE OPERATIONAL AREA PHASE II — TASK NO: 234896

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

Task Team Members:

John Davis, Joletta Hempel, Mike Monroe, George Wehl (SG), Gary Loder, Eric Saylor (AZ HSA), Sally Brown, Clark Patterson (Fluor), Susan Alston, Matthew Cramer (CABLE), Chris Halley (SED)

Narrative (include time and location):

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

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

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

Daily Weather Conditions: A.M. Warm, humid, clear, 95°F
P.M. Same

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OD5 OPERATIONAL AREA PHASE I — TASK NO. 34898

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 (FIDER), Greg Loder, Eric Saylor (AT HSA), Mike Monroe, George Wahl (SL), Susan Abston, Martha Cramer (CAPE), Juan Alvarado

Narrative (include time and location):

0700 all personnel on site.

0830 Complete B14, TD @ 114.0 began 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. Hager, S. Abston, M. Cramer, J. Davis on access list for Fri 7/15. Also call M. O'Donahue. He will arrange HP coverage (Henry Robinson) and SSF support for 7/15, A7 drillings.

0915 Chris Holley onsite to replace Sally Brown on FIDER

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 on site if HGL is no OVA hits.

1500 Lightning Alert per Henry Robinson

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

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

P.M. heavy rain in AM.

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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I 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: Grouted B410

Cable tool: continue developing 397. Slow recovery.

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

Difficulty grouting - holes run out of grout due to without fine heaving sands. Move to B8

Soil GAS: installing in Area 3

ADCPR: working in A7

Lost Entry

Daily Weather Conditions: A.M. NA

P.M. NA

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

PROJECT NAME: EG&G MOUND FOUS OPERATIONAL AREA PHASE I TASK NO: 34896

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

Task Team Members:

JOHN DAVIS JOLETTA HUMPERT GREG LODER ERIC SAYLOR (HSA)
MIKE MONROE GEORGE WAHL (SL) SUSAN ABSTON MARTHA CRANER (CASTLE)
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. Need 1 training set for tomorrow

0930 call K. McMahon. Give him names for training: Also S. Willis for
J. Davis, S. Abston, M. Craner (SMEC) ACCESS:
Dennis Sink D. Work (B-M)

depth @ 12'. high OVA (pegged) downhole. 35ppm 1 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 sun and warmer.

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOG BOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — 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 come from depth and holes are grouted.

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

1230 @ B8. G. Coder reports that after lunch, LEL was still high so added water to auger; to ground surface (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 drager 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

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

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

Task Team Members:

N/A

Narrative (include time and location):

1430 @ OSE for mtg w/ A. Sprand, T. Tant, K. McMahon, A. Berry.

- Discussion of Level D. What should we be wearing? Need to call SAIC Corporate. A. Sprand says disregard D. Garrison and S. Wibel. SAIC can wear coveralls if we want but not that Mound is forcing us to wear them. Disregard above paragraph. Continue wearing coveralls in A7. per A. Sprand. Get copies of 3-dy supervised tng 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. Crawford develop, purge & sample B400.

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 LOG B

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

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

Task Team Members:

JOHN DAVIS	SAIC	DENNIS SINK	BOWER MOORE
SUSAN ABSTON	↓	DWIGHT WORK	↓
MARTIN CRAWFORD			

Narrative (include time and location):

at OSE bldg @ 0900; J. DAVIS, S. ABSTON, M. CRAWFORD, D. WORK, D. SINK for Red Worcester II Trenching

Unit 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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE II — TASK NO.: [illegible]

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

Task Team Members:

G. Loder, G. Wahl (AZHSA) — C. Patterson (FIDCEL)
S. Alston, M. Cremin (CAHE) — J. Davis, J. Hummel
J. Alvarado, C. Helley (SG)

Narrative (include time and location):

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

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. Tarik pulled Sally Brown into office - no support for Craig P.

- S. Alston & M. Cremin 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 auger to bedrock
  - if we get LEL hit, flood hole immediately.

1315 K. MacMahon called - HEPA ~~cartridge~~ OK 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 [signature] 8/15/94

TASK TEAM ACTIVITY LOGSHEET — SITE MANAGER LOGBOO

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — 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 fitteated by company and can provide cards

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 348906

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

Task Team Members:

Craig Patterson - Sally Brown (ADESC) Martha Cramer - Susan Alston (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. Alston and M. Cramer collecting W397001 at B397 w bailer.

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

P.M. NA

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

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

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

Task Team Members:

Tom Davis, Joletta Humphrey, Martha Cramer, Susan Abston (GW spls)
Greg Loder, George Wahl (AFHSA), Sally Brown, Craig Patterson (FIDER)
Juan Alvarado, Chris Halley (SG)

Narrative (include time and location):

0700 all personnel on site
- J. Alvarado reports that 3 points in SDB exceeded FIDER background, scanned for soil gas implacement. Did not drill there. Has check 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. Spexard, A. Berry - No need to decon back of rig between shallow holes. Need to use clean augers.
- also ok to just auger below 30' unless lithology changes.

1000 @ B402. Spls cleaning finishing sampling there.
1015 @ B12. Just completed. TD = 22' Moving to B10
1030 @ B10 w/ J. Geiske. 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. Marcum 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER: LOGB

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE — 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, L. Coder, G. Wehl (SAIC)

D. Sink Dwork (B-M)

1400 Call for K. McMahan. He wants to stage all IDM drums in A7.

1500 G. Coder completes B10 @ 13.5'.

NOTE: FIDLER calls report that field tests and disc. w/ Roy Mohan 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 scanning.

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

PROJECT NAME: EG&G MOUND DOE OPERATIONAL AREA PHASE I TASK NO.: 34596

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 LOG

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: 348

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

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. Morrill 8/15/94

TASK TEAM ACTIVITY LOG SHEET

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

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.

(PART 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 LOGBK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE: TASK NO.: 34886

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

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

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

Task Team Members:

Jerry Davis, Joletta Hempfent, Gail Locke, George Wahl (A7HSA)
Juan Alvarado, Chas Halley (SC), Susan Alston, Martha Carmer (GW spl)
Sally Brown, Curtis Patterson (FIDLER)

Narrative (include time and location):

0700 all personnel on site. Conduct HSS briefing.
A7HSA sets up on B11
K. McMahon and J. Geiska 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/ Skeeter 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 collect water spl @ B410. Then to W359 – 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

PROJECT NAME: EG&G MOUND OPERATIONAL AREA PHASE I

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

Task Team Members:

Greg Loder George Wahl
Joletta Minard 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 IDM 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

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

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 #. ~~8-267-1116~~) 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

PROJECT NAME: EG&G MOUND DOE OPERATIONAL AREA PHASE I TASK NO.

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 blast 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. Marsiglia 8/15/94

TASK TEAM ACTIVITY LOG SHEET

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

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

sk Team Members:

J.H

Narrative (include time and location):

water coming out of B399 per Shelter & 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 Kuonen (surveying) for OU9 tomorrow @ 10:30am. Either myself or possibly Laura M. will fill in.

1400 G. Loder called - will come down tomorrow to fill in for C. Holley 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 rod 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. Humpert QA Checked By Laura M. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

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

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

Task Team Members:

Jolitta Hampert John Davis Sally Brown Craig Patterson (FI
Greg Loder Juan Alvarado (SG)
Susan Abston Martha Cremer (A7 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 decontaminating 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 on 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

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — 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. IM 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 LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: 348966

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

Task Team Members:

John Davis, Joletta Hundeet, Susan Alston, Martha Cramer (A7 HSA)
Chris Halley, Juan Alvarado (SG)
Sally Brown, Craig Patterson (FIDLER)

Narrative (include time and location):

0700 ~~All site on personnel~~ 0700 7/27/94 All personnel on site. Conduct Mgs Briefing.

- HSA crew set up on B15. Good progress.
- JD & JH to New Property to pick up drums.
- Call T. Trask and give weekly update.
- Call to A. Berry. Discuss lack of water @ W399. He suggests we do more surging, with a surge block. Also said we shouldn't dump groundwater from IDW to ground.

1400 Complete B15 @ 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. Morrison 8/15/94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 348968

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 Cremer

Narrative (include time and location):

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

- small sg grid around A7 gas tanks. Research w/ Petrex
- PH holes scheduled for Tues, Wed next week
- AZ1; not sure what contaminant is there. Will run FIDLER. per A. Spessard.
- 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 8/5/94

TASK TEAM ACTIVITY LOGSHEET — SITE MANAGER LOGBOO

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: 348966

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

Task Team Members:

John Davis Jolette Humpert Sally Brown Craig Patterson (FID
Juan Alvarado Chris Halley (SC)
Martha Cramer (SC)

Narrative (include time and location):

0730 all personnel on site.
FIDLEC working in 3/508. Soil gas in A7.
1200 JD to office to discuss misc project details w/ T. Trask
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

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

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

Task Team Members:

JOHN DAVIS Jolette Humphrey Martha Crocker

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 H2O IDM staging area to cover drums. Then check scanned locations of 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

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE 1 TASK NO. [illegible]

Date (mm/dd/yy): 8/3/94 Wed TIME: 0700: PAGE 1 OF 1

Task Team Members:

JUAN ALVARADO Chris Halley (soil gas)

JOHN DAVIS

Narrative (include time and location):

0700 Soil gas crew onsite. Working in A7

1400 JD onsite to check access for Add'l Sampling Program.
Unlocked

Daily Weather Conditions: A.M. cool, overcast 75°F

P.M. warmer 85°F

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

EG&G MOUND

OUS

SITE MANAGER

LOG BOOK

OPS AREA PHASE I

NEW PROP EXTND PHASE

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 348903

Date (mm/dd/yy): 8/4/94 Thurs TIME: 0700 PAGE 1 OF 1

Team Members:

Juan Alvarado Chris Halley

Narrative (include time and location):

0700 Soil gas crew onsite. Working in A7.

0930 A. Berry calls J. Davis w/ Beaverdale office.
AB wants W399 surged to try to improve flow to collect groundwater sample.

1000 JDavis faxes July Accident Report to J. Geisler

1430 @ OSE Bldg for mtg w/ A. Sperland, A. Berry, K. McMahan, T. Tank
- Discuss issuance of New Prop. Phase 1 Field Report
- Discuss Add'l Sampling Plan
- Discuss 50/10 Validation. Will treat OPS Area and New Prop as a "single batch".
- A. Berry wants to surge W399.
- Some RBD worker II slots; 730A 8/10 @ 91B; Keith needs to know first thing Mon.

Note: Soil gas completes Area 7 today.
Last Entry

Daily Weather Conditions: A.M. cool overcast 80°F

P.M. warm to 85°F

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

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

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

Task Team Members:

Joletta Humpert

Gary Lodin John Davis (PH BLDG BORINGS)

Martha Centner Chris Halley (SOIL GAS)

Narrative (include time and location):

0700 Soil gas crew on site. Work in A.I. all day.

0800 G. Lodin onsite w/ equip. from Village Rental.

0830 J. Davis onsite.

- To Bldg 24 to drill B17, B18, B19, B20; 0-5' each; with hand augering equipment.

1130 v. difficult drilling. Complete B17.

1530 - continued diff. drilling. Complete B18.

Last Entry

Daily Weather Conditions: A.M. Warm 85°F Clear

P.M. Sunny, sl. more humid

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

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/9/94 TIME: 0730 PAGE 1 OF 1

Team Members:

Joletta Humpert

Martha Cramer Chris Halley (SG)

Greg Loder Juan Alvarado (PH BLDG BORINGS)

Narrative (include time and location):

SOIL CAM CREW WORKING IN AREA J. V. difficult drilling down steep hillside.

GL & JA continue w/ PH bldg. Complete B20? @ 3'. B19? Auger refusal @ 2'. Attempted to contact Mound personnel for direction.

Last Entry

Daily Weather Conditions: A.M. SEE INDIV. LOGBOOKS

P.M. "

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

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO: 348967

Date (mm/dd/yy): 8/10/94 TIME: 0730 PAGE 1 OF 1

Task Team Members:

Joletta Humpleat Greg Lodge (SG ultrifuge)
Chris Halley Marlene Cacmen (SG pump)
Joe Schultheis (W399)

Narrative (include time and location):

All personnel on site by 0730

1130 Call fm. Joe Schultheis. He checked water level in W399; water @ 26.29' from top of cmins. Well depth @ 35.11 TOC. Screen @ 23-33 which means there's about 7' of water in screen which is a sufficient amount to surge.

1200 Call to Joletta. JH & GL pulling soil gas tubes in A3. CH & MC installing SG tubes in Area J.

Note: Yesterday GL completed drilling and sampling PH holes; all to 3'. Also grouted holes.

Call to Jim?; Bowen-Morrow. Ted Keen set up to surge and pump W399 tomorrow; w/ G. Lodge.

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

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

Date (mm/dd/yy): 8/11/94 TIME: NA PAGE 1 OF 1

Task Team Members:

Joletta Humpert, Paul Parrish (SG Authority)

Chris Hilley, Juan Alvarado (SG Place)

Greg Loder (W399)

Narrative (include time and location):

GL supervises Bowser Morner to ~~pu~~ ~~mechanically~~ surge and pump W399 @ start, WL @ 24.1' well depth = 33.0

Surge for 1 hour, check turbidity surge again.

Then ~~point~~ ~~mechanically~~ bail well dry, 4.5 gal removed.

See W399 logbook for details

GAH 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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I TASK NO.: 3

Date (mm/dd/yy): 8/15/94 MON TIME: 0715 PAGE 1 OF 1

Task Team Members:

Joletta Humpert (SG Retrieve) (Soil G Place) Chris Halley
Paul Parrish (SG Retrieve)
Martha Cramer (SG Place

Narrative (include time and location):

All ~~personell~~ PH 8/15/94 personnel onsite by 0730

Placement Crew working in Area 61 and Area J.
Retrieval crew in Area 7.
Fast Entry

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

Recorded By Joletta Humpert QA Checked By Laura M. Marsa 9-27-94

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND FOUS OPERATIONAL AREA PHASE I TASK NO.: [illegible]

Date (mm/dd/yy): 8/16/94 TUES TIME: 0730 PAGE 1 OF 1

k Team Members:

~~Joletta~~ SPH 8/16/94

Chris Halley + Martha Cramer (SG Place)

Narrative (include time and location):

All personnel onsite @ 0700

Working in Area 13 with security.

East Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By Laura M. Marion 9-27-94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

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

Date (mm/dd/yy): 8/17/94 WED TIME: NA PAGE 1 OF 1

Task Team Members:

M Cramer
C. Halley

Narrative (include time and location):

All Entries Made by CH 8/31/94

0700 Arrive at Trailer
0836 Crew to non-AOC area.
1150 Lunch Break
1330 Back to ~~AOC~~ non-AOC area
1605 Back to Trailer
1610 Tubes / Log Book

Last Entry

Daily Weather Conditions: A.M. Overcast / Hazy / Fog ~64°F
P.M. NA

Recorded By: [signature] QA Checked By: [signature]

TASK TEAM ACTIVITY LOGSHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE 1 — TASK NO.: 14896

Date (mm/dd/yy): 8/18/94 THURS TIME: NA PAGE 1 OF 1

Task Team Members:

Martha Cramer, Chall Halley (soil gas) — Shaw, Weiss, Denapoles (surveyors)
John Davis — " ; Bernard Klenow
Jeff, Kunka

Narrative (include time and location):

0800 SWD personnel + JDavis on site to locate AS built Ops Area and New Property soil borings, wells, seeps, and sediment points.

- Work in Ops Area; locate A7 borings (B01-B16) and Bldg 24 borings (B17-B20). Also locate well 0410 and those sed. points w/i Ops Area

1200-1300 Lunch

2-1600 To New Prop. Show them boring, well, and sed locations. They'll (SWD) finish surveying next Tues.

Last Entry

Daily Weather Conditions: A.M. Sl. overcast 85°F

P.M. Same

Recorded By [signature] QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE II — TASK NO.: 34896

Date (mm/dd/yy): 8/22/94 TIME: NA PAGE 1 OF 1

Task Team Members:

M Cramer

C Haley

Narrative (include time and location):

All Entries made by CA 8/31/94

0700 Arrive @ site

0730 Joleta calls to discuss upcoming week workplans for soil gas

0805 H+S briefing

0815 Non-AOC area

0900 High Rad areas encountered by SG crew. Called J Davis - MC/CH will sample well 399 this week. Need to purge 3 days and sample

0945 Continue Non AOC.

1:45 To Lunch

~1500 To well 399 to purge

~1630 Return from well.

~1630 Tubes/Logbooks Last Entry.

Daily Weather Conditions: A.M. Cloudy / Cool 63°

P.M. N/A

Recorded By C Haley QA Checked By Juletta Hauapert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/23/94 TIME: N/A PAGE 1 OF 1

Team Members:

M. Cramer — Steve Davis (Oak Ridge)
C. Hally
M. Oblay

Narrative (include time and location):

~~All Entries made by CH 8/31/94~~ JPH 9/16/94

0715 Personnel onsite
0800 M.O. trained in soil gas procedures.
0900 M.O and C.H. leave to help OU9 surveyors.
1000 HLS briefing by M.C.
1030 Pick up HP - off to non AOC to install.
1145 Lunch
1315 Back to Area 13 to pull timers.
1430 Begin installing in non AOC
1530 Back at trailer - offsite.
Last Entry

Daily Weather Conditions: A.M. 75°F, Sunny
P.M. 80°F, breezy

Recorded By Jolotta Humpert QA Checked By Laura M. Morrison 9-27-94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO.: 34896

Date (mm/dd/yy): 8/24/94 TIME: NA PAGE 1 OF 1

Task Team Members:

Martha Cramer (S.G. Jr)
Chris Halley (S.G. Jr)
Henry Robinson (EG & G)

JPH 8/24/94

Narrative (include time and location):

0700 Onsite at trailer
0715 J. Geisler provides permits
0830 Begin drilling in non-AOC (SW/PP) area to install tubes.
1200 Lunch
1305 Back to SW/PP Area to install
1450 Scanned out by HP.
1515 Bailing W399 in New Property
1600 Offsite

Daily Weather Conditions: A.M. 68°F, cloudy, overcast
P.M. 78°F, cloudy

Recorded By Joletta Humpert QA Checked By Laura M. Morrison 9-27-94

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I TASK NO.: 3.3.3.

Date (mm/dd/yy): ~~8/24/94~~ 8/25/94 TIME: NA PAGE 1 OF 1

Task Team Members:

Martha Cramer (SG In) Henry Robinson (EG&G)
Matt Obley (SG In-training).
Chris Talley (SG In).

Narrative (include time and location):

0700 Onsite at trailer
0800 Meet security at Gate 56 to install in non ADC.
0830 H&S briefing.
1150 Break for lunch. M. Cramer leaves for office.
1245 Back to non ADC to install.
1605 Patching holes w/ quickcrete.
1620 Purging Well W399.
1700 Offsite

Daily Weather Conditions: A.M. 72°F, overcast, P. cloudy.
P.M. 87°F, hot, sunny

Recorded By Joletta Humpert. QA Checked By Laura M. Marrin 9-27-94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

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

Date (mm/dd/yy): 8/29/94 TIME: NA PAGE 1 OF 1

Task Team Members:

J. Humpert (retrieval) — Matt Obley (install)
Juan Alvarado (retrieval)
Chris Halley (install)

Narrative (include time and location):

0730 Arrive @ trailer
0745 Keith McMahon indicated a bird count will be conducted some time this week.
H&S briefing
0800 Retrieval crew leaves to retrieve in Area J, non ADC north, Area 13 timers, and patch holes in Area J.
0900 Installation crew off to non ADC to install tubes.
1215 Break for lunch
Retrieval crew leaves for office
1300 C.H. out with J. Geisler locating points.
M.O. heads to office.
Last Entry

Daily Weather Conditions: A.M. Sunny, 70°F
P.M. Sunny, 75°F

Recorded By Jolatta Humpert QA Checked By Laura M. Marlin 9-27-94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER: LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: 24896

Date (mm/dd/yy): 8-30-94 TIME: NA PAGE 1 OF 1

Task Team Members:

Matt Obloy, Chris Halley (SG, Inc.)

JPH 8/30/94

Narrative (include time and location):

0730 Arrive at trailers
0830 Off to non-AOC to install following H&S briefing
1130 Lunch break
1230 Back to non AOC to install
1550 Scan out with HP
1615 Unload equipment
Offsite. Fast Entry

Daily Weather Conditions: A.M. 75°F, Sunny
P.M. 75°F, Overcast

Recorded By Joletta Humpert QA Checked By Laura M. Morrison 9-27-94

TASK TEAM ACTIVITY LOG SHEET — SITE MANAGER LOGBOOK

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

Date (mm/dd/yy): 8/31/94 TIME: NA PAGE 1 OF 1

Task Team Members:

Chris Halley, Matt Oblog (S.G. In)

JPH 8/31/94

Narrative (include time and location):

0730 Onsite at sample trailer
0800 Off to install in non-AOC - pick up HP.
1215 Lunch break
1300 Meet w J. Geisler for permits
1330 Rain - shut down
1400 Back at trailer - prepping soil gas tubes, etc.
1600 Offsite
Last Entry

Daily Weather Conditions: A.M. 70°F Overcast
P.M. 72°F, Overcast, rain

Recorded By Joletta Humpert QA Checked By Laura M. Marion 9-27-94

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE II TASK NO: 34696

Date (mm/dd/yy): 9/1/94 TIME: NA PAGE 1 OF 1

Team Members:

Matt Oldey Chris Halley (S.G. In)
Joletta Humpert Brad Richardson (S.G. Out)

Narrative (include time and location):

0730 Onsite at sample trailer
HIS briefing
0800 Installation team out to non-RCC after picking up HP.
Retrieval team out to Area J, Area 61 & Area 3. Retrieving tubes and patching holes.
1200 Lunch. Retrieval team done. Shipping Area 3 + Area J.
1500 Installation team returns to trailer - prepping tubes.
1630 Offsite.
Test Entry

Daily Weather Conditions: A.M. Sunny, 70°F
P.M. Sunny, 75°F

Recorded By Joletta Humpert QA Checked By Laura M. Morrison 9-27-94

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

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

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		
[illegible]		
[illegible]		
Art Tuza		
Jeff Kuhn		

John H. Davis

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK PAGE 247

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO. 346

DATE: 5/12/94 Su M Tu W (Th) F Sa TIME: 07

WEATHER: clear crisp calm 45°F

WORKING CONDITIONS: good

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

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]		
[illegible]		

JOHN H. DAVIS

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASKING: 248968

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 Tuttle		
Eric Taylor		
[illegible]		
[illegible]		

Terri Davis

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

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

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, gloves, add cleaning PPE when cleaning

NOTES: Discuss:

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

Last Entry

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

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

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: [illegible]

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

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOG

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: 31

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 falls trip hazards

Last entry

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

Eric Taylor		
[illegible]		
[illegible]		
[illegible]		
Bernard D Bennett		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER'S LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: [illegible]

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 cleaning PPE when cleaning.

NOTES:

Discuss

- chainsaw & machete safety
- replenishing 1st aid
- ticks
- heat exhaustion
- slip, trip, fall

Last Entry

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

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

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOG

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

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 work 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]	[illegible]	
[illegible]		
[illegible]		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER'S LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: [illegible]

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)

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

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM SITE MANAGER LOGBOOK

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

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!

Cont 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

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO.: [illegible]

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

WEATHER: Clear cool 50°F calm

WORKING CONDITIONS: Good.

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

NOTES:

Discuss

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

Last Entry

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

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

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOG

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

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

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

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE: — TASK NO.: 24068

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 Meagle yesterday
  Eye protection is 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

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

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 Oxley		
[illegible]		
Chris Hedges		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER: [illegible]

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: [illegible]

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
  Gate 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 LOGB

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

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 I.
  - 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 FORM — SITE MANAGER: [illegible]

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE [illegible] — TASKING: [illegible]

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

WEATHER: Mostly Sunny 60°F, Calm

WORKING CONDITIONS: Good

REQUIRED PPE: See below

NOTES:

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

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

Last Entry

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

[illegible]		
Eric Taylor		
[illegible]		
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM SITE MANAGER [illegible]

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

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

WEATHER: Sunny 70°F

WORKING CONDITIONS: Good

REQUIRED PPE: See [illegible]

NOTES: Concerns

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

Last Entry

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

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

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING DIG FORM — SITE MANAGER'S DESK

PROJECT NAME: EG&G MOUND FUSS OPERATIONAL AREA PHASE I — TASK NO: [illegible]

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 Design Pond. Rigs must go around.

Last Entry

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

[illegible]	[illegible]	
[illegible]	Mark T. [illegible]	
[illegible]	[illegible]	
Martha Simmons		
Susan L Alston		
L C Patterson		

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: 3.0

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

WEATHER: warm 80°F humid clear

WORKING CONDITIONS: good.

REQUIRED PPE: glasses, boots, hardhats in exclusion zones

NOTES:

Discuss:

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

Last Entry

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

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

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

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

East Entry

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

Duane L Alston	[illegible]	
[illegible]	[illegible]	
[illegible]		
S C Patterson		
[illegible]		
Eric Taylor		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

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]	Juletta Jumpert	[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

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO: 348963

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

WEATHER: hazy, overcast humid 75°F

WORKING CONDITIONS: good but wet

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

NOTES:

Discussed

- lightening alerts. Mound AP 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 work coveralls and will launder.
- Slippery driving conditions in new property
- Heat stress

Last entry

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

Tinuko Cramer	Stella Dumpert	G. Patterson
Susan J. Wilson	[illegible]	[illegible]
Kelly A. Brown	Tom Bagham	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	G. [illegible]
[illegible]	[illegible]	

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK PZ264

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

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, hardhats as required.

NOTES: Discussed

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

Last Entry

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

[illegible]	[illegible]	
[illegible]	[illegible]	
Juletta Hungert	[illegible]	
Yanta Cramer	[illegible]	
[illegible]	[illegible]	
Eric Taylor	[illegible]	

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE — 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, hardhats 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	Maurice L. Cramer	[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

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

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. Allston	[illegible]	
[illegible]	Juliette Hurspert	
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO: [illegible]

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 hardhats 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)

Sally A Brown	Eric Saylor	
[illegible]	Joletta Humpert	
[illegible]		
Marsha L Crow		
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: 3489

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

WEATHER: clear, sl. humid 80°F

WORKING CONDITIONS: GOOD

REQUIRED PPE: glasses and hard hat, hardhat 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 DeLaughter	
Susan T Alston		
Mantaz Cramer		Joletta Humphrey
	S C Patterson	
Eric Taylor		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOG BOOK

PROJECT NAME: FEMP MOUND OUS OPERATIONAL AREA PHASE I — TASK NO.: [illegible]

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

WEATHER: clear cool breezy 70° F

WORKING CONDITIONS: good

REQUIRED PPE: glasses and boots, hardhats as required

NOTES: Discussed:

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

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 # 270

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE II — TASK NO: 3486

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

WEATHER: clear, humid, 80°F

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots, hardhats as required

NOTES:

Discussed

- drilling schedule to finish by 7/12
- Road 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 Holly	
George Wahl	Marsha L Crames	
[illegible]	Juliette Thompson	
[illegible]	[illegible]	
[illegible]		
Sally A Brown		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — TASK NO.: 3.0.0

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, handwarts as required.

NOTES: Discussed

- weather conditions

Cart Entry

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

[illegible]	Juletta Hunnicutt	
Susan L Alston	George Wolf	
Martin Cramer	Steve C. Bell	
Sally A Brown Jr	Sheetra Patterson	
[illegible]	[illegible]	
[illegible]		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

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

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

WEATHER: warm clear humid 80°F

WORKING CONDITIONS: good

REQUIRED PPE: hardhats 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 Brown		
George Wahl		
[illegible]		
Susan L. Allsop		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER'S LOGBOOK

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE I — 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~~ MD 7/13/94

NOTES:

Discussed:

chigger protection

tick protection

OSHA medical surveillance - required for all intrusive activities

Last entry

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

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

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM

SITE MANAGER: [illegible]

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

TASK NO: [illegible]

DATE: 7/14/94 Su M Tu W (Th) F Sa TIME: 0750

WEATHER: overcast sl drizzle humid 75°F

WORKING CONDITIONS: slippery

REQUIRED PPE: glasses & boots; headlamp as required

NOTES: Discussed

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

Last Entry

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

[illegible]	Juletta Humpert	
George Wahl	George Wahl	
[illegible]		
Sally Brown		
Susan L Alden		
Maureen Cramer		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

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, headbands as required

NOTES:

Discussed:

- keep vehicles gassed up
- watch for poison ivy.

Last Entry

The following individuals attended the daily "tailgate" safety meeting: (Signatures)		
J. Humpert		
[illegible]		
[illegible]		
[illegible]		

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER/LOGBOOK

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

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]		
Juliette Humpert		
[illegible]		
SD [illegible] Sally A Brown		
[illegible]		
Monica L Crow		

[illegible]

SITE HEALTH & SAFETY OFFICER

TAILGATE SAFETY MEETING LOG FORM — SITE MANAGER LOGBOOK

PROJECT NAME: EG&G MOUND OB/OD OPERATIONAL AREA PHASE I — TASKING: [illegible]

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

WEATHER: overcast, cool

WORKING CONDITIONS: good

REQUIRED PPE: glasses, boots; hardhat as required

NOTES:

Discussed:

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

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

[signature]		
[signature]		
[signature]		
[signature]		
[signature]		

[signature] 7/27/94

SITE HEALTH & SAFETY OFFICER

A.2 FIDLER LOGBOOK

ECHO BACKBAND

GUS OPS AREA

PHASE I

HIDDEN

CHECK

NOC 5

NOC 22

NOC 21

AOC FIDLER SURVEY LOG BOOK

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

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

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

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

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

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

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

PROCEDURES: *SOP 1.1, SOP 6.7*

START DATE: 7-5-94
END DATE:

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FOLDER: ADCJ

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

PROJECT NO: 34896

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71	FIDLER MEASUREMENT DATA - AOCJ - 7-5-94 7-6-94	101	
72	MEASUREMENT DATA - AOCJ - 7-6-94 7-7-94	102	
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74	" " AOCJ - 7-11-94 7-12-94	104	
75	No Entry	105	
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89		119	BLANK PAGE
90		120	SURVEY FIDLER READINGS AOCJ

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

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T. JUE

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

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207		237	ADC 21-Activity Log Sheet - 8/2/94
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249		279	AOC21 - FIDLER SURVEY READINGS 8/2/94
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252		282	BLANK PAGE
253		283	AOC 22 Activity Log Sheet - 7-12-94
254		284	AOC22 Activity Log Sheet - 7-13-94
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263	AOC21 FIDLER MEASUREMENT DATA 8/2/94	293	
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309	FIDLER STD BKGD DATA - 7-12-94 AOC22	339	
310	" " " " - 7-13-94 AOC22	340	
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372	Blank Page - Last Page	402	
373	No further entries	403	
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AOC. J

TASK TEAM ACTIVITY LOG SHEET

FIDLER

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

TASK NO: 34896

Date (mm/dd/yy): 7/5/94 TIME: 15 : 30 PAGE 1 OF 1

Task Team Members:

SALLY BROWN

CRAIG PATTERSON

JA 5/11/95 Numerical values recorded for CH2 and Out channels were not multiplied by 1000. Calculations include a factor of 1000.

Narrative (include time and location): NEAR WESTERN SIDE OF AREA J

CH 1 - 140, 125, 100, 120, 130 - 615 ÷ 5 = ~~123~~ x3 ~~369~~ + ~~123~~ = 159.9 JA 5/11/95 x = 123 σ = 11.09 3xsd = 33.29 ~~+ 123 = 156.29~~ JA 5/11/95

Out - 9.0, 9.0, 8.5, 8.5, 9.0 - 44 ÷ 5 = ~~8.8~~ x3 ~~26.4~~ + ~~8.8~~ = 11.44 JA 5/11/95 x = 8.8 sd = 2.96 ~~3xsd = 8.88 + 8.8 = 17.68~~ JA 5/11/95

CH 2 - 8.0, 8.0, 8.0, 8.0, 8.0 - ~~8.0~~ x3 = ~~24~~ + 8.0 ~~8.0~~ = 10.4 x = 8 sd = 2.82 3xsd = 8.48 + 8 = ~~16.48~~ JA 5/11/95

15:30 - TAKE STANDARD BACKGROUND CHECK NEAR L-5

1600 - FINISH BKGD CHK

START ~~SERPET~~ SB 7/6/94 TAKING READINGS AT L-4 & L-5

16:15 - UNABLE TO SERPENTINE ~~THE~~ SB 7/6/94 ALL OF BLOCK DUE TO HEAVY BRUSH

16:30 - DEBATE WHICH CORNER IS THE NORTHEAST CORNER OF AREA J.

DECIDE WE HAD IT RIGHT THE FIRST TIME W/ A-1 BEING THE NORTHEAST CORNER. ONLY GET A FEW READINGS TAKEN.

1700 - GO IN TO TRAILER. WORK ON LOG BOOKS. 2% completed

~~Last Entry~~ JA 5/11/95 Background ~~CH1~~ CH1 = 156.29 JA 5/11/95

Mean = $\bar{x}$ = 8000 Background CH2 = 8268 ≅ 8.3×10^3

mean = $\bar{x}$ = 8800 Background ~~CH3~~ JA 5/11/95 Out = 9081 ≅ 9.1×10^3

Background = $3(\sqrt{\text{mean}}) + \text{mean}$

from sol 6.7 mean = $\frac{\Sigma \text{ values of 5 BKGD readings}}{5}$

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. VERY HOT, ~~DRY~~ SB 7-5, HUMID

Recorded By Sally A Brown QA Checked By Juletta Humpert

2

TASK TEAM ACTIVITY LOG SHEET — FIDLER: [illegible]

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

Date (mm/dd/yy): 7-6-94 TIME: 7 : 40 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 did include a factor of 1000.

Narrative (include time and location):

STD BKGD CHK DATA NEAR AREA J - B-13 7:40

(A) CH1 - 110, 150, 140, 115, 120 - 635 ÷ 5 = 127 x 30 = 3810 4/28/95 + 127 = 165.1 x = 127 sd = 11.26 3xsd = 33.78 + 127 = 160.78

OUT - 9.5, 9.5, 9.5, 9.5, 9.5 - 95 ÷ 5 = 19 x 5 = 285 4/28/95 + 9.5 = 1235 x = 9.5 sd = 3.08 3xsd = 9.24 + 9.5 = 18.74 1a 5/11/95

CH2 - 8.0, 8.0, 8.0, 8.0, 8.5 - 40.5 ÷ 5 = 8.1 x 3 = 243 4/28/95 + 8.1 = 10.53 x = 8.1 sd = 2.84 3xsd = 8.52 + 8.1 = 16.62 1a 5/11/95

CH2 Pu²³⁹ - 8.0 Th - 18.0

CH1 Pu²³⁹ - 13000 Th - 1400

(B) STD BKGD CHK DATA - JM6 - 12:35 - IN WOODS

CH1 - 100, 140, 115, 125, 130 = 122 x 3 = 366 4/28/95 + 122 = 158.6

OUT - 12.0, 12.0, 11.5, 12.0, 12.0 = 11.9 x 3 = 35.7 4/28/95 + 11.9 = 15.47

CH2 - 10.5, 10.0, 10.0, 10.5, 10.0 = 10.2 x 3 = 30.6 4/28/95 + 10.2 = 13.26

CH1 cc = 155.13 CH2 cc = 19.78 1a 5/11/95 OUT cc = 22.24 1a 5/11/95

COME IN AT ~~5:00~~ 1700 SB VAN NEEDED FOR MOVING SAMPLES

810 - START TAKING READINGS IN THE FLAT UPPER AREA OF J.

AREA IS FLAT W/ LOW GRASS SO ABLE TO SERPENTINE

9:30 - go to WESTON construction area for NON-AOC measurements.

1145 - IN FOR LUNCH 12:35

1310 - START TAKING READINGS IN WOODED LOWER AREA OF J. TERRAIN IS VERY STEEP WOODED ROCKY CLIFF. VERY DIFFICULT TO CLIMB WITH FIDLER. UNABLE TO COMPLETE SERPENTINES. TAKE AN OUT CHANNEL READING AT STAKES.

1645 - JOHN DAVIS COMES OUT TO TELL US TO RETURN TO TRAILER. THE VAN IS NEEDED FOR TAKING SAMPLES TO FEDEX. RETURN AT 1700. 33% Completed

~~Last Entry~~ 1a 5/11/95 (B) BKGD: CH2 = 10503 ≈ 10.5 x 1000; out = 12222 ≈ 12.2

(A) BKGD: CH2 = 8370 ≈ 8.4 x 1000 ~~Last Entry~~ out = 9792 ≈ 9.8 x 1000 1a 5/11/95

Daily Weather Conditions: A.M. Hot, Humid

P.M. Hot, turns stormy looking

Recorded By Sally Brown QA Checked By Joletta Humphrey

3

TASK TEAM ACTIVITY LOGSHEET — FIDLER: AOC J

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

Date (mm/dd/yy): ~~7-7-94~~ SB 7-7-94 TIME: 7 : 30 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 did include a factor

Narrative (include time and location):

STD BKGD CHK NEAR JCP9 - 7:30 ~~97.6~~ 4/28/95 x = 152 sd = 12.32 3xsd = 36.96 + 152 = 188.96

(A) CH1 - 150, 160, 155, 150, 145 = 760 ÷5 = 152 ~~3 = 456 + 152 =~~ ~~171.6~~ CP 7/12/94

Pv 238 - 18,000 Th - 1400

CH2 - ~~80~~ 8.5, 8.0, 8.0, 8.0, 8.5 = 41.0 ÷5 = 8.2 ~~x3 = 24.6 + 8.2 =~~ ~~10.66~~ 4/28/95 SB 7-7-94 x = 8.2 sd = 2.86 3xsd = 8.59 + 8.2 = ~~16.79~~ 5/12/95

Pv 238 - 8.0 TL 26.5

Out - 9.0, 9.0, 9.0, 9.5, 9.0 = 45.5 ÷5 = 9.1 ~~x3 = 27.3 + 9.1 =~~ ~~11.83~~ 4/28/95 x = 9.1 sd = 3.01 3xsd = 9.03 + 9.1 = ~~18.13~~ 5/12/95

STD BKGD CHK DATA NEAR JK5 13:05

(B) CH1 - 90, 90, 90, 90, 95 = 91 ~~x3~~ ~~118.3~~ 4/28/95 SB 7-7-94 sd = 9.33 3xsd = 28.00 ~~119.61~~ 5/12/95

OUT - 9.0, 9.5, 10.0, 10.0, 10.0 = 9.7 x3 ~~29.1~~ ~~12.91~~ CP 7/12/94 ~~12.61~~

CH2 - 9.5, 9.5, 9.5, 8.5, 8.0 = 9.0 x3 ~~2.7~~ ~~11.7~~ 4/28/95 ~~19.04~~ 5/12/95

HV = 1.2 BATTERY 62% ~~18.0~~ 5/12/95

8:00 - START TAKING READINGS IN UPPER FLAT PART OF AOC J. ABLE TO SERPENTINE FLAT AREA.

SB 8-15 ~~1000~~ 1145 IN FOR LUNCH - go to NON-AOC after lunch

1305 - TAKE NEW BKGD CHK FOR WOODED AREA.

1340 - START TAKING READINGS ON STEEP HILLSIDE W/ LARGE PATCHES OF POISON IVY. UNABLE TO SERPENTINE. VERY DIFFICULT TO CLIMB HILL W/ FIDLER TO TAKE READINGS AT THE STAKES.

16:30 - RETURN TO TRAILER. WORK ON LOGBOOKS. 75% COMPLETED. ~~Last Sunday~~ 5/11/95

(B) BKGD: CH2 = 9183 ≈ 9.2 x 1000 ; out = 9995 ≈ 10.0 x 1000 5/11/95

(A) BKGD: CH2 = 8472 ≈ 8.5 x 1000 ; out = 9386 ≈ 9.4 x 1000 5/11/95

Daily Weather Conditions: A.M. HUMID, HOT, SUNNY

P.M. HUMID, HOT, SUNNY

Recorded By Sally J Brown QA Checked By Joletta Humphrey

4

TASK TEAM ACTIVITY LOG SHEET — FIDLER AOCJ

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

Date (mm/dd/yy): 7-11-94 TIME: 7 : 47 PAGE 1 OF 1

Task Team Members:

Sally Brown

Craig Patterson

Narrative (include time and location): 747 - STD BKGD CHK NEAR A-1 SB 7-11-94

#1 CH1 - 180, 180, 180, 200, 220 = 960 ÷5 = ~~137 x3 = 39.6 + 132~~ ~~171.6~~ 233.56 (51 192/960)

(A) Pu238 - ~~1000~~ 1000 Th - 1000 960÷5 = ~~19.2 x3 = 57.6~~ ~~7491~~

CH2 - 3.0, 3.0, 3.5, 3.5, 3.5 - 16.5 ÷5 = 3.3 x3 = ~~9.9 + 11.6 = 9.9~~ ~~14.9~~

Pu239 - 2.7 Th - 14 x=3.3 sd=1.81 3xsd=5.44+3.3 = ~~8.74~~ SB 7-11-94

Out 7.0, 7.5, 7.0, 7.0, 7.5 = 36 ÷5 = ~~7.2 x3 = 21.6 + 7.2 = 9.36~~ x=7.2 sd=2.68 3xsd=8.04 ~~15.24~~ 1a 5/14/95

1300: get new battery for fidler Batt - 98% HV 1.2

#2 STD BKGD CHK - 1310 at near JA3 CP 7/12/94 ~~123.5~~ 124.24

(B) CH1 80, 75, 140, 90, 10 - 475 ÷5 = 95 x3 = ~~285 + 95 = 380~~ ~~193.9~~

CH2 - 5.0, 5.0, 5.0, 5.5, 5.5 = ~~16 ÷5 = 3.2 x3 = 9.6 + 2.6~~ x=5.2 sd=2.28 3xsd=6.84 ~~12.04~~ 1a 5/14/95

~~Out~~ ~~26 ÷5 = 5.2 x3 = 15.6 + 5.2 = 6.76~~

JA - 6.0, 6.0, 6.0, 6.0, 6.0 = ~~18 x3 = 18 + 6.0 = 7.8~~ x=6 sd=2.44 3xsd=7.34 +6 ~~13.34~~ 1a 5/14/95

JE06-16 - 10.0 - ~~5" D~~ 5 ft. diameter Southeast sector

epicenter is 12.0

#2 CH1 - 150 CH2 - 12.5 OUT - 43.5

7:00 - Sally comes in w/ sprained wrist from weekend. Only Craig will carry the Fidler. Sally writes

8:15 - Start taking readings Flat area, able to serpentine all blocks.

12:00 - Lunch 13:00 - get new battery due to old one at about 50%.

13:10 - take new BKGD CHK 1340 - Start serpentining; flat area, able to serpentine all.

1700 - Go in to trailer. 99% completed ~~Last Entry~~. 1a 5/11/95

BKGD: (A) CH1 = ~~3357~~ ≈ 3.4 x1000 1a 5/14/95 3472 (B) out = ~~7285~~ ≈ ~~7.3~~ x1000 3.5 1a 5/11/95 ; (B) CH2 = 5416 ≈ 5.4 x1000 1a 5/14/95 7455 ≈ 7.5 1a 5/11/95 (B) out = 6232 ≈ 6.2 x1000

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

P.M. Sunny, warm

Recorded By Sally A Brown QA Checked By Joletta Humpert

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TASK TEAM ACTIVITY LOG SHEET — FIDLER ROCKY

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

Date (mm/dd/yy): 7/12/94 TIME: ~~7:48~~ 12:30 SB 7-12-94 PAGE 1 OF 1

Task Team Members:

SALLY BROWN

CRAIG PATTERSON

Narrative (include time and location): SB 7-12-94 ~~BAKERY 94% HV 310 CPM CP BETWEEN 22EG AND 22FT IN TALL GRASS UNDER ROPE~~

SB 7-12-94 ~~CH1 165 140 165 165 155~~ HV = 1.22 KV

SB 7-12-94 ~~X̄ = 158 158×3=474 + 7.4~~ (205.4) ~~PU STD 13,000 TH STD 1,600~~

SB 7-12-94 ~~CH2 8.0, 7.0, 7.0, 7.5, 7.5~~ ~~PU STD 7,500 TH STD 25.5~~ ~~PU STD~~ SB 7-12-94 SB 7-12-94 CP 7/12

SB 7-12-94 ~~X̄ = 7.4 .74×3 = 2.22 + 7.4 =~~ (9.62) PU STD 1.5 TH STD 23.5

SB 7-12-94 ~~OUT 8.5, 8.5, 8.5, 7.5, 8.5~~

SB 7-12-94 ~~X̄ = 8.3 .83×3 = 2.49 + 8.3 =~~ (10.79)

STD BKGD CHK FOR ADC 22 WRITTEN IN WRONG PLACE

~~STD BKGD CHK -~~

~~OUT - 10.5, 10.0, 10.5, 10.5, 10.5 - 52 ÷5 = 10.4 ×3 = 31.2 + 10.4 = (13.52)~~ SB 4/28/95 x = 10.4 sd = 3.22 3×sd = 9.67 + 10.4 = (20.0) 9/15/95

~~CH1 - 130, 160, 130, 165, 130 - 715 ÷5 = 143 ×3 = 429 + 143 = (165.9)~~ SB 4/28/95 x = 143 sd = 11.95 3×sd = 35.87 + 143 = (178.87)

~~CH2 - 9.5, 8.5, 9.5, 9.0, 9.0 - 45.5 ÷5 = 9.1 ×3 = 27.3 + 9.1 = (11.81)~~ SB 4/28/95 x = 9.1 sd = 3.01 3×sd = 9.04 + 9.1 = (18.14) 5/12/95

12:30 - TAKE STD BKGD CHK NEAR A4. ~~SB 7-12-94~~

13:00 - TAKE READINGS AT 2 LOCATIONS THAT WE MISSED IN PREVIOUS WORKINGS. CHECK THE AREA FOR OTHER MISSED LOCATIONS

13:30 - LEAVE ADC J - 100% of readings done.

RETURN TO ADC 22.

~~Just Entry~~ 5/12/95 BKGD OUT = 10706 ≈ 10.7 x1000

CH2 = 9386 ≈ 9.4 x 1000

Daily Weather Conditions: A.M. COOL SUNNY WET GRASS

P.M. NA

Recorded By Sally A. Brown QA Checked By Juletta Thompson

FIDLER MEASUREMENT DATA

FIDLER: ACC I

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

FACILITY CODE: MNP32 LOGGER CODE: SAIC

LOG DATE: 7-5-94 FIELD REP: Sally Brown

ACCEPTANCE CODE: A FIDLER NO.: 2

RATEMETER/SCALER:

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

WINDOW: OUT THRESHOLD: NA VOLTAGE: 1.22 BATTERY: 80%

NaI PROBE:

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

CHECK SOURCE:

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

SOURCE CHECK:

METER READING: 18600 COUNTS/ 1 MIN = 18,600 CPM

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

CONTAMINATION CRITERIA: OUT 9.1 ~~11.44~~ ~~17.68~~ GH 5/24/95 CH1 ~~159.9~~ 156.29 CH2 8.3 ~~10.4~~ ~~16.48~~ GH 5/26/95 GH 4/28/95

COMMENTS: STD BKGD CHK DATA ON Pg 1

FACILITY CODE: MND32 LOGGER CODE: SAIC

LOG DATE: ~~7-5-94~~ 7-6-94 FIELD REP: Sally Brown

ACCEPTANCE CODE: A FIDLER NO.: 2A

RATEMETER/SCALER:

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

WINDOW: OUT THRESHOLD: NA VOLTAGE: 1.21 BATTERY: 75%

NaI PROBE:

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

CHECK SOURCE:

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

SOURCE CHECK:

METER READING: 18,600 COUNTS/ 1 MIN = 18600 CPM

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

CONTAMINATION CRITERIA: OUT GH 5/24/95 ~~12.35~~ ~~18.74~~ 9.8 CH1 ~~165.1~~ 160.78 CH2 8.4 ~~10.53~~ ~~16.62~~ GH 5/26/95 GH 4/28/95

COMMENTS: STD BKGD DATA Pg 2

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

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

Sally Brown ~~7/18/94~~ 7/6/94 — FORM COMPLETED BY / DATE 7/5 & 7/6/94

J Humpert 8/30/94 — TECHNICAL REVIEWER / DATE

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FIDLER MEASUREMENT DATA — FIDLER AOC J

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

FACILITY CODE: MND32 — LOGGER CODE: SAIC

LOG DATE: 7-16-94 — FIELD REP: Sally Brown

ACCEPTANCE CODE: A — FIDLER NO.: 2B

RATEMETER/SCALER:

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

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.21 — BATTERY: 75%

NaI PROBE:

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

CHECK SOURCE:

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

SOURCE CHECK:

METER READING: 18,600 — COUNTS/ 1 — MIN = 18600 CPM

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

OUT 12.2 — CH1 155.13 — CH2 ~~17.78~~ 15 gH 5/26/95

CONTAMINATION CRITERIA: ~~41.5 47.94~~ — ~~18 158.6~~ — ~~13.24~~ gH 4/28/95

COMMENTS: STD BKGD DATA ON PG 2

FACILITY CODE: MND32 — LOGGER CODE: SAIC

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

ACCEPTANCE CODE: A — FIDLER NO.: 2A

RATEMETER/SCALER:

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

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.2 — BATTERY: 70%

NaI PROBE:

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

CHECK SOURCE:

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

SOURCE CHECK:

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

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

OUT 9.4 ~~18.13~~ — CH1 188.96 — CH2 ~~16.79~~ 18.5 gH 5/26/95

CONTAMINATION CRITERIA: ~~41.89~~ — ~~171.6~~ — ~~10.66~~ gH 4/28/95

COMMENTS: STD BKGD Data on Pg 3

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

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

Sally Brown 7/16 & 7/7/94 — FORM COMPLETED BY / DATE

J. Humpert 8/31/94 — TECHNICAL REVIEWER / DATE

FIDLER MEASUREMENT DATA

FIDLER Aoc J

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

FACILITY CODE: MND32 LOGGER CODE: SAIC
LOG DATE: 7-7-94 FIELD REP: Sally Brown
ACCEPTANCE CODE: A FIDLER NO.: 2B

RATEMETER/SCALER:
MODEL NO.: 3400 SERIAL NO.: A806N CALIBRATION DATE: 4/18/94
WINDOW: out THRESHOLD: NA VOLTAGE: 1.2 BATTERY: 62%

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

CHECK SOURCE:
ISOTOPE: Pu-238 ACTIVITY: 0.5 Mcuries ~~DPM~~ 9PH 8/31/94 SERIAL NO.: 31

SOURCE CHECK:
METER READING: 186000 COUNTS/ 1 MIN = 186000 CPM
(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y)

CONTAMINATION CRITERIA: 10.0 OUT ~~9.6~~ 9H 5/24/95 ~~12.6~~ CH1 119.61 ~~118.3~~ CH2 ~~8.8~~ 9.2 9H 5/24/95 ~~11.7~~ 9H 4/28/95

COMMENTS: STD BKGD DATA ON pg 3

FACILITY CODE: MND32 LOGGER CODE: SAIC
LOG DATE: 7-11-94 FIELD REP: Sally Brown
ACCEPTANCE CODE: A FIDLER NO.: 2A

RATEMETER/SCALER:
MODEL NO.: 3400 SERIAL NO.: A806N CALIBRATION DATE: 4/18/94
WINDOW: out THRESHOLD: NA VOLTAGE: 1.16 BATTERY: 58%

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

CHECK SOURCE:
ISOTOPE: Pu-238 ACTIVITY: 0.5 Mcuries ~~DPM~~ 9PH 8/31/94 SERIAL NO.: 31

SOURCE CHECK:
METER READING: 18600 COUNTS/ 1 MIN = 186000 CPM
(WITHIN ± 3 STANDARD DEVIATIONS? (Y/N) Y)

CONTAMINATION CRITERIA: 7.5 OUT ~~9.36~~ 9H 5/24/95 ~~12.6~~ CH1 233.55 ~~214.6~~ CH2 ~~8.74~~ 9H 5/24/95 3.5 ~~4.29~~ 9H 4/28/95

COMMENTS: STD BKGD DATA ON Pg 4

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

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

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

9/11/94

[illegible] 8/31/94 — TECHNICAL REVIEWER / DATE

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FIDLER MEASUREMENT DATA — FIDLER AOC J

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

FACILITY CODE: MND32 — LOGGER CODE: SAIC

LOG DATE: 7-11-94 — FIELD REP: Sally Brown

ACCEPTANCE CODE: A — FIDLER NO.: 2 BJ

RATEMETER/SCALER:

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

WINDOW: out — THRESHOLD: NA — VOLTAGE: 1.16 — BATTERY: 58%

NaI PROBE:

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

CHECK SOURCE:

ISOTOPE: Pu-238 — ACTIVITY: 0.5 microcuries 8/31/94 — SERIAL NO.: 31

SOURCE CHECK:

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

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

CONTAMINATION CRITERIA: 6.2 OUT ~~13.34~~ CH1 124.24 — CH2 ~~13.04~~ 5.4 ~~13.34~~

COMMENTS: STD BKGD DATA ON PG 4

FACILITY CODE: MND32 — LOGGER CODE: SAIC

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

ACCEPTANCE CODE: A — FIDLER NO.: 2

RATEMETER/SCALER:

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

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

NaI PROBE:

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

CHECK SOURCE:

ISOTOPE: Pu-238 — ACTIVITY: 0.5 microcuries 8/31/94 — SERIAL NO.: 31

SOURCE CHECK:

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

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

CONTAMINATION CRITERIA: OUT 10.7 — CH1 178.87 — 9.4 CH2

COMMENTS: STD BKGD DATA ON PG 5

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

COMPLETE BOLDED DATA FOR ENTRY INTO TIMS

7/11 & 7/12/94 — FORM COMPLETED BY / DATE

8/31/94 — TECHNICAL REVIEWER / DATE

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FIDLER SURVEY

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

PROJECT NO. AOC

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMME
JA01								
JA01-01	7-11-94	2A	4.5	N	N	NA	NA	
JA01-02			4.5					
JA01-03			4.5					
JA01-04			5.0					
JA01-05			5.0					
JA01-06			5.0					
JA01-07			4.5					
JA01-08			4.0					
JA01-09			4.5					
JA01-10			4.5					
JA01-11			4.5					
JA01-12			4.5					
JA01-13			3.5					
JA01-14			4.5					
JA01-15			4.5					
JA01-16			4.5					
JA01-17			4.0					
JA01-18			4.0					
JA01-19			4.5					
JA01-20			4.0					
JA01-21			4.3					
JA01-22			4.0					
JA01-23			4.0					
JA01-24			4.0					
JA01-25	7-11-94	2A	4.5	N	N	NA	NA	
JB01								
JB01-01	7-11-94	2A	4.5	N	N	NA	NA	
JB01-02			4.5					
JB01-03			4.0					
JB01-04			4.5					
JB01-05			5.0					
JB01-06	7-11-94	2A	5.0	N	N	NA	NA	

FIDLER SURVEY

AOC J

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
JB01-07	7-11-94	2A	3.5	N	N	NA	NA	
JB01-08			3.5					
JB01-09			SB 7-11 ~~3.5~~ 4.0					
JB01-10			4.0					
JB01-11			4.5					
JB01-12			4.5					
JB01-13			3.5					
JB01-14			3.5					
JB01-15			5.5					
JB01-16			5.5					
JB01-17			3.5					
JB01-18			3.5					
JB01-19			4.5					
JB01-20			4.5					
JB01-21			4.5					
[illegible]22			4.5					
JB01-23			3.5					
JB01-24			3.5					
JB01-25	7-11-94	2A	5.0	N	N	NA	NA	
JC01								
JC01-01	7-11-94	2A	4.0	N	N	NA	NA	
JC01-02			4.0					
JC01-03			4.5					
JC01-04			5.0					
JC01-05			5.0					
JC01-06			4.5					
JC01-07			4.0					
JC01-08			4.0					
JC01-09			4.0					
JC01-10			5.0					
JC01-11			5.0					
[illegible]2			3.5					
JC01-13	7-11-94	2A	3.5	N	N	NA	NA	

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FIDLER SURVEY

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

AOC

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMM
JC01-14	7-11-94	2A	3.5	N	N	NA	NA	
JC01-15			3.5					
JC01-16			3.5					
JC01-17			3.5					
JC01-18			3.5					
JC01-19			3.5					
JC01-20			4.5					
JC01-21			4.5					
JC01-22			4.5					
JC01-23			4.0					
JC01-24			3.5					
JC01-25	7-11-94	2A	3.5	N	N	NA	NA	
JD01								
JD01-01	7-11-94	2A	5.0	N	N	NA	NA	
JD01-02			5.0					
JD01-03			5.0					
JD01-04			5.0					
JD01-05			5.0					
JD01-06			5.0					
JD01-07			5.0					
JD01-08			3.5					
JD01-09			3.0					
JD01-10			4.5					
JD01-11			4.5					
JD01-12			4.5					
JD01-13			4.5					
JD01-14			5.0					
JD01-15			5.0					
JD01-16			4.0					
JD01-17			3.5					
JD01-18			3.5					
JD01-19			4.0					
JD01-20	7-11-94	2A	3.5	N	N	NA	NA	

FIDLER SURVEY

AOC J 123

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

STATION ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JD01-21	7-11-94	2A	3.5	N	N	NA	NA	
JD01-22	↓	↓	3.5	↓	↓	↓	↓	
JD01-23	↓	↓	3.5	↓	↓	↓	↓	
JD01-24	↓	↓	3.5	↓	↓	↓	↓	
JD01-25	7-11-94	2A	3.0	N	N	NA	NA	
JE01	7-11-94	2A	4.5	N	N	NA	NA	WOODED AREA
JE01-01								
JE01-02								
JE01-03								
JE01-04								
JE01-05								
JE01-06								
JE01-07								
JE01-08								
JE01-09								
JE01-10								
JE01-11								
JE01-12								
JE01-13								
JE01-14								
JE01-15								
JE01-16								
JE01-17								
JE01-18								
JE01-19								
JE01-20								
JE01-21								
JE01-22								
JE01-23								
JE01-24								
JE01-25								
JF01	7/7/94	2B	6.0	N	N	NA	NA	WOODED AREA

JPH 8/16/94

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FIDLER SURVEY

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

ACC J

PROJECT NO.

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMME
JF01-01								
JF01-02								
JF01-03								
JF01-04								
JF01-05								
JF01-06								
JF01-07								
JF01-08								
JF01-09								
JF01-10								
JF01-11								
JF01-12								
JF01-13								
JF01-14								
JF01-15			JPH					
JF01-16			8/16/94					
JF01-17								
JF01-18								
JF01-19								
JF01-20								
JF01-21								
JF01-22								
JF01-23								
JF01-24								
JF01-25								
JG01	7-7-94	23	3.5	N	N	NA	NA	Wooded
JG01-01								
JG01-02								
JG01-03								
JG01-04			JCH 8/16/94					
JG01-05								
JG01-06								
JG01-07								

FIDLER SURVEY

AOC J

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
JG01-08								
JG01-09								
JG01-10								
JG01-11								
JG01-12								
JG01-13								
JG01-14								
JG01-15								
JG01-16								
JG01-17								
JG01-18								
JG01-19								
JG01-20								
JG01-21								
JG01-22								
1-23								
JG01-24								
JG01-25								
JH01	7-7-94	ZB	6.5	N	N	NA	NA	WOODED AREA
JH01-01								
JH01-02								
JH01-03								
JH01-04								
JH01-05								
JH01-06								
JH01-07								
JH01-08								
JH01-09								
JH01-10								
JH01-11								
JH01-12								
-13								
JH01-14								

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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	COMME
JH01-15								
JH01-16								
JH01-17								
JH01-18								
JH01-19								
JH01-20			JPH 8/16/94					
JH01-21								
JH01-22								
JH01-23								
JH01-24								
JH01-25								
JI01	7-7-94	2B	7.0	N	N	NA	NA	Wooden Bo
JI01-01								
JI01-02								
JI01-03								
JI01-04								
JI01-05								
JI01-06								
JI01-07								
JI01-08								
JI01-09								
JI01-10								
JI01-11								
JI01-12			JPH 8/16/94					
JI01-13								
JI01-14								
JI01-15								
JI01-16								
JI01-17								
JI01-18								
JI01-19								
JI01-20								
JI01-21								

FIDLER SURVEY

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AOC J

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
JJ01-22								
JJ01-23								
JJ01-24								
JJ01-25								
JJ01	7-7-94	ZB	5.0	N	N	NA	NA	WOODED AREA
JJ01-01								
JJ01-02								
JJ01-03								
JJ01-04								
JJ01-05								
JJ01-06								
JJ01-07								
JJ01-08								
JJ01-09								
JJ01-10								
[illegible]1								
JJ01-12								
JJ01-13								
JJ01-14								
JJ01-15								
JJ01-16								
JJ01-17								
JJ01-18								
JJ01-19								
JJ01-20								
JJ01-21								
JJ01-22								
JJ01-23								
JJ01-24								
JJ01-25								
[illegible]	7-7-94	ZB	7.0	N	N	NA	NA	WOODED AREA
[illegible]-01	No entry							

12 JUN 21

/28

FIDLER SURVEY

AOC J

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
JK01-02								
JK01-03			SB 7-13 ~~12.0~~					
JK01-04			SB 7-13 ~~12.5~~					
JK01-05			SB 7-13 ~~12.0~~					
JK01-06			SB 7-13 ~~11.5~~					
JK01-07			SB 7-13 ~~12.0~~					
JK01-08			SB 7-13 ~~12.0~~ 12.0					
JK01-09			SB 7-13 ~~11.5~~					
JK01-10								
JK01-11								
JK01-12								
JK01-13			SB 7-13 ~~12.0~~					
JK01-14			SB 7-13 ~~11.5~~					
JK01-15			SB 7-13 ~~11.5~~					
JK01-16			SB 7-13 ~~11.5~~					
JK01-17			SB 7-13 ~~11.5~~					
JK01-18			SB 7-13 ~~12.0~~					
JK01-19								
JK01-20								
JK01-21								
JK01-22								
JK01-23			SB 7-13 ~~11.5~~					
JK01-24			SB 7-13 ~~11.5~~					
JK01-25			SB 7-13 ~~11.5~~					
JL01	7-7-94	2B	9.0	N	N	NA	NA	
JL01-01	7-11-94	2A	~~6.0~~ 8.0	N	~~N~~ Y	NA	NA	
JL01-02			7.5		N			
JL01-03			7.5					
JL01-04			7.0					
JL01-05			7.0					
JL01-06			8.0		Y			
JL01-07			8.0		Y			
JL01-08			7.5		N			

FIDLER SURVEY

AOC J

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

LOCATION RECORD ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JE01-09	7-11-94	2A	7.5	N	N	NA	NA	
JE01-10			8.0		Y			
JE01-11			SB 7-11-94 ~~7.0~~ 8.0		Y			
JE01-12			SB 7-11-94 ~~7.5~~ 7.0		N			
JE01-13			7.5					
JE01-14			7.5					
JE01-15			7.5					
JE01-16			7.5					
JE01-17			7.5					
JE01-18			8.5		Y			
JE01-19			8.5		Y			
JE01-20			8.5		Y			
JE01-21			7.5		N			
JE01-22			7.5					
JE01-23			7.5					
JE01-24			8.5		Y			
JE01-25	7-11-94	2A	8.5	N	Y	NA	NA	
JM01	7-12-94	2	10.0	N	N	NA	NA	
JA02			~~2.0~~ SB 7-11-94					
JA02-01	7-11-94	2A	5.0	N	N	NA	NA	
JA02-02			4.0					
JA02-03			4.0					
JA02-04			4.0					
JA02-05			4.0					
JA02-06			4.0					
JA02-07			3.5					
JA02-08			4.0					
JA02-09			4.0					
JA02-10			4.5					
JA02-11			4.5					
JA02-12	7-11-94	2A	3.5	N	N	NA	NA	

FIDLER SURVEY

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

AOC J

PROJECT NO.

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JA02-13	7-11-94	2A	3.5	N	N	NA	NA	
JA02-14			3.0					
JA02-15			3.0					
JA02-16			4.0					
JA02-17			4.0					
JA02-18			4.5					
JA02-19			4.5					
JA02-20			4.5					
JA02-21			4.0					
JA02-22			4.5					
JA02-23			4.0					
JA02-24			4.0					
JA02-25	7-11-94	2A	4.5	N	N	NA	NA	
JB02								
JB02-01	7-11-94	2A	4.0	N	N	NA	NA	
JB02-02			4.0					
JB02-03			4.0					
JB02-04			4.0					
JB02-05			4.5					
JB02-06			4.0					
JB02-07			3.5					
JB02-08			3.5					
JB02-09			3.5					
JB02-10			3.5					
JB02-11			3.5					
JB02-12			3.5					
JB02-13			3.5					
JB02-14			4.0					
JB02-15			4.0					
JB02-16			5.0					
JB02-17			4.0					
JB02-18			4.5					
JB02-19	7-11-94	2A	4.5	N	N	NA	NA	

FIDLER SURVEY

ADC J

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
JB02-20	7-11-94	2A	4.5	N	N	NA	NA	
JB02-21			4.5					
JB02-22			5.0					
JB02-23			5.0					
JB02-24			5.0					
JB02-25	7-11-94	2A	5.0	N	N	NA	NA	
JC02								
JC02-01	7-11-94	2A	4.0	N	N	NA	NA	
JC02-02			3.5					
JC02-03			4.5					
JC02-04			3.5					
JC02-05			3.5					
JC02-06			4.0					
JC02-07			3.5					
JC02-08			4.0					
JC02-09			3.5					
JC02-10			4.5					
JC02-11			5.0					
JC02-12			5.0					
JC02-13			4.0					
JC02-14			4.5					
JC02-15			4.0					
JC02-16			5.0					
JC02-17			4.5					
JC02-18			5.0					
JC02-19			5.0					
JC02-20			4.5					
JC02-21			5.0					
JC02-22			4.5					
JC02-23			5.0					
JC02-24			4.5					
JC02-25	7-11-94	2A	5.0	N	N	NA	NA	

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FIDLER SURVEY

AOL 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	COMMENTS
JD02								
JD02-01	7-11-94	2A	3.5	N	N	NA	NA	
JD02-02			4.0					
JD02-03			4.0					
JD02-04			4.0					
JD02-05			3.0					
JD02-06			3.5					
JD02-07			4.0					
JD02-08			4.0					
JD02-09			3.5					
JD02-10			4.0					
JD02-11			4.0					
JD02-12			4.0					
JD02-13			3.5					
JD02-14			3.5					
JD02-15			3.5					
JD02-16			3.5					
JD02-17			3.5					
JD02-18			4.0					
JD02-19			4.0					
JD02-20			4.0					
JD02-21			4.0					
JD02-22			4.5					
JD02-23			4.0					
JD02-24			3.5					
JD02-25	7/11/94	2A	3.5	N	N	NA	NA	
JE02	7/7/94	2B	4.0	N	N	NA	NA	Wooded Area
JE02-01								
JE02-02								
JE02-03			JPH 8/10/94					
JE02-04								
JE02-05								
JE02-06								

FIDLER SURVEY

AOC J

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

ION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JE02-07								
JE02-08								
JE02-09								
JE02-10								
JE02-11								
JE02-12								
JE02-13								
JE02-14								
JE02-15								
JE02-16								
JE02-17								
JE02-18								
JE02-19								
JE02-20								
JE02-21								
-22								
JE02-23								
JE02-24								
JE02-25								
JF02	7/7/94	2B	9.0	N	N	NA	NA	Wooded Area
JF02-01								
JF02-02								
JF02-03								
JF02-04								
JF02-05								
JF02-06								
JF02-07								
JF02-08								
JF02-09								
JF02-10								
-11								
-12								
JF02-13								

JPH 8/16/94

JPH 8/16/94

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FIDLER SURVEY

AOC J

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	COMMENTS
JF02-14								
JF02-15								
JF02-16								
JF02-17								
JF02-18								
JF02-19								
JF02-20			JPH 8/16/94					
JF02-21								
JF02-22								
JF02-23								
JF02-24								
JF02-25								
JG02	7/7/94	2B	5.0	N	N	NA	NA	AOC SOUTH W/ WOODED AREA
JG02-01								
JG02-02								
JG02-03								
JG02-04								
JG02-05								
JG02-06								
JG02-07								
JG02-08								
JG02-09								
JG02-10								
JG02-11			JPH 8/16/94					
JG02-12								
JG02-13								
JG02-14								
JG02-15								
JG02-16								
JG02-17								
JG02-18								
JG02-19								
JG02-20								

FIDLER SURVEY

AOC J

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
JG02-21								
JG02-22			JPH 8/16/94					
JG02-23								
JG02-24								
JG02-25								
JH02	7/7/94	23	6.5	N	N	NA	NA	WOODED AREA
JH02-01								
JH02-02								
JH02-03								
JH02-04								
JH02-05								
JH02-06								
JH02-07								
JH02-08								
JH02-09								
JH02-10								
JH02-11			JPH 8/16/94					
JH02-12								
JH02-13								
JH02-14								
JH02-15								
JH02-16								
JH02-17								
JH02-18								
JH02-19								
JH02-20								
JH02-21								
JH02-22								
JH02-23								
JH02-24								
JH02-25								
JI02	7/7/94	23	5.5	N	N	NA	NA	WOODED AREA

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FIDLER SURVEY

AOC J

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	COMMENTS
JI02-01	7/7/94	ZB	6.0	N	N	NA	NA	Wooded Area
JI02-02								
JI02-03								
JI02-04								
JI02-05								
JI02-06								
JI02-07								
JI02-08								
JI02-09								
JI02-10								
JI02-11								
JI02-12			JPH 8/16/94					
JI02-13								
JI02-14								
JI02-15								
JI02-16								
JI02-17								
JI02-18								
JI02-19								
JI02-20								
JI02-21								
JI02-22								
JI02-23								
JI02-24								
JI02-25								
JJ02	7/7/94	ZB	6.0	N	N	NA	NA	Wooded Area
JJ02-01								
JJ02-02								
JJ02-03								
JJ02-04			JPH 8/16/94					
JJ02-05								
JJ02-06								
JJ02-07								

FIDLER SURVEY

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AOC I

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

PROJECT NO.: 34896

LOCATION AND ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JJ02-08								
JJ02-09								
JJ02-10								
JJ02-11								
JJ02-12								
JJ02-13								
JJ02-14								
JJ02-15								
JJ02-16								
JJ02-17								
JJ02-18								
JJ02-19								
JJ02-20								
JJ02-21								
JJ02-22								
02-23								
JJ02-24								
JJ02-25								
JK02	7/7/94	ZB	6.5	N	N	NA	NA	Wooded Area
JK02-01			~~1.5~~ SB 7-13-94					
JK02-02			~~1.5~~ SB 7-13-94					
JK02-03			~~1.5~~ SB 7-13-94					
JK02-04			~~1.5~~ SB 7-13-94					
JK02-05			~~1.5~~ SB 7-13-94					
JK02-06			~~1.5~~ SB 7-13-94					
JK02-07			~~1.5~~ SB 7-13-94					
JK02-08								
JK02-09								
JK02-10			~~1.0~~ SB 7-13-94					
JK02-11			~~1.0~~ SB 7-13-94					
JK02-12								
02-13								
JK02-14			~~1.5~~ SB 7-13-94					

FIDLER SURVEY

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

AOC J

PROJECT No.

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMM
JK02-15			~~11.5~~ SB 7-13-94					
JK02-16			~~12.0~~ SB 7-13-94					
JK02-17			~~11.5~~ SB 7-13-94					
JK02-18								
JK02-19				OPH 8/16/94				
JK02-20			~~10.0~~ SB 7-13-94					
JK02-21			~~9.0~~ SB 7-13-94					
JK02-22			~~10.0~~ SB 7-13-94					
JK02-23			~~11.0~~ SB 7-13-94					
JK02-24			~~11.5~~ SB 7-13-94					
JK02-25			~~11.5~~ SB 7-13-94					
JL02	7/7/94	23	10.0	N	N	NA	NA	Wooded Area
JL02-01								
JL02-02								
JL02-03								
JL02-04								
JL02-05								
JL02-06								
JL02-07								
JL02-08								
JL02-09								
JL02-10			OPH 8/16/94					
JL02-11								
JL02-12								
JL02-13								
JL02-14								
JL02-15								
JL02-16								
JL02-17								
JL02-18								
JL02-19								
JL02-20								
JL02-21								

FIDLER SURVEY

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AOC J

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

GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JL02-22								
JL02-23								
JL02-24								
JL02-25								
JM02								Not on Map
JA03			~~3.0~~ SB 7-11					~~Not on Map~~ SB 7-11
JA03-01	7-11-94	ZA	SB 7-11 ~~3.0~~ 5.5	SB 7-11 ~~Z~~ N	N	NA	NA	
JA03-02			SB 7-11 ~~2.5~~ 5.0					
JA03-03			SB 7-11 ~~2.0~~ 4.5					
JA03-04			SB 7-11 ~~2.5~~ 4.5					
JA03-05			SB 7-11 ~~2.5~~ 6.5					
JA03-06			6.5					
JA03-07			5.0					
JA03-08			5.0					
JA03-09			5.0					
JA03-10			5.5					
JA03-11			4.5					
JA03-12			4.5					
JA03-13			5.0					
JA03-14			6.0					
JA03-15			6.0					
JA03-16			5.0					
JA03-17			5.0					
JA03-18			5.0					
JA03-19			5.0					
JA03-20			5.0					
JA03-21			4.5					
JA03-22			4.5					
JA03-23			5.0					
JA03-24			5.0					
JA03-25	7-11-94	ZA	5.0	N	N	NA	NA	

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FIDLER SURVEY

Acc. J

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
JB03								
JB03-01	7-11-94	ZA	7.0	N	~~Y~~ N	NA	NA	
JB03-02			6.5					
JB03-03			SB 7-11 ~~6.5~~ 6.5					
JB03-04			6.5					
JB03-05			6.0		N			
JB03-06			6.0					
JB03-07			6.0					
JB03-08			6.0					
JB03-09			6.5					
JB03-10			6.5					
JB03-11			6.0		N			
JB03-12			SB 7-11 ~~6.0~~ 6.5					
JB03-13			6.5					
JB03-14			6.5					
JB03-15			6.0		N			
JB03-16			SB 7-11 ~~5.0~~ 6.5					
JB03-17			SB 7-11 ~~5.5~~ 6.0		N			
JB03-18			6.5					
JB03-19			SB 7-11 ~~7.0~~ 5.0		N			
JB03-20			5.0					
JB03-21			4.5					
JB03-22			5.5					
JB03-23			6.0					
JB03-24			6.0					
JB03-25	7-11-94	ZA	6.0	N	N	NA	NA	
JC03								
JC03-01	7-11-94	ZA	6.0	N	N	NA	NA	
JC03-02			6.5					
JC03-03			6.5					
JC03-04			6.5					
JC03-05			7.0					

FIDLER SURVEY

AOC J

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
JC03-06	7-11-94	2A	7.0	N		NA	NA	
JC03-07			6.5					
JC03-08			7.0					
JC03-09			6.5					
JC03-10			7.0					
JC03-11			6.5					
JC03-12			SB 7-11 ~~6.0~~ 6.0		N			
JC03-13			6.5					
JC03-14			7.0					
JC03-15			6.5					
JC03-16			6.5					
JC03-17			6.5					
JC03-18			6.5					
JC03-19			6.0		N			
JC03-20			6.5					
JC03-21			6.5					
JC03-22			6.5					
JC03-23			6.5					
JC03-24			6.0		N			
JC03-25	7-11-94	2A	6.5	N		NA	NA	
JD03								
JD03-01	7-11-94	2A	6.5	N		NA	NA	
JD03-02			6.0		N			
JD03-03			6.0					
JD03-04			5.0					
JD03-05			4.0					
JD03-06			5.0					
JD03-07			6.0					
JD03-08			6.0					
JD03-09			6.0					
JD03-10			6.5					
JD03-11			6.5					
JD03-12	7-11-94	2A	6.0	N	N	NA	NA	

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FIDLER SURVEY

AOC J

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
JD03-13	7-11-94	2A	5.5	N	N	NA	NA	
JD03-14			6.0					
JD03-15			5.0					
JD03-16			5.5					
JD03-17			5.5					
JD03-18			5.5					
JD03-19			6.0					
JD03-20			6.5					
JD03-21			6.5					
JD03-22			6.5					
JD03-23			6.5					
JD03-24			6.0		N			
JD03-25	7-11-94	2A	5.0	N	N	NA	NA	
JE03	7/7/94	2B	3.0	N	N	NA	NA	Wooded Area
JE03-01								
JE03-02								
JE03-03								
JE03-04								
JE03-05								
JE03-06								
JE03-07								
JE03-08								
JE03-09								
JE03-10								
JE03-11								
JE03-12								
JE03-13								
JE03-14								
JE03-15								
JE03-16								
JE03-17								
JE03-18								
JE03-19								

FIDLER SURVEY

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AOC J

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

PROJECT NO.: 34896

GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JE03-20								
JE03-21								
JE03-22			JPH 8/10/94					
JE03-23								
JE03-24								
JE03-25								
JF03	7/7/94	2B	5.0	N	N	NA	NA	Wooded Area
JF03-01								
JF03-02								
JF03-03								
JF03-04								
JF03-05								
JF03-06								
JF03-07								
JF03-08								
JF03-09								
JF03-10								
JF03-11								
JF03-12								
JF03-13								
JF03-14			JPH 8/16/94					
JF03-15								
JF03-16								
JF03-17								
JF03-18								
JF03-19								
JF03-20								
JF03-21								
JF03-22								
JF03-23								
JF03-24								
JF03-25								

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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	COMME
JG03	7/7/94	ZB	6.0	N	N	NA	NA	Wooded
JG03-01								
JG03-02								
JG03-03								
JG03-04								
JG03-05								
JG03-06								
JG03-07								
JG03-08								
JG03-09								
JG03-10								
JG03-11								
JG03-12			JPH					
JG03-13			8/16/94					
JG03-14								
JG03-15								
JG03-16								
JG03-17								
JG03-18								
JG03-19								
JG03-20								
JG03-21								
JG03-22								
JG03-23								
JG03-24								
JG03-25								
JH03	7/7/94	ZB	4.5	N	N	NA	NA	Wooded Deer
JH03-01								
JH03-02								
JH03-03								
JH03-04								
JH03-05			JPH 8/16/94					
JH03-06								

FIDLER SURVEY

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AOC J

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
JH03-07								
JH03-08								
JH03-09								
JH03-10								
JH03-11								
JH03-12								
JH03-13								
JH03-14								
JH03-15								
JH03-16			JPH 8/16/94					
JH03-17								
JH03-18								
JH03-19								
JH03-20								
JH03-21								
JH03-22								
JH03-23								
JH03-24								
JH03-25								
JI03	7/7/94	23	~~19.0~~ 5.5	N	N	NA	NA	Wooded Area
JI03-01								
JI03-02								
JI03-03								
JI03-04								
JI03-05								
JI03-06								
JI03-07								
JI03-08			JPH 8/16/94					
JI03-09								
JI03-10								
JI03-11								
JI03-12								
JI03-13								

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FIDLER SURVEY

AOC

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	COMMENTS
JI03-14								
JI03-15								
JI03-16								
JI03-17								
JI03-18								
JI03-19								
JI03-20								
JI03-21								
JI03-22								
JI03-23								
JI03-24								
JI03-25								
JJ03	7/7/94	23	6.5	N	N	NA	NA	WOODED AREA
JJ03-01	7/13/94	2	9.0	N	N	NA	NA	CP 7/13
JJ03-02	7/13/94	2	9.0	N	N	NA	NA	SB 7-13-94
JJ03-03			10.5					SB 7-13-94
JJ03-04			12.0					SB 7-13-94
JJ03-05			11.5					SB 7-13-94
JJ03-06			11.5					SB 7-13-94
JJ03-07			12.5					SB 7-13-94
JJ03-08			11.0					SB 7-13-94
JJ03-09							SB 7-13-94	WOODED AREA
JJ03-10							SB 7-13-94	
JJ03-11							SB 7-13-94	
JJ03-12							SB 7-13-94	
JJ03-13	7/13/94	2	12.0	N	N	NA	NA	SB 7-13-94
JJ03-14			12.0					SB 7-13-94
JJ03-15			11.5					SB 7-13-94
JJ03-16			10.0					SB 7-13-94
JJ03-17			11.0					SB 7-13-94
JJ03-18			11.0					SB 7-13-94
JJ03-19							SB 7-13-94	WOODED AREA
JJ03-20							SB 7-13-94	

FIDLER SURVEY

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AOC J

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
JJ03-21							SB 7-13-94	WOODED AREA
JJ03-22							SB 7-13-94	↓
JJ03-23	7/13/94	2	10.5	N	N	NA	NA	SB 7-13-94
JJ03-24	↓	↓	11.0	↓	↓	↓	↓	SB 7-13-94
JJ03-25	↓	↓	8.0	↓	↓	↓	↓	SB 7-13-94
JK03	7/7/94	2B	8.0	N	N	NA	NA	WOODED AREA
JK03-01								
JK03-02								
JK03-03								
JK03-04								
JK03-05								
JK03-06								
JK03-07								
JK03-08								
JK03-09								
JK03-10								
JK03-11								
JK03-12								
JK03-13								
JK03-14								
JK03-15								
JK03-16								
JK03-17								
JK03-18								
JK03-19								
JK03-20								
JK03-21								
JK03-22								
JK03-23								
JK03-24								
JK03-25								
JL03	7/7/94	2B	9.0	N	N	NA	NA	WOODED AREA

JPK 8/10/94

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FIDLER SURVEY

AOC J

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
JL03-01	7-11-94	2B	SB 7-11-94 7.0	N	~~Y~~ N	NA	NA	
JL03-02			7.5		Y			
JL03-03			7.5		Y			~~Woods~~ SB 7-11-94
JL03-04			NA					Woods
JL03-05			NA					Woods
JL03-06			NA					Woods
JL03-07			NA					Woods
JL03-08			7.9		Y			
JL03-09			SB 7-11-94 7.5					
JL03-10			8.0					
JL03-11			7.5					
JL03-12			7.5					
JL03-13			7.5					
JL03-14			NA					Wooded
JL03-15			NA					Wooded
JL03-16			NA					Wooded
JL03-17			NA					Wooded
JL03-18			7.5		Y			
JL03-19			7.5					
JL03-20			7.5					
JL03-21			6.5					
JL03-22			7.0					
JL03-23			7.0					
JL03-24			NA					Wooded
JL03-25	7-11-94	2B	NA	N	N	NA	NA	Wooded
JM03	7-11-94	2B	7.0	N	Y	NA	NA	Wooded Area
JA04								
JA04-01	7-12-94	2A	4.5	N	N	NA	NA	
JA04-02			5.0					
JA04-03			6.0					
JA04-04			6.0					

FIDLER SURVEY

AOC J

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
JA04-05	7-12-94	ZA	5.0	N	N	NA	NA	
JA04-06			6.0					
JA04-07			6.0					
JA04-08			6.0					
JA04-09			5.0					
JA04-10			5.0					
JA04-11			5.0					
JA04-12			4.5					
JA04-13			5.0					
JA04-14			6.5					
JA04-15			7.0					
JA04-16			6.0					
JA04-17			6.0					
JA04-18			7.5					
JA04-19			7.0					
04-20			6.5					
JA04-21			7.0					
JA04-22			7.0					
JA04-23			7.0					
JA04-24			6.5					
JA04-25	7-12-94	ZA	6.5	N	N	NA	NA	
JB04								
JB04-01	7-11-94	ZA	5.0	N	N	NA	NA	
JB04-02			4.0					
JB04-03			5.5					
JB04-04			5.5					
JB04-05			5.5					
JB04-06			6.5					
JB04-07			6.0					
JB04-08			4.5					
B04-09			4.5					
04-10			5.0					
JB04-11			5.5					

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FIDLER SURVEY

AOC J

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
JB04-12	7-11-94	2A	4.5	N	N	NA	NA	
JB04-13			5.0					
JB04-14			6.5					
JB04-15			6.5					
JB04-16			6.5					
JB04-17			6.0					
JB04-18			6.0					
JB04-19			7.0					
JB04-20			6.5					
JB04-21			6.5					
JB04-22			6.5					
JB04-23			7.0					
JB04-24			6.5					
JB04-25			6.0					
JC04								
JC04-01	7-11-94	2A	6.0	N	N	NA	NA	
JC04-02			5.5					
JC04-03			5.5					
JC04-04			5.5					
JC04-05			5.5					
JC04-06			6.0					
JC04-07			5.0					
JC04-08			6.0					
JC04-09			6.5					
JC04-10			6.0					
JC04-11			5.5					
JC04-12			6.0					
JC04-13			6.0					
JC04-14			6.5					
JC04-15			6.0					
JC04-16			~~6.5~~ 7.0					
JC04-17			~~6.0~~ 7.0					
JC04-18			7.0					

FIDLER SURVEY

AOC J

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
JC04-19	7-11-94	ZA	7.0	N	~~Y~~ N	NA	NA	
JC04-20			6.5		N ~~Y~~			
JC04-21			6.0		N			
JC04-22			6.0		N			
JC04-23			6.5		N ~~Y~~			
JC04-24			7.0		Y			
JC04-25			6.5		Y			
JD04								
JD04-01	7-11-94	ZA	5.0	N	N	NA	NA	
JD04-02			5.5					
JD04-03			6.0					
JD04-04			7.0		N Y			
JD04-05			7.0		N Y			
JD04-06			6.5		Y			
JD04-07			6.5		Y			
JD04-08			6.5		Y			
JD04-09			6.0		N			
JD04-10			6.0		N			
JD04-11			6.5		Y N			
JD04-12			7.0		Y			
JD04-13			6.5		Y			
JD04-14			6.5		Y			
JD04-15			6.5		Y			
JD04-16			7.0		Y			
JD04-17			7.0		Y			
JD04-18			7.0		Y			
JD04-19			6.5		Y			
JD04-20			7.0		Y			
JD04-21			7.0		Y			
JD04-22			6.5		Y			
JD04-23			6.0		N			
JD04-24			6.5		Y N			
JD04-25			6.5		Y			

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FIDLER SURVEY

A of J

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
JE04								
JE04-01	7-11-94	2A	6.5	N	N	NA	NA	
JE04-02			6.5		N			
JE04-03			5.5		N			
JE04-04			5.5		N			
JE04-05			5.0		N			
JE04-06			5.5		N			
JE04-07			5.5		N			
JE04-08			6.5		N			
JE04-09			7.0		N			
JE04-10			7.0		N			
JE04-11			6.5		N			
JE04-12			7.0		N			
JE04-13			6.5		N			
JE04-14			6.0		N			
JE04-15			5.5		N			
JE04-16			7.0		N			
JE04-17			7.0		N			
JE04-18			6.5		N			
JE04-19			6.5		N			
JE04-20			7.0		N			
JE04-21			6.5		N			
JE04-22			6.5		N			
JE04-23			6.5		N			
JE04-24			6.5		N			
JE04-25			7.0		N			
JF04	7/7/94	2B	6.5	N	N	NA	NA	wooded
JF04-01								
JF04-02								
JF04-03			JPH 8/16/94					
JF04-04								
JF04-05								

FIDLER SURVEY

AOC 3

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

ATION ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
F04-06								
F04-07								
F04-08								
F04-09								
F04-10								
F04-11								
F04-12								
F04-13								
F04-14								
F04-15								
F04-16								
F04-17								
F04-18								
F04-19								
F04-20								
04-21								
04-22								
F04-23								
F04-24								
F04-25								
JG04	7/7/94	2B	4.5	N	N	NA	NA	wooded
JG04-01								
JG04-02								
JG04-03								
JG04-04								
JG04-05								
JG04-06								
JG04-07								
JG04-08								
JG04-09								
JG04-10								
-11								
JG04-12								

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FIDLER SURVEY

AOC

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	COMME
JG04-13								
JG04-14								
JG04-15								
JG04-16								
JG04-17								
JG04-18								
JG04-19								
JG04-20			JPH 8/16/94					
JG04-21								
JG04-22								
JG04-23								
JG04-24								
JG04-25								
JH04	7/2/94	2B	4.5	N	N	NA	NA	wooded
JH04-01								
JH04-02								
JH04-03								
JH04-04								
JH04-05								
JH04-06								
JH04-07								
JH04-08								
JH04-09								
JH04-10								
JH04-11			JPH					
JH04-12			8/16/94					
JH04-13								
JH04-14								
JH04-15								
JH04-16								
JH04-17								
JH04-18								
JH04-19								

FIDLER SURVEY

AOC J

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
JH04-20								
JH04-21								
JH04-22								
JH04-23								
JH04-24			JH 8/16/94					
JH04-25								
JI04	7/7/94	2B	7.5	N	N	NA	NA	wooded
JI04-01								
JI04-02								
JI04-03								
JI04-04								
JI04-05								
JI04-06								
JI04-07								
04-08								
JI04-09								
JI04-10								
JI04-11								
JI04-12								
JI04-13								
JI04-14								
JI04-15								
JI04-16								
JI04-17								
JI04-18			JH 8/16/94					
JI04-19								
JI04-20								
JI04-21								
JI04-22								
JI04-23								
JI04-24								
04-25								

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FIDLER SURVEY

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

PROJECT N

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMM
JJ04	7/7/94	ZB	6.5	N	N	NA	NA	wooded
JJ04-01								
JJ04-02								
JJ04-03								
JJ04-04								
JJ04-05								
JJ04-06								
JJ04-07								
JJ04-08								
JJ04-09								
JJ04-10								
JJ04-11								
JJ04-12								
JJ04-13								
JJ04-14								
JJ04-15								
JJ04-16								
JJ04-17								
JJ04-18								
JJ04-19								
JJ04-20								
JJ04-21								
JJ04-22								
JJ04-23								
JJ04-24								
JJ04-25								
			~~9.5~~ CP 7/7					
JK04	7/7/94	ZB	9.5	N	N	NA	NA	
JK04-01	SB 7/13/94	Z	10.0	N	N	NA	NA	CP 7/13
JK04-02			CP 7/13/94 ~~10.5~~					~~WOODED~~
JK04-03	7/13/94	Z	10.0	N	N	NA	NA	SB 7-14-94
JK04-04			10.5					SB 7-14-94
JK04-05			8.5					SB 7-14-94
JK04-06			8.5					SB 7-14-94

FIDLER SURVEY

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AOC J

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

[illegible]ON [illegible]ND	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JK04-07	SB 7-14-94	2	10.5	N	N	NA	NA	~~MOWED AREA~~
JK04-08	SB 7-14-94	↓	10.5	↓	↓	↓	↓	
JK04-09							SB 7-14	~~MOWED AREA~~
JK04-10								
JK04-11								
JK04-12								
JK04-13	7/13/94	2	11.0	N	N	NA	NA	SB 7-14-94
JK04-14			10.0					SB 7-14-94
JK04-15			8.0					SB 7-14-94
JK04-16			8.0					SB 7-14-94
JK04-17			8.5					SB 7-14-94
JK04-18			10.5					SB 7-14-94
JK04-19							SB 7-14	~~MOWED AREA~~
JK04-20								
JK04-21								
[illegible]22								
JK04-23	7/13/94	2	10.0	N	N	NA	NA	SB 7-14-94
JK04-24			8.5					SB 7-14-94
JK04-25			9.5					SB 7-14-94
JL04	7/7/94	2B	9.0	N	N	NA	NA	
JL04-01	7/5/94	2	9.0	N	N	NA	NA	
JL04-02	7/5/94	2	9.0	N	N	NA	NA	
JL04-03								
JL04-04								
JL04-05								
JL04-06			GPH 8/16/94					
JL04-07								
JL04-08								
JL04-09	7/5/94	2	9.0	N	N	NA	NA	
JL04-10	7/5/94	2	9.0	N	N	NA	NA	
JL04-11	7/5/94	2	9.0	N	N	NA	NA	
[illegible]12	7/5/94	2	9.0	N	N	NA	NA	
JL04-13	No entry	GPH 8/16/94						

7/13 CP

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FIDLER SURVEY

AOC J

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
JL04-14								wooded
JL04-15								
JL04-16								
JL04-17								
JL04-18								
JL04-19	7/5/94	2	8.5	N	N	NA	NA	
JL04-20	7/5/94	2	9.5	N	~~N~~ Y	NA	NA	
JL04-21								wooded
JL04-22								
JL04-23								
JL04-24								
JL04-25								
								SB 7-5-94
JM04	7-5-94	2	11.0	N	~~N~~ Y	NA	NA	
JA05	~~7-11-94~~	~~2~~	~~6.5~~	~~N~~	~~N~~	~~NA~~	~~NA~~	SB 7-11-94
JA05-01	7-11-94	2B	6.5	N	~~N~~ Y	NA	NA	
JA05-02			SB 7-11 ~~7.0~~ 6.5		+ Y			
JA05-03			SB 7-11 ~~6.5~~ 7.0		+ Y			
JA05-04			6.5		+ Y			
JA05-05			6.5		+			
JA05-06			7.0		+			
JA05-07			7.0		+			
JA05-08			7.5		+			
JA05-09			7.0		+			
JA05-10			7.5		+			
JA05-11			6.5		+			
JA05-12			6.5		+			
JA05-13			7.0		+			
JA05-14			7.0		+			
JA05-15			6.5		+			
JA05-16			6.5		+			
JA05-17			7.5		+			

FIDLER SURVEY

AOC J

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
JA05-18	7-11-94	2 B	6.5	N	~~Y~~ N	NA	NA	
JA05-19			7.0					
JA05-20			7.0					
JA05-21			6.5					
JA05-22			7.0					
JA05-23			7.0					
JA05-24			6.5					
JA05-25			7.5					
JC3								
JJB05								
JB05-01	7-11-94	2 B	7.0	N	~~Y~~ N	NA	NA	
JB05-02			6.5					
JB05-03			6.5					
JB05-04			6.5					
JB05-05			7.0					
JB05-06			7.0					
JB05-07			7.0					
JB05-08			7.0					
JB05-09			7.0					
JB05-10			6.5					
JB05-11			~~7.1 6.5~~ 7.0					
JB05-12			6.5					
JB05-13			6.0					
JB05-14			6.5					
JB05-15			6.5					
JB05-16			7.0					
JB05-17			7.0					
JB05-18			7.0					
JB05-19			7.5					
JB05-20			7.0					
JB05-21			7.5					
JB05-22			7.5					
JB05-23			7.5					
JB05-24			6.5					

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FIDLER SURVEY

AOC J

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
JB05-25	7-11-94	ZB	6.5	N	~~N~~ Y	NA	NA	
JC05								
JC05-01	7-11-94	ZB	6.5	N	~~N~~ Y	NA	NA	
JC05-02			6.5		—			
JC05-03			6.5		—			
JC05-04			6.5		—			
JC05-05			6.5		—			
JC05-06			6.5		—			
JC05-07			6.5		—			
JC05-08			6.5		—			
JC05-09			7.0		—			
JC05-10			6.5		—			
JC05-11			6.5		—			
JC05-12			6.0	~~N~~ static	— N			
JC05-13			6.5		— Y			
JC05-14			6.5		—			
JC05-15			6.5		—			
JC05-16			6.0	~~N~~ static	— N			
JC05-17			6.5		— Y			
JC05-18			6.0	~~N~~ static	— N			
JC05-19			6.5		— Y			
JC05-20			7.0		— N			
JC05-21			6.5		— Y			
JC05-22			7.0		—			
JC05-23			6.5		—			
JC05-24			7.0		—			
JC05-25			7.0		—			
JD05	—							
JD05-01	7-11-94	ZB	6.5	N	Y ~~N~~	NA	NA	
JD05-02			6.5		Y —			
JD05-03			7.0		Y —			
JD05-04			7.0		Y ~~N~~			

FIDLER SURVEY

AOC J

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
JD05-05	7-11-94	2B	7.5	N	Y ~~N~~	NA	NA	
JD05-06			7.0		+			
JD05-07			7.0		+			
JD05-08			6.5		+			
JD05-09			6.5		+			
JD05-10			7.0		+			
JD05-11			7.5		+			
JD05-12			7.0		+			
JD05-13			7.5		+			
JD05-14			7.0		+			
JD05-15			6.5		+			
JD05-16			7.5		+			
JD05-17			7.0		+			
JD05-18			6.5		+			
JD05-19			6.5		+			
JD05-20			7.0		+			
JD05-21			7.0		+			
JD05-22			6.5		+			
JD05-23			7.0		+			
JD05-24			7.0		+			
JD05-25			6.5					
JE05	~~7-11-94~~	~~2~~	~~7.5~~	~~N~~	SB 7-11-94			
JE05-01	7-11-94	2B	SB 7-11-94 7.5	N	Y ~~N~~	NA	NA	
JE05-02			SB 7-11-94 8.5		+			
JE05-03			SB 7-11-94 7.5		+			
JE05-04			SB 7-11-94 7.5		+			
JE05-05			6.5		+			
JE05-06			7.5		+			
JE05-07			8.0		+			
JE05-08			8.0		+			
JE05-09			7.5		+			
JE05-10			7.0		+			
JE05-11			7.5					

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FIDLER SURVEY

AOC J

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 3488

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JE05-12	7-11-94	ZB	7.5	N	~~N~~ Y	NA	NA	
JE05-13			7.5		+			
JE05-14			SB 7-11 ~~7.5~~ 7.0		+			
JE05-15			7.0		+			
JE05-16			7.0		+			
JE05-17			7.6		+			
JE05-18			8.0		+			
JE05-19			8.0		+			
JE05-20			7.5		+			
JE05-21			7.5		+			
JE05-22			8.0		+			
JE05-23			7.5		+			
JE05-24			7.5		+			
JE05-25			7.0		+			
JF05	7/7/94	ZB	6.5	N	N	NA	NA	wooded
JF05-01								
JF05-02								
JF05-03								
JF05-04								
JF05-05								
JF05-06								
JF05-07								
JF05-08								
JF05-09								
JF05-10								
JF05-11								
JF05-12								
JF05-13								
JF05-14								
JF05-15								
JF05-16								
JF05-17								
JF05-18								

gpk 7/8/94

FIDLER SURVEY

AOC J

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
JF05-19								
JF05-20								
JF05-21								
JF05-22								
JF05-23								
JF05-24								
JF05-25								
JJG05	7/7/94	ZB	4.5	N	N	NA	NA	wooded
JJG05-01								
JJG05-02								
JJG05-03								
JJG05-04								
JJG05-05								
JJG05-06								
JJG05-07								
JJG05-08								
JJG05-09								
JJG05-10								
JJG05-11								
JJG05-12								
JJG05-13								
JJG05-14								
JJG05-15								
JJG05-16								
JJG05-17								
JJG05-18								
JJG05-19								
JJG05-20								
JJG05-21								
JJG05-22								
JJG05-23								
JJG05-24								
JJG05-25								

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FIDLER SURVEY

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

AOC

PROJECT NO

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMM
JH05	7/7/94	2B	5.0	N	N	NA	NA	wooded
JH05-01								
JH05-02								
JH05-03								
JH05-04								
JH05-05								
JH05-06								
JH05-07								
JH05-08								
JH05-09								
JH05-10								
JH05-11								
JH05-12								
JH05-13			JPH 8/16/94					
JH05-14								
JH05-15								
JH05-16								
JH05-17								
JH05-18								
JH05-19								
JH05-20								
JH05-21								
JH05-22								
JH05-23								
JH05-24								
JH05-25								
JI05	7/7/94	2B	8.5	N	N	NA	NA	wooded
JI05-01								
JI05-02								
JI05-03			JPH 8/16/94					
JI05-04								
JI05-05								

FIDLER SURVEY

AOC J

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
JI05-06								
JI05-07								
JI05-08								
JI05-09								
JI05-10								
JI05-11								
JI05-12								
JI05-13								
JI05-14								
JI05-15								
JI05-16								
JI05-17			GPH 8/16/94					
JI05-18								
JI05-19								
JI05-20								
JI05-21								
JI05-22								
JI05-23								
JI05-24								
JI05-25								
JJ05	7/7/94	2B	6.5	N	N	NA	NA	wooded
JJ05-01								
JJ05-02								
JJ05-03								
JJ05-04								
JJ05-05								
JJ05-06								
JJ05-07			GPH 8/16/94					
JJ05-08								
JJ05-09								
JJ05-10								
JJ05-11								
JJ05-12								

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FIDLER SURVEY

AOC

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	COMMENTS
JJ05-13								
JJ05-14								
JJ05-15								
JJ05-16								
JJ05-17								
JJ05-18								
JJ05-19								
JJ05-20								
JJ05-21			8/16/94					
JJ05-22								
JJ05-23								
JJ05-24								
JJ05-25								
	7/7/94							
JK05	~~7/6/94~~	23	8.5	N	N	NA	NA	
JK05-01							SB 7-14-94	MOVED AW
JK05-02								
JK05-03	~~7/13/94~~	2	9.0	N	N	NA	NA	SB 7-14-94
JK05-04			8.0					SB 7-14-94
JK05-05			10.0					SB 7-14-94
JK05-06			10.0					SB 7-14-94
JK05-07			7.0					SB 7-14-94
JK05-08			9.0					SB 7-14-94
JK05-09							SB 7-14	MOVED AW
JK05-10								
JK05-11								
JK05-12								
JK05-13	~~7/13/94~~	2	9.5	N	N	NA	NA	SB 7-14-94
JK05-14			6.5					SB 7-14-94
JK05-15			9.0					SB 7-14-94
JK05-16	~~7/13/94~~	2	10.0	N	N	NA	NA	SB 7-14-94
JK05-17			8.0					SB 7-14-94
JK05-18			9.5					SB 7-14-94
JK05-19							SB 7-14	MOVED AW

FIDLER SURVEY

AOC J

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
JK05-20							SB 7-14	~~WOODED AREA~~
JK05-21								↓
JK05-22	~~7/13/94~~	~~2~~	~~8.0~~	~~N~~	~~N~~	~~NA~~	~~NA~~	SB 7-14-94
JK05-23	~~↓~~	~~↓~~	~~9.5~~	~~↓~~	~~↓~~	~~↓~~	~~↓~~	SB 7-14-94
JK05-24							SB 7-14	~~TRAILER~~
JK05-25	~~7/13/94~~	~~2~~	~~9.0~~	~~N~~	~~N~~	~~NA~~	~~NA~~	SB 7-14-94
JL05	7-5-94	2	9.5	N	~~Y-NA~~	NA	NA	wooded
JL05-01					JA 5-12-95			
JL05-02								
JL05-03								
JL05-04								
JL05-05								
JL05-06								
JL05-07								
JL05-08								
JL05-09								
JL05-10								
JL05-11								
JL05-12			JPH 8/16/94					
JL05-13								
JL05-14								
JL05-15								
JL05-16								
JL05-17								
JL05-18								
JL05-19								
JL05-20								
JL05-21								
JL05-22								
JL05-23								
JL05-24								
JL05-25								

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FIDLER SURVEY

AOC J

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
JM05	7-5-94	2	11	N	~~Y~~	NA	NA	
JA06	7-11-94	2B	6.5	N	~~N~~ Y	NA	NA	
JA06-01			6.5		+			
JA06-02			6.5		+			
JA06-03			7.0		+			
JA06-04			7.5		+			
JA06-05			7.5		+			
JA06-06			7.5		+			
JA06-07			6.5		+			
JA06-08			6.5		+			
JA06-09			7.0		+			
JA06-10			7.0		+			
JA06-11			7.0		+			
JA06-12			6.5		+			
JA06-13			7.0		+			
JA06-14			7.0		+			
JA06-15			7.0		+			
JA06-16			7.0		+			
JA06-17			7.0		+			
JA06-18			6.5		+			
JA06-19			6.5		+			
JA06-20			6.0		+ N			
JA06-21			5.0		+ N			
JA06-22			6.5		+ Y			
JA06-23			7.0		+			
JA06-24			7.0					
JA06-25	7-11-94	2B	7.0	N	~~N~~ Y	NA	NA	
JB06								
JB06-01	7-11-94	2B	7.5	N	~~N~~ Y	NA	NA	
JB06-02			7.0		Y			
JB06-03			7.0		Y			

FIDLER SURVEY

AOC J

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
JB06-04	7-11-94	2B	7.0	N	~~N~~ +	NA	NA	
JB06-05			7.0		–			
JB06-06			7.0		+			
JB06-07			7.5		+			
JB06-08			7.5		+			
JB06-09			7.0		+			
JB06-10			7.5		+			
JB06-11			7.0		+			
JB06-12			7.0		+			
JB06-13			7.5		+			
JB06-14			6.5		+			
JB06-15			7.0		+			
JB06-16			7.0		+			
JB06-17			7.5		+			
JB06-18			7.5		+			
JB06-19			7.5		+			
JB06-20			7.0		+			
JB06-21			7.5		+			
JB06-22			6.5		+			
JB06-23			6.5		+			
JB06-24			7.0		+			
JB06-25	7-11-94	2B	6.5	N	~~N~~ +	NA	NA	
	SB 7-11-94							
JC06								
JC06-01	7-11-94	2B	6.5	N	~~N~~ +	NA	NA	
JC06-02			6.5		+			
JC06-03			6.5		+			
JC06-04			6.5		+			
JC06-05			6.5		+			
JC06-06			6.5		+			
JC06-07			6.5		+			
JC06-08			6.5		+			
JC06-09			6.5		+			
JC06-10			6.5		+			

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FIDLER SURVEY

AOC J

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
JC06-11	7-11-94	ZB	6.5	N	1st ~~N~~ Y	NA	NA	
JC06-12			6.5		SB 7-11 +			
JC06-13			6.5		+			
JC06-14			6.5		+			
JC06-15			6.0		+			
JC06-16			7.0		+			
JC06-17			6.5		+			
JC06-18			6.5		+			
JC06-19			6.5		+			
JC06-20			6.5		+			
JC06-21			7.0		+			
JC06-22			7.0		+			
JC06-23			7.5		+			
JC06-24			6.5		+			
JC06-25	7-11-94	ZB	6.5	SB 7-11 ~~N~~	~~N~~	NA	NA	
JD06								
JD06-01	7-11-94	ZB	6.5	N	~~N~~ Y	NA	NA	
JD06-02			6.5		SB 7-11 +			
JD06-03			6.5		+			
JD06-04			6.5		+			
JD06-05			7.5		+			
JD06-06			7.0		+			
JD06-07			7.0		+			
JD06-08			7.0		+			
JD06-09			7.0		+			
JD06-10			6.5		+			
JD06-11			6.5		+			
JD06-12			6.5		+			
JD06-13			6.5		+			
JD06-14			7.0		+			
JD06-15			7.0		+			
JD06-16			6.5		+			
JD06-17			6.5		+			

FIDLER SURVEY

AOC J

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
JD06-18	7-11-94	2B	7.0	N	~~N~~ Y	NA	NA	
JD06-19			6.5					
JD06-20			7.0					
JD06-21			6.5					
JD06-22			7.0					
JD06-23			6.5					
JD06-24			6.0		N			
JD06-25	7-11-94	2B	6.5	N	~~N~~ Y	NA	NA	
JE06	~~7-11-94~~	~~2~~	~~6.5~~	~~N~~	~~N~~	~~NA~~	~~NA~~	SB 7-11-94
JE06-01	7-11-94	2B	6.5	N	~~N~~ Y	NA	NA	
JE06-02			~~7.0~~ 6.5					
JE06-03			7.0					
JE06-04			7.0					
JE06-05			7.0					
JE06-06			6.5					
JE06-07			7.0					
JE06-08			7.0					
JE06-09			7.0					
JE06-10			7.0					
JE06-11			7.0					
JE06-12			7.0					
JE06-13			7.0					
JE06-14			7.5					
JE06-15			7.0		N			
JE06-16			10.0			SE		
JE06-17			7.5		N Y	NA	NA	
JE06-18			7.5					
JE06-19			7.0					
JE06-20			7.0					
JE06-21			6.5					
JE06-22			4.0		N			
JE06-23			7.0		Y			
JE06-24			7.5		Y			

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FIDLER SURVEY

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

AOC J

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JE06-25	7-11-94	2B	7.5	N	~~N~~ Y	NA	NA	
					8-4-95			
JF06	7-7-94	2B	7.0	N	N	NA	NA	wooded
JF06-01								
JF06-02								
JF06-03								
JF06-04								
JF06-05								
JF06-06								
JF06-07								
JF06-08								
JF06-09								
JF06-10								
JF06-11								
JF06-12			JPH 8/16/94					
JF06-13								
JF06-14								
JF06-15								
JF06-16								
JF06-17								
JF06-18								
JF06-19								
JF06-20								
JF06-21								
JF06-22								
JF06-23								
JF06-24								
JF06-25								
JG06	7-7-94	2B	5.0	N	N	NA	NA	wooded
JG06-01								
JG06-02								
JG06-03			JPH 8/16/94					
JG06-04								

FIDLER SURVEY

ROC J

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

GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JG06-05								
JG06-06								
JG06-07								
JG06-08								
JG06-09								
JG06-10								
JG06-11								
JG06-12								
JG06-13								
JG06-14								
JG06-15								
JG06-16								
JG06-17								
JG06-18								
JG06-19								
JG06-20								
JG06-21								
JG06-22								
JG06-23								
JG06-24								
JG06-25								
JH06	7-7-94	ZB	8.0	N	N	NA	NA	wooded
JH06-01								
JH06-02								
JH06-03								
JH06-04								
JH06-05								
JH06-06								
JH06-07								
JH06-08								
JH06-09								
JH06-10								
JH06-11								

JPH 8/16/94

JPH 8/16/94

Arc. 71

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FIDLER SURVEY

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JH06-12								
JH06-13								
JH06-14								
JH06-15								
JH06-16								
JH06-17								
JH06-18			JPH 8/16/94					
JH06-19								
JH06-20								
JH06-21								
JH06-22								
JH06-23								
JH06-24								
JH06-25								
	SB 7-7-94							
JI06	~~7/6/94~~	ZB	8.5	N	N	NA	NA	wooded
JI06-01								
JI06-02								
JI06-03								
JI06-04								
JI06-05								
JI06-06								
JI06-07								
JI06-08								
JI06-09								
JI06-10			JPH 8/16/94					
JI06-11								
JI06-12								
JI06-13								
JI06-14								
JI06-15								
JI06-16								
JI06-17								
JI06-18								

FIDLER SURVEY

AOC J

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

TION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JI06-19								
JI06-20								
JI06-21								
JI06-22								
JI06-23								
JI06-24								
JI06-25								
JJ06	7-7-94	ZB	7.0	N	N	NA	NA	wooded
JJ06-01								
JJ06-02								
JJ06-03								
JJ06-04								
JJ06-05								
JJ06-06								
JJ06-07								
JJ06-08								
JJ06-09								
JJ06-10								
JJ06-11								
JJ06-12								
JJ06-13								
JJ06-14								
JJ06-15								
JJ06-16								
JJ06-17								
JJ06-18								
JJ06-19								
JJ06-20								
JJ06-21								
JJ06-22								
JJ06-23								
JJ06-24								
JJ06-25								

Arc 71

1 TU

FIDLER SURVEY

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMEN
JK06	7-7-94	2B	9.5	N	N	NA	NA	wooded
JK06-01								
JK06-02								
JK06-03								
JK06-04								
JK06-05								
JK06-06								
JK06-07								
JK06-08								
JK06-09								
JK06-10								
JK06-11								
JK06-12								
JK06-13								
JK06-14								
JK06-15								
JK06-16			JPH 8/16/94					
JK06-17								
JK06-18								
JK06-19								
JK06-20								
JK06-21								
JK06-22								
JK06-23								
JK06-24								
JK06-25								
JL06								
JL06-01	7-6-94	2B	10.0	N	N	NA	NA	
JL06-02	7-6-94	2B	10.0	N	N	NA	NA	
JL06-03								wooded area
JL06-04		JPH 8/16/94						wooded area
JL06-05								wooded area

FIDLER SURVEY

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JL06-06								wooded area
JL06-07								wooded area
JL06-08	7-6-94	2B	9.5	N	N	NA	NA	
JL06-09			8.5					
JL06-10			8.0					
JL06-11			10.0					
JL06-12	7-6-94	2B	9.5	N	N	NA	NA	
JL06-13								wooded area
JL06-14								wooded area
JL06-15								wooded area
JL06-16	7-6-94	2B	9.5	N	N	NA	NA	
JL06-17			9.0					
JL06-18			9.0					
JL06-19			9.5					
JL06-20			10.0					
JL06-21			9.0					
JL06-22			8.0					
JL06-23			10.0					
JL06-24			10.0					
JL06-25	7-6-94	2B	8.5	N	N	NA	NA	
JM06	7/6/94	2B	12.0	N	N	NA	NA	
JA07								
JA07-01	7/11/94	2B	5.0	N	N	NA	NA	
JA07-02			5.0					
JA07-03			6.0					
JA07-04			6.0					
JA07-05			6.5		4.5 — Y			
JA07-06			6.5		— Y			
JA07-07			6.5		— Y			
JA07-08			6.0					
JA07-09	7/11/94	2	5.0	N	N	NA	NA	

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FIDLER SURVEY

AOC J

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
JA07-10	7-11-94	2B	5.0	N	N	NA	NA	
JA07-11			4.5					
JA07-12			6.0					
JA07-13			6.0					
JA07-14			6.5		Y			
JA07-15			7.0		Y			
JA07-16			6.5		Y			
JA07-17			6.0					
JA07-18			6.0					
JA07-19			4.0					
JA07-20			NA					under trailer
JA07-21			NA					under trailer
JA07-22			4.0					
JA07-23			6.0					
JA07-24			6.0					
JA07-25	7-11-94	2B	6.5	N	Y	NA	NA	
JB07								
JB07-01	7-11-94	2B	6.0	N	N	NA	NA	
JB07-02			6.0					
JB07-03			6.0					
JB07-04			5.5					
JB07-05			6.0					
JB07-06			6.0					
JB07-07			6.0					
JB07-08			6.0					
JB07-09			6.5		Y			
JB07-10			6.5		Y			
JB07-11			6.5		Y			
JB07-12			6.0		N			
JB07-13			5.5					
JB07-14			6.0					
JB07-15			6.0					
JB07-16	7/11/94	2B	6.5	N	Y	NA	NA	

SA-11

FIDLER SURVEY

AOC J

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
JB07-17	7-11-94	2B	6.5	N	~~N~~ Y	NA	NA	
JB07-18			6.0		5/12/94 N			
JB07-19			6.5		Y			
JB07-20			6.5					
JB07-21			7.0					
JB07-22			6.5					
JB07-23			7.0					
JB07-24			6.5					
JB07-25	7/11/94	2B	7.0	N	N	NA	NA	
JC07								
JC07-01	7-11/94	2B	5.0	N	N	NA	NA	
JC07-02			5.5					
JC07-03			6.0					
JC07-04			6.5		9/14/94 Y			
JC07-05			6.0		9/1/94 N			
JC07-06			6.0					
JC07-07			6.5					
JC07-08			6.0					
JC07-09			6.0					
JC07-10			6.0					
JC07-11			5.5					
JC07-12			6.0					
JC07-13			6.0					
JC07-14			6.0					
JC07-15			6.0					
JC07-16			6.0					
JC07-17			6.0					
JC07-18			6.0					
JC07-19			6.0					
JC07-20			6.0					
JC07-21			6.0					
JC07-22			6.0					
JC07-23	7/11/94	2B	6.0	N	N	NA	NA	

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FIDLER SURVEY

AOC J

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
JC07-24	7/11/94	2B	6.0	N	N	NA	NA	
JC07-25	7/11/94	2B	6.0	N	N	NA	NA	
JD07								
JD07-01	7/11/94	2B	6.0	N	N	NA	NA	
JD07-02			6.5		Y			
JD07-03			5.0		N			
JD07-04			5.5					
JD07-05			6.0					
JD07-06			6.0					
JD07-07			6.0					
JD07-08			6.0					
JD07-09			6.5		Y			
JD07-10			6.0		N			
JD07-11			6.0					
JD07-12			6.0					
JD07-13			6.0					
JD07-14			6.0					
JD07-15			6.0					
JD07-16			6.0					
JD07-17			6.0					
JD07-18			6.0					
JD07-19			6.0					
JD07-20			6.0					
JD07-21			6.0					
JD07-22			6.5		Y			
JD07-23			5.5		N			
JD07-24			6.0		N			
JD07-25	7/11/94	2B	6.5	N	Y	NA	NA	
JE07								
JE07-01	7/11/94	2B	6.0	N	N	NA	NA	
JE07-02	7/11/94	2B	5.5	N	N	NA	NA	
JE07-03	7/11/94	2B	6.0	N	N	NA	NA	

FIDLER SURVEY

AOC J

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
JE07-04	7/11/94	2B	6.5	N	Y ~~N~~	NA	NA	
JE07-05			6.5		Y —			
JE07-06			6.5		Y —			
JE07-07			6.5		Y —			
JE07-08			6.5		Y —			
JE07-09			6.0		N			
JE07-10			6.0					
JE07-11			6.0					
JE07-12			6.0					
JE07-13			6.0					
JE07-14			6.5		Y —			
JE07-15			6.0		N			
JE07-16			6.0					
JE07-17			6.0					
JE07-18			6.0					
JE07-19			6.5		Y —			
JE07-20			6.0		N			
JE07-21			6.0					
JE07-22			6.0					
JE07-23			6.0					
JE07-24			6.0					
JE07-25	7-11/94	2B	6.0	N	N	NA	NA	
JF07	7-7-94	2B	7.5	N	N	NA	NA	wooded
JF07-01								
JF07-02								
JF07-03								
JF07-04			JPH 8/16/94					
JF07-05								
JF07-06								
JF07-07								
JF07-08								
JF07-09								
JF07-10								

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AOC

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	COMME
JF07-11								
JF07-12								
JF07-13								
JF07-14								
JF07-15								
JF07-16								
JF07-17								
JF07-18								
JF07-19								
JF07-20								
JF07-21								
JF07-22								
JF07-23								
JF07-24								
JF07-25								
JG07	7-7-94	ZB	8.0	N	N	NA	NA	wooded
JG07-01								
JG07-02								
JG07-03								
JG07-04								
JG07-05								
JG07-06								
JG07-07								
JG07-08								
JG07-09								
JG07-10								
JG07-11								
JG07-12								
JG07-13								
JG07-14								
JG07-15								
JG07-16								
JG07-17								

JPH 8/16/94

FIDLER SURVEY

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AOC I

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
JG07-18								
JG07-19								
JG07-20								
JG07-21								
JG07-22								
JG07-23								
JG07-24								
JG07-25								
JH07	7-7-94	23	75	N	N	NA	NA	wooded
JH07-01								
JH07-02								
JH07-03								
JH07-04								
JH07-05								
JH07-06								
JH07-07								
JH07-08								
JH07-09								
JH07-10								
JH07-11								
JH07-12								
JH07-13								
JH07-14								
JH07-15								
JH07-16								
JH07-17								
JH07-18								
JH07-19								
JH07-20								
JH07-21								
JH07-22								
JH07-23								
JH07-24								

JPH 3/16/99

JPH 3/16/94

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FIDLER SURVEY

AOC J

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	COMME
JH07-25	No entry		JPH 8/16/94					
JI07	7-7-94	2B	7.5	N	N	NA	NA	wooded
JI07-01								
JI07-02								
JI07-03								
JI07-04								
JI07-05								
JI07-06								
JI07-07								
JI07-08								
JI07-09								
JI07-10								
JI07-11								
JI07-12								
JI07-13								
JI07-14			JPH 8/16/94					
JI07-15								
JI07-16								
JI07-17								
JI07-18								
JI07-19								
JI07-20								
JI07-21								
JI07-22								
JI07-23								
JI07-24								
JI07-25								
JJ07	7-7-94	2B	8.5	N	N	NA	NA	wooded
JJ07-01								
JJ07-02								
JJ07-03			JPH 8/16/94					
JJ07-04								

FIDLER SURVEY

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AOC J

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
JJ07-05								
JJ07-06								
JJ07-07								
JJ07-08								
JJ07-09								
JJ07-10								
JJ07-11								
JJ07-12								
JJ07-13								
JJ07-14								
JJ07-15								
JJ07-16								
JJ07-17								
JJ07-18								
JJ07-19								
JJ07-20								
JJ07-21								
JJ07-22								
JJ07-23								
JJ07-24								
JJ07-25								
JK07	7-7-94	ZB	7.0	N	N	NA	NA	wooded
JK07-01								
JK07-02								
JK07-03								
JK07-04								
JK07-05								
JK07-06								
JK07-07								
JK07-08								
JK07-09								
JK07-10								
JK07-11								

PPH 8/10/94

PPH 8/10/94

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FIDLER SURVEY

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

AOC PROJECT NO.

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JK07-12								
JK07-13								
JK07-14								
JK07-15								
JK07-16								
JK07-17								
JK07-18								
JK07-19			8/11/94					
JK07-20								
JK07-21								
JK07-22								
JK07-23								
JK07-24								
JK07-25								
JL07	7-6-94	2B	8.0 SB 8.0	N	N	NA	NA	HALF OF BLDG IN WOODS
JL07-01	7/6/94	2B	CP 7/6 ~~9.0~~ SB 10.0	N	N	NA	NA	WOODS
JL07-02			CP 7/6 ~~9.0~~ 10.0 SB 7-6					~~WOODS~~
JL07-03			CP 7/6 ~~9.5~~ 9.0					SB
JL07-04			CP 7/6 ~~9.5~~ 9.0					SB
JL07-05			CP 7/6 ~~9.5~~ 10.0					SB
JL07-06			CP 7/6 ~~9.0~~ 10.0					SB 7-6
JL07-07			CP 7/6 ~~9.0~~ 9.5					SB 7-6
JL07-08			CP 7/6 ~~9.0~~ ~~9.5~~ SB 7-6					
JL07-09			CP 7/6 ~~10.0~~ ~~8.5~~ SB 7-6					
JL07-10			7/6 ~~10.0~~ CP					
JL07-11			7/6 ~~9.5~~ CP					
JL07-12			7/6 ~~9.0~~ CP					
JL07-13			CP 7/6 ~~10.0~~					WOODS
JL07-14			CP 7/6 ~~9.5~~ 10.0					SB 7-6
JL07-15			CP 7/6 ~~9.0~~ 10.0					SB 7-6
JL07-16		10.0	CP 7/6 ~~10.5~~ ~~9.5~~ SB 7-6					
JL07-17		2B	CP 7/6 ~~10.0~~ ~~9.0~~ SB 7-6					
JL07-18		2B	9.0					

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FIDLER SURVEY

AOC J

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
JL07-19	7/6/94	2B	~~7.5~~ SB 7-6-94	N	N	NA	NA	
JL07-20			~~0.0~~ SB 7-6-94					
JL07-21			~~0~~ SB 7-6-94					
JL07-22			~~0~~ SB 7-6-94					
JL07-23			~~0.0~~ SB 7-6-94					
JL07-24			~~0.0~~ SB 7-6-94					
JL07-25			10.0 ~~9.5~~ SB 7-6-94					
**	SEE PG 2	FOR	Readings of	JL07	** SB7-6			
JM07	7-6-94	2B	9.5	N	N	NA	NA	
JA08								
JA08-01	7/7/94	2A	5.0	N	N	NA	NA	
JA08-02	7/7/94	2A	7.0	N	N	NA	NA	
JA08-03			7.5					
8-04			7.5					
JA08-05			7.5					
JA08-06			7.5					
JA08-07			6.5					
JA08-08			7.0					
JA08-09			6.5					
JA08-10			5.5					
JA08-11			5.5					
JA08-12			7.0					
JA08-13			7.5					
JA08-14			7.5					
JA08-15			7.5					
JA08-16			8.0					
JA08-17			8.0 ~~7.5~~ SP 7/7/94					
JA08-18			7.5					
JA08-19			7.0					
8-20			4.0					PIPES
3-21			5.5					PIPES
JA08-22			7.0					

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FIDLER SURVEY

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

PROJECT NO: AOC

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JA08-23	7/7/94	2A	8.5	N	N	NA	NA	
JA08-24	↓	↓	7.5	↓	↓	↓	↓	
JA08-25	↓	↓	8.0	↓	↓	↓	↓	
JB08								
JB08-01	7-7-94	2A	8.5	N	N	NA	NA	
JB08-02	↓	↓	8.0	↓	↓	↓	↓	
JB08-03	↓	↓	8.5	↓	↓	↓	↓	
JB08-04	↓	↓	8.5	↓	↓	↓	↓	
JB08-05	↓	↓	8.0	↓	↓	↓	↓	
JB08-06	↓	↓	8.5	↓	↓	↓	↓	
JB08-07	↓	↓	8.5	↓	↓	↓	↓	
JB08-08	↓	↓	8.0	↓	↓	↓	↓	
JB08-09	↓	↓	8.0	↓	↓	↓	↓	
JB08-10	↓	↓	8.0	↓	↓	↓	↓	
JB08-11	↓	↓	8.0	↓	↓	↓	↓	
JB08-12	↓	↓	8.0	↓	↓	↓	↓	
JB08-13	↓	↓	8.5	↓	↓	↓	↓	
JB08-14	↓	↓	9.0	↓	↓	↓	↓	
JB08-15	↓	↓	8.5	↓	↓	↓	↓	
JB08-16	↓	↓	8.0	↓	↓	↓	↓	
JB08-17	↓	↓	8.0	↓	↓	↓	↓	
JB08-18	↓	↓	8.0	↓	↓	↓	↓	
JB08-19	↓	↓	8.5	↓	↓	↓	↓	
JB08-20	↓	↓	7.5	↓	↓	↓	↓	
JB08-21	↓	↓	7.5	↓	↓	↓	↓	
JB08-22	↓	↓	8.0	↓	↓	↓	↓	
JB08-23	↓	↓	8.5	↓	↓	↓	↓	
JB08-24	↓	↓	7.5	↓	↓	↓	↓	
JB08-25	7-7-94	2A	7.5	N	N	NA	NA	
JC08								
JC08-01	7/7/94	2A	7.5	N	N	NA	NA	
JC08-02	7/7/94	2A	7.5	N	N	NA	NA	

FIDLER SURVEY

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AOC J

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
JC08-03	7/7/94	2A	7.5	N	N	NA	NA	
JC08-04			7.0					
JC08-05			7.5					
JC08-06			8.0					
JC08-07			7.5					
JC08-08			7.5					
JC08-09			7.5					
JC08-10			8.5					
JC08-11			8.5					
JC08-12			8.5					
JC08-13			8.0					
JC08-14			7.5					
JC08-15			7.0					
JC08-16			8.5					
JC08-17			8.0					
JC08-18			8.0					
JC08-19			8.5					
JC08-20			8.0					
JC08-21			8.0					
JC08-22			8.5					
JC08-23			8.5					
JC08-24			8.5					
JC08-25			8.5					
JD08	~~7-7-94~~ SB 7-7	~~2~~ SB 7-7	~~7.5~~ SB 7-7	~~N~~ SB 7-7	~~N~~ SB 7-7	~~NA~~ SB 7-7	~~NA~~ SB 7-7	
JD08-01	7-7-94	7A	~~8.0~~ 7.5	N	N	NA	NA	
JD08-02			~~8.0~~ 8.0					
JD08-03			~~8.0~~ 7.5					
JD08-04			8.0					
JD08-05			8.0					
JD08-06			8.0					
JD08-07			7.5					
JD08-08			8.0					
JD08-09	7-7-94	2A	7.5	N	N	NA	NA	

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FIDLER SURVEY

AOC

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	COMMEN
JD08-10	7-7-94	ZA	8.0	N	N	NA	NA	
JD08-11			7.0					
JD08-12			7.0					
JD08-13			8.0					
JD08-14			8.0					
JD08-15			7.5					
JD08-16			7.5					
JD08-17			7.5					
JD08-18			8.0					
JD08-19			7.5					
JD08-20			8.0					
JD08-21			8.0					
JD08-22			7.0					
JD08-23			7.5					
JD08-24			8.0					
JD08-25	7-7-94	ZA	8.0	N	N	NA	NA	
JE08								
JE08-01	7/7/94	ZA	7.5	N	N	NA	NA	
JE08-02			8.0					
JE08-03			7.5					
JE08-04			8.0					
JE08-05			7.5					
JE08-06			7.5					
JE08-07			7.5					
JE08-08			7.5					
JE08-09			7.5					
JE08-10			7.5					
JE08-11			8.0					
JE08-12			7.5					
JE08-13			8.0					
JE08-14			7.5					
JE08-15			7.5					
JE08-16			7.5					

FIDLER SURVEY

AOC J

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
JE08-17	7/7/94	2A	8	N	N	NA	NA	
JE08-18			7.5	N				
JE08-19			7.5	N				
JE08-20			7.5					
JE08-21			7.5					
JE08-22			7.5					
JE08-23			7.0					
JE08-24			7.5					
JE08-25			7.5					
JF08	7-7-94	2A	7.5	N	N	NA	NA	
JF08-01			7.5					
JF08-02			7.5					
JF08-03			7.0					
JF08-04			7.5					
JF08-05			7.0					
JF08-06			6.5					
JF08-07			7.5					
JF08-08			7.5					
JF08-09			7.5					
JF08-10			7.5					
JF08-11			7.5					
JF08-12			7.5					
JF08-13			8.0					
JF08-14			8.0					
JF08-15			8.5					
JF08-16			8.5					
JF08-17			8.0					
JF08-18			8.0					
JF08-19			8.0					
JF08-20			7.5					
JF08-21			7.5					
JF08-22			7.5					
JF08-23	7-7-94	2A	8.0	N	N	NA	NA	

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FIDLER SURVEY

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JF08-24	7-7-94	2A	7.5	N	N	NA	NA	
JF08-25	7/7-94	2A	7.5	N	N	NA	NA	
JG08	7/6/94	2B	6.5	N	N	NA	NA	wooded area
JG08-01								
JG08-02								
JG08-03								
JG08-04								
JG08-05								
JG08-06								
JG08-07								
JG08-08								
JG08-09								
JG08-10								
JG08-11								
JG08-12								
JG08-13								
JG08-14			JPH 8/16/94					
JG08-15								
JG08-16								
JG08-17								
JG08-18								
JG08-19								
JG08-20								
JG08-21								
JG08-22								
JG08-23								
JG08-24								
JG08-25								
JH08	7/6/94	2B	5.5	N	N	NA	NA	wooded area
JH08-01								
JH08-02			JPH 8/16/94					
JH08-03								

FIDLER SURVEY

AOC J

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
JH08-04								
JH08-05								
JH08-06								
JH08-07								
JH08-08								
JH08-09								
JH08-10								
JH08-11								
JH08-12								
JH08-13								
JH08-14			JPH 8/16/94					
JH08-15								
JH08-16								
JH08-17								
JH08-18								
JH08-19								
JH08-20								
JH08-21								
JH08-22								
JH08-23								
JH08-24								
JH08-25								
JI08	7/6/94	23	70	N	N	NA	NA	wooded area
JI08-01								
JI08-02								
JI08-03								
JI08-04								
JI08-05								
JI08-06			JPH 8/16/94					
JI08-07								
JI08-08								
JI08-09								
JI08-10								

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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	COMMENTS
JI08-11								
JI08-12								
JI08-13								
JI08-14								
JI08-15								
JI08-16								
JI08-17								
JI08-18			JPH 8/16/94					
JI08-19								
JI08-20								
JI08-21								
JI08-22								
JI08-23								
JI08-24								
JI08-25								
JJ08	7/6/94	28	7.5	N	N	NA	NA	wooded area
JJ08-01								
JJ08-02								
JJ08-03								
JJ08-04								
JJ08-05								
JJ08-06								
JJ08-07								
JJ08-08								
JJ08-09								
JJ08-10			JPH 8/16/94					
JJ08-11								
JJ08-12								
JJ08-13								
JJ08-14								
JJ08-15								
JJ08-16								
JJ08-17								

FIDLER SURVEY

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AOC J

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
JJ08-18								
JJ08-19								
JJ08-20								
JJ08-21								
JJ08-22								
JJ08-23								
JJ08-24								
JJ08-25								
JK08	7/6/94	ZB	8.5	N	N	NA	NA	wooded area
JK08-01								
JK08-02								
JK08-03								
JK08-04								
JK08-05								
JK08-06								
JK08-07								
JK08-08								
JK08-09								
JK08-10								
JK08-11								
JK08-12								
JK08-13								
JK08-14								
JK08-15								
JK08-16								
JK08-17								
JK08-18								
JK08-19								
JK08-20								
JK08-21								
JK08-22								
JK08-23								
JK08-24								

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FIDLER SURVEY

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

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JK08-25	No entry JPH 8/16/94							
JL08	7-6-94	23	7.5	N	N	NA	NA	wooded area
JL08-01								
JL08-02								
JL08-03								
JL08-04								
JL08-05								
JL08-06								
JL08-07								
JL08-08								
JL08-09								
JL08-10								
JL08-11								
JL08-12								
JL08-13								
JL08-14			JPH 8/16/94					
JL08-15								
JL08-16								
JL08-17								
JL08-18								
JL08-19								
JL08-20								
JL08-21								
JL08-22								
JL08-23								
JL08-24								
JL08-25								
JM08	7-6-94	23	10.0	N	N	NA	NA	wooded area
JA09								
JA09-01	7/7/94	23	4.5	N	N	NA	NA	PIPES

FIDLER SURVEY

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AOC J

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
JA09-02	7/7/94	ZA	6.5	N	N	NA	NA	PIPES
JA09-03			7.5					
JA09-04			8.0					
JA09-05			8.5					
JA09-06			8.5					
JA09-07			8.5					
JA09-08			7.5					
JA09-09			6.5					PIPES
JA09-10			5.0					PIPES
JA09-11			6.0					PIPES
JA09-12			7.5					
JA09-13			7.5					
JA09-14			8.0					
JA09-15			8.5					
JA09-16			8.5					
JA09-17			7.5					
JA09-18			cp 9/7 ~~8.0~~ 7.0					
JA09-19			6.0					
JA09-20			6.0					
JA09-21			7.0					
JA09-22			7.5					
JA09-23			7.5					
JA09-24			7.5					
JA09-25	↓	↓	8.5	↓	↓	↓	↓	
JB09	~~7-5-94~~							
JB09-01	7-7-94	ZA	8.0	N	N	NA	NA	
JB09-02			8.5					
JB09-03			9.0					
JB09-04			8.5					
JB09-05			8.0					
JB09-06			8.0					
JB09-07	↓	↓	9.0	↓	↓	↓	↓	
JB09-08	7-7-94	ZA	8.5	N	N	NA	NA	

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FIDLER SURVEY

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

AOC J

PROJECT NO.: 34896

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JB09-09	7-7-94	2A	8.5	N	N	NA	NA	
JB09-10			9.0					
JB09-11			9.5					
JB09-12			8.0					
JB09-13			8.5					
JB09-14			8.0					
JB09-15			8.5					
JB09-16			8.5					
JB09-17			8.0					
JB09-18			9.0					
JB09-19			9.0					
JB09-20			9.0					
JB09-21			8.5					
JB09-22			9.0					
JB09-23			8.5					
JB09-24			9.0					
JB09-25	7-7-94	2A	8.5	N	N	NA	NA	
JC09								
JC09-01	7/7/94	2A	8.5	N	N	NA	NA	
JC09-02			8.5					
JC09-03			9.0					
JC09-04			9.5					
JC09-05			9.0					
JC09-06			9.0					
JC09-07			9.0					
JC09-08			9.0					
JC09-09			9.0					
JC09-10			8.5					
JC09-11			7.5					
JC09-12			8.5					
JC09-13			8.5					
JC09-14			9.5		Y ← FACILITY			
JC09-15			9.0		N			

FIDLER SURVEY

AOC J

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
JC09-16	7/7/94	2A	9.0	N	N	NA	NA	
JC09-17			9.5		Y — 1a 5-12-94			
JC09-18			9.5		Y —			
JC09-19			8.5		N — ↓			
JC09-20			8.5					
JC09-21			7.5					
JC09-22			7.5					
JC09-23			9.0					
JC09-24			9.0					
JC09-25	↓	↓	8.5	↓	↓	↓	↓	
JD09								
JD09-01	7-7-94	2A	9.0	N	N	NA	NA	
JD09-02			9.0					
JD09-03			8.0					
JD09-04			9.0					
JD09-05			8.0					
JD09-06			8.5					
JD09-07			8.5					
JD09-08			8.5					
JD09-09			9.0					
JD09-10			9.0					
JD09-11			9.5		Y — 1a 5-12-94			
JD09-12			8.5		N — ↓			
JD09-13			8.5					
JD09-14			9.0					
JD09-15			9.0					
JD09-16			9.0					
JD09-17			9.0					
JD09-18			8.5					
JD09-19			9.0					
JD09-20			9.0					
JD09-21	↓	↓	8.0	↓	↓	↓	↓	
JD09-22	7-7-94	2A	9.0	N	N	NA	NA	

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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	COMMENTS
JD09-23	7-7-94	2A	9.0	N	N	NA	NA	
JD09-24	7-7-94	2A	9.0	N	N	NA	NA	
JD09-25	7-7-94	2A	8.5	N	N	NA	NA	
JE09								
JE09-01	7/7/94	2A	8.5	N	N	NA	NA	
JE09-02			8.5					
JE09-03			8.0					
JE09-04			8.0					
JE09-05			7.5					
JE09-06			8.0					
JE09-07			7.5					
JE09-08			7.5					
JE09-09			8.0					
JE09-10			8.0					
JE09-11			8.5					
JE09-12			8.0					
JE09-13			8.0					
JE09-14			8.0					
JE09-15			8.0					
JE09-16			8.5					
JE09-17			8.0					
JE09-18			8.5					
JE09-19			9.0					
JE09-20			8.5					
JE09-21			8.0					
JE09-22			8.5					
JE09-23			8.5					
JE09-24			8.5					
JE09-25			8.5					
JF09								
JF09-01	7-7-94	~~8-7-94~~ ~~N~~ 2A	8.0	N	N	NA	NA	
JF09-02	7-7-94	2A	8.5	N	N	NA	NA	

FIDLER SURVEY

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AOC J

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
JF09-03	7-7-94	2A	8.5	N	N	NA	NA	
JF09-04			8.0					
JF09-05			8.0					
JF09-06			8.5					
JF09-07			8.5					
JF09-08			9.0					
JF09-09			8.0					
JF09-10			9.0					
JF09-11			9.0					
JF09-12			8.5					
JF09-13			~~7.0~~ 8.0					
JF09-14			7.0					
JF09-15			8.0					
JF09-16			8.0					
JF09-17			7.0					
JF09-18			8.5					
JF09-19			8.5					
JF09-20			8.5					
JF09-21			8.0					
JF09-22			9.0					
JF09-23			8.5					
JF09-24			8.5					
JF09-25	7-7-94	2A	8.5	N	N	NA	NA	
JG09	7-6-94	2B	7.5	N	N	NA	NA	wooded area
JG09-01								
JG09-02								
JG09-03								
JG09-04								
JG09-05								
JG09-06								
JG09-07								
JG09-08								
JG09-09								

JPH 8/16/94

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ZDZ

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	COMMEN
JG09-10								
JG09-11								
JG09-12								
JG09-13								
JG09-14								
JG09-15								
JG09-16								
JG09-17								
JG09-18								
JG09-19			JPH 8/10/94					
JG09-20								
JG09-21								
JG09-22								
JG09-23								
JG09-24								
JG09-25								
JH09	7-6-94	2B	6.0	N	N	NA	NA	wooded area
JH09-01								
JH09-02								
JH09-03								
JH09-04								
JH09-05								
JH09-06								
JH09-07								
JH09-08								
JH09-09								
JH09-10								
JH09-11			JPH 8/10/94					
JH09-12								
JH09-13								
JH09-14								
JH09-15								
JH09-16								

FIDLER SURVEY

AOC J

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
JH09-17								
JH09-18								
JH09-19								
JH09-20								
JH09-21								
JH09-22								
JH09-23								
JH09-24								
JH09-25								
JI09	7-6-94	ZB	7.5	N	N	NA	NA	wooded area
JI09-01								
JI09-02								
JI09-03								
JI09-04								
JI09-05								
JI09-06								
JI09-07								
JI09-08								
JI09-09								
JI09-10								
JI09-11								
JI09-12								
JI09-13								
JI09-14								
JI09-15								
JI09-16								
JI09-17								
JI09-18								
JI09-19								
JI09-20								
JI09-21								
JI09-22								
JI09-23								

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FIDLER SURVEY

AOC J

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
JI09-24		JPH 7/8/94						
JI09-25								
JJ09	7-6-94	2	5.5	N	N	NA	NA	wooded area
JJ09-01								
JJ09-02								
JJ09-03								
JJ09-04								
JJ09-05								
JJ09-06								
JJ09-07								
JJ09-08								
JJ09-09								
JJ09-10								
JJ09-11								
JJ09-12								
JJ09-13								
JJ09-14			JPH 7/6/94					
JJ09-15								
JJ09-16								
JJ09-17								
JJ09-18								
JJ09-19								
JJ09-20								
JJ09-21								
JJ09-22								
JJ09-23								
JJ09-24								
JJ09-25								
JK09	7-6-94	23	7.5	N	N	NA	NA	wooded area
JK09-01								
JK09-02			JPH 7/6/94					
JK09-03								

FIDLER SURVEY

AOC J

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
JK09-04								
JK09-05								
JK09-06								
JK09-07								
JK09-08								
JK09-09								
JK09-10								
JK09-11								
JK09-12								
JK09-13								
JK09-14								
JK09-15								
JK09-16								
JK09-17								
JK09-18								
JK09-19								
JK09-20								
JK09-21								
JK09-22								
JK09-23								
JK09-24								
JK09-25								
JL09	7-6-94	2B	7.5	N	N	NA	NA	wooded area
JL09-01								
JL09-02								
JL09-03								
JL09-04								
JL09-05								
JL09-06								
JL09-07								
JL09-08								
JL09-09								
JL09-10								

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FIDLER SURVEY

ROC J

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	COMMEI
JL09-11								
JL09-12								
JL09-13								
JL09-14								
JL09-15								
JL09-16								
JL09-17								
JL09-18								
JL09-19								
JL09-20								
JL09-21								
JL09-22								
JL09-23								
JL09-24								
JL09-25								
JM09	7-6-94	2B	8.5	N	N	NA	NA	wooded a
JA10								
JA10-01	7/6/94	2A	6.0	N	N	NA	NA	
JA10-02			6.0					
JA10-03			6.5					
JA10-04			7.0					
JA10-05			7.5					
JA10-06			7.5					
JA10-07			7.5					
JA10-08			7.5					
JA10-09			6.0					
JA10-10			6.5					
JA10-11			6.0					
JA10-12			7.0					
JA10-13			7.5					
JA10-14			8.0					

FIDLER SURVEY

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

ADCJ

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JA10-15	7/6/94	2A	8.5	N	N	NA	NA	
JA10-16			8.5					
JA10-17			8.0					
JA10-18			7.5					
JA10-19			7.0					
JA10-20			6.5					
JA10-21			6.5					
JA10-22			6.0					
JA10-23			7.0					
JA10-24			8.0					
JA10-25			8.0					
JB10								
JB10-01	7-6-94	2A	8.0	N	N	NA	NA	
JB10-02			8.0					
JB10-03			8.0					
JB10-04			8.0					
JB10-05			8.0					
JB10-06			8.0					
JB10-07			8.0					
JB10-08			8.5					
JB10-09			8.5					
JB10-10			8.5					
JB10-11			9.0					
JB10-12			8.5					
JB10-13			8.0					
JB10-14			8.5					
JB10-15			9.0					
JB10-16			8.5					
JB10-17			8.5					
JB10-18			8.5					
JB10-19			9.0					
JB10-20			9.0					
JB10-21	7-6-94	2A	8.5	N	N	NA	NA	

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FIDLER SURVEY

ADC J

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
JB10-22	7-6-94	ZA	9.0	N	N	NA	NA	
JB10-23			9.0					
JB10-24			8.5					
JB10-25			9.0					
JC10								
JC10-01	7-6-94	ZA	8.5	N	N	NA	NA	
JC10-02			8.5					
JC10-03			8.5					
JC10-04			9.0					
JC10-05			9.0					
JC10-06			9.0					
JC10-07			9.0					
JC10-08			8.5					
JC10-09			9.0					
JC10-10			8.5					
JC10-11			8.5					
JC10-12			9.0					
JC10-13			9.0					
JC10-14			9.5					
JC10-15			8.5					
JC10-16			9.0					
JC10-17			9.0					
JC10-18			8.5					
JC10-19			8.5					
JC10-20			8.5					
JC10-21			8.5					
JC10-22			9.0					
JC10-23			8.5					
JC10-24			8.5					
JC10-25			9.0					
JD10								
JD10-01	7-6-94	ZA	8.5	N	N	NA	NA	

FIDLER SURVEY

AOC J

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
JD10-02	7-6-94	2A	9.0	N	N	NA	NA	
JD10-03			9.0					
JD10-04			9.5					
JD10-05			9.0					
JD10-06			10.0		Y — 9/14/95			
JD10-07			9.0		N — 9/14/95			
JD10-08			8.5					
JD10-09			8.5					
JD10-10			8.5					
JD10-11			10.0		Y — 9/14/95			
JD10-12			8.5		N — 9/14/95			
JD10-13			9.5					
JD10-14			9.0					
JD10-15			9.0					
JD10-16			8.5					
JD10-17			9.0					
JD10-18			9.0					
JD10-19			8.5					
JD10-20			8.5					
JD10-21			8.5					
JD10-22			9.0					
JD10-23			9.0					
JD10-24			9.0					
JD10-25	7-6-94	2A	9.0	N	N	NA	NA	
JE10	7/7/94							
JE10-01	7/7/94	2A	9.5	N	Y 9-12-95	NA	NA	
JE10-02			9.0		N			
JE10-03			9.5		Y			
JE10-04			9.0		N			
JE10-05			8.5		N			
JE10-06			8.5		N			
JE10-07			9.5		Y			
JE10-08			9.5		Y			

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FIDLER SURVEY

AOC J

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO.: 34890

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JE10-09	7/7/94	2A	9.0	N	N	NA	NA	
JE10-10			9.5		Y — 1a 5			
JE10-11			9.5		—			
JE10-12			9.5		—			
JE10-13			9.5		—			
JE10-14			9.5		—			
JE10-15			9.5		—			
JE10-16			9.5		—			
JE10-17			9.5		—			
JE10-18			9.5		—			
JE10-19			9.5		—			
JE10-20			9.5		—			
JE10-21			10.0		—			
JE10-22			9.5		—			
JE10-23			9.5		—			
JE10-24			10.0		—			
JE10-25			9.5					
JF10								
JF10-01	7-7-94	2A	8.5	N	N	NA	NA	
JF10-02			9.0					
JF10-03			9.0					
JF10-04			9.5		Y — 1a 5			
JF10-05			9.0		N —			
JF10-06			9.5		Y —			
JF10-07			9.5		Y —			
JF10-08			9.0		N —			
JF10-09			9.0					
JF10-10			9.0					
JF10-11			9.0					
JF10-12			9.0					
JF10-13			10.0		Y — 1c (12-14)			
JF10-14			10.0					
JF10-15	7-7-94	2A	10.5	N	N	NA	NA	

FIDLER SURVEY

AOC J

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
JF10-16	7-7-94	2A	9.5	N	Y ~~+~~	NA	NA	
JF10-17			9.5		Y +			
JF10-18			10.0		Y +			
JF10-19			9.5		Y +			
JF10-20			9.0		N +			
JF10-21			10.0		Y +			
JF10-22			8.5		N +			
JF10-23			10.0		Y +			
JF10-24			10.0		Y +			
JF10-25	7-7-94	2A	9.0	N	N	NA	NA	
JG10	7-6-94	2B	8.5	N	N	NA	NA	wooded area
JG10-01								
JG10-02								
JG10-03								
JG10-04								
JG10-05								
JG10-06								
JG10-07								
JG10-08								
JG10-09								
JG10-10								
JG10-11								
JG10-12								
JG10-13								
JG10-14								
JG10-15								
JG10-16								
JG10-17								
JG10-18								
JG10-19								
JG10-20								
JG10-21								
JG10-22								

[illegible] 8/16/94

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FIDLER SURVEY

AOC

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	COMM
JG10-23								
JG10-24			OPH 1/8/16/94					
JG10-25								
JH10	7-16-94	ZB	16.0 B SB	N	N	NA	NA	wooded
JH10-01								
JH10-02								
JH10-03								
JH10-04								
JH10-05								
JH10-06								
JH10-07								
JH10-08								
JH10-09								
JH10-10								
JH10-11								
JH10-12								
JH10-13								
JH10-14			OPH 1/8/16/94					
JH10-15								
JH10-16								
JH10-17								
JH10-18								
JH10-19								
JH10-20								
JH10-21								
JH10-22								
JH10-23								
JH10-24								
JH10-25								
JI10	7-6-94	ZB	SB 7-6 ~~6.5~~ 7.5	N	N	NA	NA	wooded are
JI10-01								
JI10-02			OPH 8/16/94					

FIDLER SURVEY

AOC J

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
JI10-03								
JI10-04								
JI10-05								
JI10-06								
JI10-07								
JI10-08								
JI10-09								
JI10-10			JPH 8/16/94					
JI10-11								
JI10-12								
JI10-13								
JI10-14								
JI10-15								
JI10-16								
JI10-17								
JI10-18								
JI10-19								
JI10-20								
JI10-21								
JI10-22								
JI10-23								
JI10-24								
JI10-25								
JJ10	7-6-94	ZB	6.0	N	N	NA	NA	wooded area
JJ10-01								
JJ10-02								
JJ10-03								
JJ10-04			JPH 8/16/94					
JJ10-05								
JJ10-06								
JJ10-07								
JJ10-08								
JJ10-09								

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FIDLER SURVEY

AOC J

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
JJ10-10								
JJ10-11								
JJ10-12								
JJ10-13								
JJ10-14								
JJ10-15								
JJ10-16								
JJ10-17			GH 8/10/94					
JJ10-18								
JJ10-19								
JJ10-20								
JJ10-21								
JJ10-22								
JJ10-23								
JJ10-24								
JJ10-25								
JK10	7-10-94	ZB	9.0	N	N	N/A	N/A	Wooded area
JK10-01								
JK10-02								
JK10-03								
JK10-04								
JK10-05								
JK10-06								
JK10-07								
JK10-08			GH 8/10/94					
JK10-09								
JK10-10								
JK10-11								
JK10-12								
JK10-13								
JK10-14								
JK10-15								
JK10-16								

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FIDLER SURVEY

AOC J

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
JK10-17								
JK10-18								
JK10-19								
JK10-20								
JK10-21								
JK10-22								
JK10-23								
JK10-24								
JK10-25								
JL10	7-6-94	ZB	10.0	N	N	NA	NA	WOODED
JL10-01								
JL10-02								
JL10-03								
JL10-04								
JL10-05								
JL10-06								
JL10-07								
JL10-08								
JL10-09								
JL10-10								
JL10-11								
JL10-12								
JL10-13								
JL10-14								
JL10-15								
JL10-16								
JL10-17								
JL10-18								
JL10-19								
JL10-20								
JL10-21								
JL10-22								
JL10-23								

JPH 7/8/16/94

JPH 7/8/16/94

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FIDLER SURVEY

AOC J

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
JL10-24								
JL10-25								
JM10	7-6-94	2B	7.5	N	N	NA	NA	ESTIMATED BY CURSOR.
JA11								
JA11-01	7-6-94	2A	7.5	N	N	NA	NA	
JA11-02			8.0					
JA11-03			8.0					
JA11-04			8.0					
JA11-05			9.0					
JA11-06			9.0					
JA11-07			8.5					
JA11-08			8.0					
JA11-09			7.5					
JA11-10			8.5					
JA11-11			8.5					
JA11-12			9.0					
JA11-13			9.0					
JA11-14			9.0					
JA11-15			9.0					
JA11-16			9.0					
JA11-17			9.5					
JA11-18			9.0					
JA11-19			8.5					
JA11-20			8.5					
JA11-21			8.0					
JA11-22			9.0					
JA11-23			8.5					
JA11-24			9.0					
JA11-25	7-6-94	2A	9.0	N	N	NA	NA	
JB11								

FIDLER SURVEY

AOC J

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
JB11-01	7/6/94	2A	9.0	N	N	NA	NA	
JB11-02			9.0					
JB11-03			8.5					
JB11-04			9.0					
JB11-05			9.5					
JB11-06			9.5					
JB11-07			9.0					
JB11-08			9.0					
JB11-09			9.0					
JB11-10			9.0					
JB11-11			9.0					
JB11-12			9.0					
JB11-13			9.0					
JB11-14			9.5					
JB11-15			9.0					
JB11-16			9.0					
JB11-17			9.0					
JB11-18			9.0					
JB11-19			9.0					
JB11-20			9.0					
JB11-21			9.0					
JB11-22			9.0					
JB11-23			9.5					
JB11-24			9.5					
JB11-25			9.0					
JC11								
JC11-01	7-6-94	2A	9.0	N	N	NA	NA	
JC11-02			9.0					
JC11-03			9.0					
JC11-04			9.0					
JC11-05			9.0					
JC11-06			10.0		Y ~~N~~	NA		
JC11-07	7.6-94	2A	10.0	N	Y ~~N~~	NA	NA	

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FIDLER SURVEY

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

POC J

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMENTS
JC11-08	7-6-94	2A	9.5	N	N	NA	NA	
JC11-09			9.0					
JC11-10			8.5					
JC11-11			9.0					
JC11-12			9.0					
JC11-13			10.0		Y + 5/10/95			
JC11-14			10.0		Y +			
JC11-15			10.0		Y +			
JC11-16			9.5		N +			
JC11-17			9.5					
JC11-18			9.5					
JC11-19			9.5					
JC11-20			9.0					
JC11-21			9.5					
JC11-22			9.0					
JC11-23			9.0					
JC11-24			9.0					
JC11-25	7-6-94	2A	10.0	N	~~Y~~ N + 5/10/95	NA	NA	
JD11								
JD11-01	7/6/94	2A	9.5	N	N	NA	NA	
JD11-02			9.5					
JD11-03			9.5					
JD11-04			10.0		Y + 5/10/95			
JD11-05			10.0		+			
JD11-06			10.0		+			
JD11-07			10.0		+			
JD11-08			9.5		N +			
JD11-09			9.5					
JD11-10			9.5					
JD11-11			9.5					
JD11-12			9.5					
JD11-13			10.0		Y + 5/10/95			
JD11-14	7-6-94	2A	10.0	N	~~Y~~ N + 5/10/95	NA	NA	

FIDLER SURVEY

AOC J

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
JD11-15	7/6/94	2A	10.0	N	N	NA	NA	
JD11-16			10.0		–			
JD11-17			10.0		–			
JD11-18			10.0		–			
JD11-19			10.0		–			
JD11-20			9.5		– N			
JD11-21			10.0		– Y			
JD11-22			9.5		– N			
JD11-23			10.0		– Y			
JD11-24			10.0		–			
JD11-25			10.0					
JE11								
JE11-01	7-6-94	2A	10.0	N	Y	NA	NA	
JE11-02			9.0		N –			
JE11-03			9.5					
JE11-04			9.0					
JE11-05			9.0					
JE11-06			9.5					
JE11-07			10.0		Y – 5-12-95			
JE11-08			9.5		N –			
JE11-09			9.5					
JE11-10			9.5					
JE11-11			SB 7-6 9.0					
JE11-12			9.5					
JE11-13			9.5					
JE11-14			10.0		Y – 5-12-95			
JE11-15			10.0		–			
JE11-16			10.0		–			
JE11-17			10.0		–			
JE11-18			SB 7-6 10.0		–			
JE11-19			10.0		–			
JE11-20			10.5					
JE11-21	7-6-94	2A	10.0	N	N	NA	NA	

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FIDLER SURVEY

AOC J

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
JE11-22	7-6-94	2A	10.5	~~Y~~ Y	N	NA	NA	
JE11-23			9.5	N				
JE11-24			10.0	Y				
JE11-25			10.0	Y				
JF11								
JF11-01	7/6/94	2A	7.5	N	N	NA	NA	
JF11-02			9.0					
JF11-03			9.0					
JF11-04			9.5					
JF11-05			9.5					
JF11-06			8.5					
JF11-07			10.0					
JF11-08			9.0					
JF11-09			10.0		Y	[illegible]		
JF11-10			9.5		N			
JF11-11			9.5					
JF11-12			9.0					
JF11-13			9.0					
JF11-14			9.5					
JF11-15			9.0					
JF11-16			9.0					
JF11-17			9.0					
JF11-18			9.0					
JF11-19			9.0					
JF11-20			9.5					
JF11-21			9.0					
JF11-22			9.0					
JF11-23			8.5					
JF11-24			9.0					
JF11-25			9.0					
JG11	7-6-94	2B	8.5	N	N	NA	NA	wooded area
JG11-01	No entry	JPH	8/16/94					

FIDLER SURVEY

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AOC J

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
JG11-02								
JG11-03								
JG11-04								
JG11-05								
JG11-06								
JG11-07								
JG11-08								
JG11-09								
JG11-10								
JG11-11								
JG11-12								
JG11-13								
JG11-14								
JG11-15								
JG11-16								
JG11-17								
JG11-18								
JG11-19								
JG11-20								
JG11-21								
JG11-22								
JG11-23								
JG11-24								
JG11-25								
JH11	7-6-94	ZB	6.5	N	N	NA	NA	Wooded area
JH11-01								
JH11-02								
JH11-03								
JH11-04								
JH11-05								
JH11-06								
JH11-07								
JH11-08								

8/16/94

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FIDLER SURVEY

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PROJECT NO. A0C

LOCATION GRID ID	DATE OF SURVEY	FIDLER No.	OUTCHANNEL READING (X1000)	AUDIBLE (Y/N)	CONTAMINATED? Y/N	CONTAMINATED? SECTOR	REF	COMMEN
JH11-09								
JH11-10								
JH11-11								
JH11-12								
JH11-13								
JH11-14								
JH11-15								
JH11-16			PH 8/16/94					
JH11-17								
JH11-18								
JH11-19								
JH11-20								
JH11-21								
JH11-22								
JH11-23								
JH11-24								
JH11-25								
JI11	7-6-94	2B	8.0	N	N	NA	NA	wooded area
JI11-01								
JI11-02								
JI11-03								
JI11-04								
JI11-05								
JI11-06								
JI11-07								
JI11-08								
JI11-09			PH 8/16/94					
JI11-10								
JI11-11								
JI11-12								
JI11-13								
JI11-14								
JI11-15								

FIDLER SURVEY

AOC J

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
JI11-16								
JI11-17								
JI11-18								
JI11-19								
JI11-20								
JI11-21								
JI11-22								
JI11-23								
JI11-24								
JI11-25								
JJ11	7-6-94	2B	8.5	N	N	NA	NA	wooded area
JJ11-01								
JJ11-02								
JJ11-03								
JJ11-04								
JJ11-05								
JJ11-06								
JJ11-07								
JJ11-08								
JJ11-09								
JJ11-10								
JJ11-11								
JJ11-12								
JJ11-13								
JJ11-14								
JJ11-15								
JJ11-16								
JJ11-17								
JJ11-18								
JJ11-19								
JJ11-20								
JJ11-21								
JJ11-22								

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AOC

FIDLER SURVEY

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	COMMEN
JJ11-23								
JJ11-24			gpH 8/16/94					
JJ11-25								
JK11	7-6-94	2B	9.0	N	N	NA	NA	wooded ar
JK11-01								
JK11-02								
JK11-03								
JK11-04								
JK11-05								
JK11-06								
JK11-07								
JK11-08								
JK11-09								
JK11-10								
JK11-11								
JK11-12								
JK11-13								
JK11-14								
JK11-15			gpH 8/16/94					
JK11-16								
JK11-17								
JK11-18								
JK11-19								
JK11-20								
JK11-21								
JK11-22								
JK11-23								
JK11-24								
JK11-25								
JL11								No point
JL11-01								
JL11-02			gpH 8/16/94					

FIDLER SURVEY

AOC J

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
JL11-03								
JL11-04								
JL11-05								
JL11-06								
JL11-07								
JL11-08								
JL11-09								
JL11-10								
JL11-11								
JL11-12								
JL11-13								
JL11-14								
JL11-15								
JL11-16								
JL11-17								
JL11-18								
JL11-19								
JL11-20								
JL11-21								
JL11-22								
JL11-23								
JL11-24								
JL11-25								
JM11								
JA12								
JA12-01	7/6/94		8.5	N	N	NA	NA	
JA12-02			8.5					
JA12-03			9.0					
JA12-04			9.0					
JA12-05			9.0					
JA12-06			9.5					

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FIDLER SURVEY

AOC J

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
JA12-07	7/6/94	2	9.5	N	N	NA	NA	
JA12-08			9.0					
JA12-09			9.0					
JA12-10			9.0					
JA12-11			8.5					
JA12-12			8.5					
JA12-13			8.5					
JA12-14			9.0					
JA12-15			9.5					
JA12-16			9.5					
JA12-17			9.0					
JA12-18			9.0					
JA12-19			9.0					
JA12-20			9.5					
JA12-21			9.0					
JA12-22			9.0					
JA12-23			9.5					
JA12-24			9.5					
JA12-25			9.5					
JB12								
JB12-01	7-6-94	2	9.5	N	N	NA	NA	
JB12-02			10.0		Y			
JB12-03			10.0					
JB12-04			10.0					
JB12-05			9.5		N			
JB12-06			10.0		Y			
JB12-07			9.5		N			
JB12-08			9.5		N			
JB12-09			10.0		Y			
JB12-10			9.5		N			
JB12-11			10.0		Y			
JB12-12			10.0					
JB12-13	7-6-94	2	10.0	N	N	NA	NA	

FIDLER SURVEY

AOC J

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
JB12-14	7-16-94	ZAB	~~10.0~~ 10.0	N	N	NA	NA	
JB12-15			~~10.0~~ 10.0		—			
JB12-16			~~10.0~~ 10.0		—			
JB12-17			~~10.0~~ 10.0		—			
JB12-18			~~10.0~~ 10.0		—			
JB12-19			~~10.0~~ 10.0		—			
JB12-20			~~10.0~~ 10.0		—			
JB12-21			~~10.0~~ 10.0		—			
JB12-22			~~10.0~~ 10.0		—			
JB12-23			~~10.0~~ 10.0		—			
JB12-24			~~10.0~~ 10.0		—			
JB12-25	7-16-94	ZBA	~~10.0~~ 10.0	N	N	NA	NA	
JC12	7/6/94	ZA	9.5	N	N	NA	NA	
JC12-01			10.0		—			
JC12-02			10.5		—			
JC12-03			10.0		—			
JC12-04			10.0		—			
JC12-05			10.0		—			
JC12-06			10.0		—			
JC12-07			10.0		—			
JC12-08			10.0		—			
JC12-09			10.0		—			
JC12-10			9.5		N			
JC12-11			9.5		N			
JC12-12			9.5		N			
JC12-13			10.0		—			
JC12-14			10.0		—			
JC12-15			10.0		—			
JC12-16			10.0		—			
JC12-17			10.0		—			
JC12-18			10.0		—			
JC12-19			9.5		—			
JC12-20			9.5		—			

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FIDLER SURVEY

AOC J

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
JC12-21	7/6/94	2A	9.5	N	N	NA	NA	
JC12-22			10.0		Y			
JC12-23			10.0					
JC12-24			10.0					
JC12-25			10.5					
JD12								
JD12-01	7/6/94	2A	11.0	N	N	NA	NA	
JD12-02			11.0					
JD12-03			10.9					
JD12-04			11.0					
JD12-05			10.0					
JD12-06			11.0					
JD12-07			11.0					
JD12-08			10.5					
JD12-09			10.0					
JD12-10			9.5					
JD12-11			10.5					
JD12-12			11.0					
JD12-13			10.0					
JD12-14			10.0					
JD12-15			10.5					
JD12-16			9.5		N			
JD12-17			10.0		Y			
JD12-18			9.5		N			
JD12-19			10.0		Y			
JD12-20			10.0					
JD12-21			10.0					
JD12-22			9.0		N			
JD12-23			10.0		Y			
JD12-24			10.0					
JD12-25	7-6-94	2A	10.0	N	N	NA	NA	
JE12								

FIDLER SURVEY

AOC J

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
JE12-01	7/6/94	2A	10.0	N	~~N~~ Y	NA	NA	
JE12-02			10.0					
JE12-03			10.5					
JE12-04			10.0					
JE12-05			10.0					
JE12-06			10.0					
JE12-07			10.0					
JE12-08			10.0					
JE12-09			10.0					
JE12-10			10.0					
JE12-11			10.0					
JE12-12			10.0					
JE12-13			10.0					
JE12-14			10.0					
JE12-15			10.0					
JE12-16			10.0					
JE12-17			10.0					
JE12-18			10.0					
JE12-19			10.0					
JE12-20			10.0					
JE12-21			10.0					
JE12-22			10.0					
JE12-23			10.0					
JE12-24			10.0					
JE12-25			10.0					
JF12								
JF12-01	7-6-94	2A	9.5	N	N	NA	NA	
JF12-02			8.5					
JF12-03			10.0		Y			
JF12-04			10.0		Y			
JF12-05			9.5		N			
JF12-06			9.5					
JF12-07	7-6-94	2A	9.5	N	N	NA	NA	

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FIDLER SURVEY

AOC J

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
JF12-08	7-6-94	2A	9.5	N	N	NA	~~NA~~	
JF12-09			~~9.5~~ 8.5					
JF12-10			9.5					
JF12-11			9.0					
JF12-12			9.0					
JF12-13			9.5					
JF12-14			8.5					
JF12-15			9.5					
JF12-16			10.0		Y			
JF12-17			8.5		N			
JF12-18			9.0					
JF12-19			8.5					
JF12-20			8.5					
JF12-21			8.5					
JF12-22			9.5					
JF12-23			9.5					
JF12-24			9.0					
JF12-25	7-6-94	2A	8.5	N	N	NA	NA	
JG12	7/7/94	2B	8.5	N	N	NA	NA	wooded area
JG12-01								
JG12-02								
JG12-03								
JG12-04								
JG12-05								
JG12-06								
JG12-07								
JG12-08								
JG12-09								
JG12-10								
JG12-11								
JG12-12								
JG12-13								
JG12-14								

FIDLER SURVEY

AOC J

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
JG12-15								
JG12-16								
JG12-17								
JG12-18								
JG12-19								
JG12-20			GPH 3/16/94					
JG12-21								
JG12-22								
JG12-23								
JG12-24								
JG12-25								
JH12	7/7/94	23	7.5	N.	N	NA	NA	wooded area
JH12-01								
JH12-02								
JH12-03								
JH12-04								
JH12-05								
JH12-06								
JH12-07								
JH12-08								
JH12-09								
JH12-10			GPH 3/16/94					
JH12-11								
JH12-12								
JH12-13								
JH12-14								
JH12-15								
JH12-16								
JH12-17								
JH12-18								
JH12-19								
JH12-20								
JH12-21								

FIDLER SURVEY

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	COMMENTS
JH12-22								
JH12-23								
JH12-24			XPH 8/16/94					
JH12-25								
JI12	7/7/94	23	7.0	N	N	NA	NA	
JI12-01								
JI12-02								
JI12-03								
JI12-04								
JI12-05								
JI12-06								
JI12-07								
JI12-08								
JI12-09								
JI12-10								
JI12-11								
JI12-12								
JI12-13			XPH 8/16/94					
JI12-14								
JI12-15								
JI12-16								
JI12-17								
JI12-18								
JI12-19								
JI12-20								
JI12-21								
JI12-22								
JI12-23								
JI12-24								
JI12-25								
JJ12								no point
JJ12-01	No entry	XPH	8/16/94					

FIDLER SURVEY

Acc. J

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
JJ12-02								
JJ12-03								
JJ12-04								
JJ12-05								
JJ12-06								
JJ12-07								
JJ12-08								
JJ12-09								
JJ12-10								
JJ12-11								
JJ12-12								
JJ12-13								
JJ12-14								
JJ12-15								
JJ12-16								
JJ12-17								
JJ12-18								
JJ12-19								
JJ12-20								
JJ12-21								
JJ12-22								
JJ12-23								
JJ12-24								
JJ12-25								
JK12								no point
JK12-01								
JK12-02								
JK12-03								
JK12-04								
JK12-05								
JK12-06								
JK12-07								
JK12-08								

NO ENTRY

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FIDLER SURVEY

AOC J

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
JK12-09								
JK12-10								
JK12-11								
JK12-12								
JK12-13								
JK12-14								
JK12-15								
JK12-16								
JK12-17								
JK12-18								
JK12-19								
JK12-20								
JK12-21								
JK12-22								
JK12-23								
JK12-24								
JK12-25								
JL12								no point
JL12-01								
JL12-02								
JL12-03								
JL12-04								
JL12-05								
JL12-06								
JL12-07								
JL12-08								
JL12-09								
JL12-10								
JL12-11								
JL12-12								
JL12-13								
JL12-14								
JL12-15								

FIDLER SURVEY

AOC J

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
JL12-16								
JL12-17								
JL12-18								
JL12-19								
JL12-20								
JL12-21								
JL12-22			JPH 8/16/94					
JL12-23								
JL12-24								
JL12-25								
JM12								
13								
JB13			JPH 8/16/94					
JC13								
JD13								
JE13								
JF13								
JG13	7-6-94	2B	7.0	N	N	NA	NA	
JH13								
JI13			JPH 8/16/94					
JJ13								

AOC 21

A.3 SOIL GAS LOGBOOK

Soil Gas Logbook

AOCs: AREA 22
AREA 21
AREA 3
AREA 7
AREA J
AREA SDB
AREA 61
AREA 12

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:

TABLE OF CONTENTS

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

PROJECT NO: 24696

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

PROJECT NO. 34896

PAGE	FIELD LOG	PAGE	FIELD LOG
61	Task Team Activity 7/21/94	91	Task Team Activity 8/1/94
62		92	Task Team Activity 8/2/94
63		93	
64		94	
65		95	
66		96	Task Team Activity 8/3/94
67	Task Team Activity 7/25/94	97	
68		98	
69		99	
70		100	
71		101	Task Team Activity 8/4/94
72	Task Team Activity 7/26/94	102	
73		103	
74		104	
75		105	
76	Task Team Activity 7/27/94	106	
77		107	Task Team Activity 8/8/94
78		108	
79		109	
80	Task Team Activity 7/28/94	110	
81		111	
82		112	Task Team Activity 8/9/94
83	Task Team Activity 7/28/94	113	
84		114	
85		115	
86		116	
87		117	
88	Task Team Activity 8/1/94	118	Task Team Activity 8/10/94
89		119	
90		120	

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

PAGE	FIELD LOG	PAGE	FIELD LOG
121	Task Team Activity 8/16/94	151	Task Team Activity 8/17/94
122	↓	152	↓
123	↓	153	↓
124	Task Team Activity 8/16/94	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~~ SOH 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	
143	↓	173	
144	↓	174	
145	Task Team Activity 8/16/94	175	
146	↓	176	
147	↓	177	
148	↓	178	
149	↓	179	
150	↓	180	

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

PAGE	FIELD LOG	PAGE	FIELD LOG
181		211	Soil Gas Survey Log Area 1
182		212	
183		213	
184		214	
185		215	
186		216	
187		217	
188		218	
189		219	
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	
197		227	
198		228	
199		229	
200		230	
201	Soil Gas Survey Log Area 22	231	
202		232	
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	
207		237	
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209		239	
210		240	

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PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE II — PROJECT NO.: [illegible]

PAGE	FIELD LOG	PAGE	FIELD LOG
241	Soil Gas Survey log Areas 5DB & 7	271	
242	Soil Gas Survey log Area 7	272	
243		273	
244		274	
245		275	
246		276	
247		277	
248		278	
249		279	
250		280	
251		281	
252		282	
253		283	
254		284	
255		285	
256		286	
257		287	
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	
262		292	
263		293	
264		294	
265		295	
266		296	
267		297	
268		298	
269		299	
270		300	

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 08/04/94 TIME: 0700 : _____ PAGE 1 OF 6

Task Team Members:

Pg. 1Ø1

M. Cramer — H. Robinson (Mound HP)

J. Alvarado

C. Halley

Narrative (include time and location):

0700 Arrived at trailers to load equipment & plan attack of the day.

0735 J. GEISLER ARRIVED AT SAIC trailer to sign burn permit.

0800 LEFT TRAILER TO GET HP - H. ROBINSON and go to Area 7.

0807 Arrive at Area 7. SETTING UP.

0810 VERY, VERY HARD ROCK. SETTIN UP ON A7 A-1 NEXT TO LAIDLAW TRASH TRUCKS. HIGH TRAFFIC AREA.

0825 INSTALLED A7 A-1; Full; Bag #23; #612

0826 SET UP Area 7 A-2, Hard Rock, High Traffic. Also Next to LAIDLAW TRASH TRUCKS.

0834 Install Area 7 A-2; Full; BAG #23; #613

0835 SET UP AREA 7 A-3; NEXT TO TRASH TRUCKS

0838 INSTALL A-7 A-3; Full; BAG #23; #614

0840 SET-UP Area 7 A-4 on Asphalt sand underneath Hard rock (not too inches (moved 3' off mark)

0846 Install Area 7 A-4; Full; Bag #23; #615

0850 WENT TO TRAILERS TO PICK UP QUICK-CRETE

Daily Weather Conditions: A.M. Clear, Sunny ~80° HUMID

P.M. NA

Recorded By Marsha L Cramer QA Checked By Joletta Humphrey

TASK TEAM ACTIVITY LOGSHEET

PROJECT NAME: ER&G MOUND OU; OPERATIONAL AREA: PHASE I

Date (mm/dd/yy): 6/4/94 TIME: NA PAGE 2 OF 6

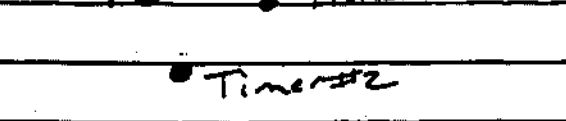
Task Team Members:

see page 1 of 6 Pg. 102

gpH 6/22/94

Narrative (include time and location):

0905 SET UP ON Area 7 H-10, on side of road, high traffic
0911 Install Area 7 H-10; Full; Bag#23; #616
0915 RETURNED TO A-7 A-4 to plug hole.
0930 Arrived at Area J. SET UP ON G13
After 5 inches of earth - hit limestone
0946 Install Area J G-13; Full; BAG#23; #617
0950 Timers Installed. ~~to~~ Sample closest to stake; Timers North of Sample and North East of Sample



0958 SET UP ON AREA J G-12
1003 Install Area J G-12; Full; BAG#23 #618
1003 SET UP Area J G-11
1007 Install Area J G-11; Full; BAG#23 #619
1007 SET UP AREA J G-10
1015 Install Area J G-10; Full; BAG#23 #620
1015 SET UP AREA J G-9
1020 Install AJ G-9; Full; BAG#23 #621

Daily Weather Conditions: A.M. see page 1 of 6

P.M. NA

Recorded By Mark Z. Crane QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/4/94 TIME: NA PAGE 3 OF 6

Task Team Members:

See page 1 of 6 Pg. 103

JPH 8/22/94

Narrative (include time and location):

1021 ~~Ste~~ Set up on Area J G-8; Drilling through an ant hill; ants attacking drill bit. Moving hole over.

1030 Install A-J G-8; 7 inches, Bag #23; #~~621~~ 622

1031 SET UP ON Area J F-7. Grassy area; Hit rock

1044 Install Area J ~~F-6~~ F-7 Bag 23; P# 623; Full

Set up

1045 SET UP ON Area 7 F-8 All hard clay

51 Install Area J F-8; Bag 23; P# 624; Full

1052 SET UP ON Area 7 F-9, Hit Rock

1055 Install Area J F-9; Full; Bag #23; # 625

1057 SET UP ON Area J F-10; In Rock

1104 Install Area J F-10; Full; BAG # 23; # 626

1105 SET UP ON Area J F-11

1111 Install Area J F11; Full; BAG # 23; # 627

1112 SET UP ON Area J F-12, Rock on top then into Gravel

1116 Install Area J F-12; Full; BAG # 23; # 628

1117 Setup on Area J F-13;

1129 Install Area J F-13; Full; BAG # 23; # 629

Weather Conditions: A.M. See page 1 of 6

P.M. NA

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 10 — TASKING

Date (mm/dd/yy): 8/4/94 TIME: NA PAGE 4 OF 6

Task Team Members:

See page 1 of 6 Pg. 104

Narrative (include time and location):

1130 FEET & HANDS SCANNED

1135 RETURNING TO SAIC TRAILER FOR LUNCH

1235 PACKING UP EQUIPMENT TO RETURN TO THE TASK.

1240 AT HP BUILDING TO GET H. ROBINSON FOR HP SUPPORT

1249 ARRIVED AT AREA J TO SCOPE OUT GOOD PLACE TO INSTALL TIMERS.

1300 ~~1200~~ H. ROBINSON ON SITE

1305 AT AREA J K4 SETTING UP TO HAND AUGER SAMPLE AND TWO TIMERS.

1314 INSTALL AREA J K-4; FULL; BAG #23; #630

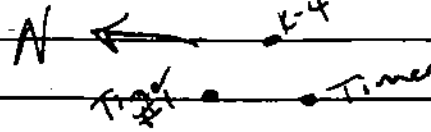
1321 INSTALL AREA J K-4 TIMER #1; 15"; JOB #21M Time Test

1330 Install Area J K-4 Timer #2; 15"; JOB #21M Time Test

Timers Installed:

Sample Closest to Stake Timer #1 is NW

Timer #2 is SW



move generator back to top of hill

1405 Set up Area J E-13 grassy area clay

1410 Install E-13 Area J Bag 23; Full; #631

Daily Weather Conditions: A.M. see p. 1 of 6

P.M. P. Cloudy ~80°F

Recorded By Marc Z Cr[illegible] QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I — TASK NO.: 34896

Date (mm/dd/yy): 8/4/94 TIME: NA PAGE 5 OF 6

Task Team Members:

see page 1 of 6 Pg. 105

Narrative (include time and location):

1408 Set up Area J E-13 grassy area clay
1413 Set up Area J E-11 " " " and rock
1414 Install Area J E-12 Full; Bag 23; #632
1418 Install Area J E-11 ~~Bag 23~~ Bag 23; #633;
1419 Set up Area J E-10 grassy area
1425 Install Area J E-10 12"; Bag 23; #634
1426 Set up Area J E-9 gravel collapse problem
1435 Install Area J E-9 8"; Bag 25; #635
14[illegible] Set up Area J E-8 grassy area gravel track
1445 Install Area J E-8 10"; Bag 23; #636
1446 Set up Area J E-7
1456 Install Area J E-7 Full; Bag #~~23~~ 25 #637
1457 Set up Area J E-6; Asphalt ~~stacking out~~ MLC 8/4/94
coming out of earth near sample point
1506 Install Area J E-6; Full; BAG #25; #638
1507 Set up Area J D-6; gravel area, limestone about 10" down
1516 Install Area J D-6; Full; Bag #25; #639
1517 Set up Area J D-7 in rocky, gravel area
1525 Install Area J D-7; 10"; Bag #25; #640

Daily Weather Conditions: A.M. NA

P.M. see page 4

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/4/94 TIME: NA PAGE 6 OF 6

Task Team Members:

see page 1 of 6 pg. 106

8/22/94

Narrative (include time and location):

1526 Set up to Install Timers at D-7
1535 It is Raining - Install Timer #1; 8 inches
1540 Install Timer #2; full
DUE TO RAIN, WE were not able to write
Timer #1 or Timer #2; To designate:
Sample has orange flagging -
Timer #1 has blue flagging
Timer #3 has both orange & blue
D7 • Timer #2
• Timer #1
1542 RAIN HAS STOPPED SO WE DECIDE TO
CONTINUE INSTALLATION
1544 Install Area J D-8; Full; Bag #25; #641
LIGHTNING!!
PACK UP EVERYTHING AS FAST AS WE CAN
AND LEAVE SITE
1550 At HP Building to scan hands and feet.
We are informed of lightning alert.
1555 BACK AT SAIC trailers to secure for weekend.
Last Entry

Daily Weather Conditions: A.M. NA
P.M. Raining, ~76°F; Lightning

Recorded By Marcia Z Crane QA Checked By Loretta Trumpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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 — Pg. 107 — H. Robinson (HP)

C. Halley

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 ~~7~~ 5 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

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

P.M. NA

Recorded By Marsha L Cramer QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/8/94 TIME: NA PAGE 2 OF 5

Task Team Members:

see page 1 of 5 pg. 108

gpH 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
031 Install Area J C-5; 15"; ~~Bag~~ Bag#24; 655
1032 Setup Area J B-5; rocky area
1040 Install Area J B-5; 15"; Bag#24; #656
1041 Setup Area J ~~B-4~~ mc 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~~ mc 8/8/94 see page 1 of 5

P.M. NA

Recorded By Mandra Z Conner 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): 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 Setup 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 condition as B-10 in Grass Area, very rocky
1137 Install Area J B-11; Full; Bag #24; #662
1138 Setup 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.

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 LOGSHEET

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA, PHASE I

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 Setup 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 Marsha K Crane QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

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

Weather Conditions: A.M. NA

P.M. See p. 4 of 5

Recorded By Marlon L Cramer QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND GUS OPERATIONAL AREA, PHASE II TASK NO.

Date (mm/dd/yy): 8/9/94 TIME: 0700 : _____ PAGE 1 OF 6

Task Team Members:

Pg. 112

M. Cramer H. Robinson (HP)

C. Hailey

Narrative (include time and location):

0700 At trailers to load equipment; get ready for day's activities

0722 J. Geisler on site and sign burn permit.

0730 G. Loder & J. Alvarado need to use the generator and drill to get through asphalt; should only take 15 minutes so we will wait

0745 J. Alvarado back at trailers; will need the generator longer than expected. Decide to hand auger in Area J.

0758 At HP Bldg. 30 to get H. Robinson

0805 Arrive at bottom of hill of Area J. preparing to hand auger.

0810 H. Robinson on site

0812 Setup Area J M-1; Hit rock at 1", 1" and 4". Will move on.

0818 Setup Area J M-2; Hit rock at 3".

0826 Install J M-2; Full; Bag# 32; # 676

0827 Setup Area J M-3; visible rocks; High rad background

Chanel 1 300; Chanel out 12000

Hit rock - move on

Daily Weather Conditions: A.M. Hazy, Overcast, Cool ~ 73°F

P.M. NA

Recorded By: Mandy L Cramer QA Checked By: Juletta Hampert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 9/9/94 TIME: NA PAGE 2 OF 6

Task Team Members:

see page 1 of 6 pg. 113

JPH 8/22/94

Narrative (include time and location):

0828 Setup Area J M-3 in wooded area; not able to hand auger.

0830 Called trailer to find out status of generator. The other crew is finished. Will return to the trailer to get generator & drill and continue drilling and installation of top of hill at Area J.

0905 At top of hill Area J. Preparing to drill & install. H. Robinson on site.

0910 Setup Area J A2 Next to Rock Pile ~50 ft. next to road; high traffic; in soil.

0919 Install AJ A2; Full; Bag # 32; #677

0920 Setup Area J A-1; Next to Rock Pile ~50 ft. from high traffic Road. Rocky soil

0933 Install AJ A-1; Full; Bag # 32; #678

0934 Setup Area J B-1; Next to Rock Pile. in Concrete

0943 Install AJ B-1; Full; Bag # 32; #679

0944 Setup Area J B-2; in rocky soil next to the mound o' rocks

0952 Install AJ B-2; Full; Bag # 32; #680

Weather Conditions: A.M. See page 1 of 6

P.M. NA

Recorded By: Martha Z Chance QA Checked By: Jolette Humpert

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE I — TASK NO. [illegible]

Date (mm/dd/yy): 8/9/94 TIME: NA PAGE 3 OF 6

Task Team Members:

See page 1 of 6 Pg. 114

JPH 8/22/94

Narrative (include time and location):

0953 Setup Area J B-3 ; Rocky Soil ;
had problems with hole collapsing
0915 Install AJ B-3; Full; Bag #32; #681
1016 Setup Area J B-4 in possible area
of run off ; in a valley
1020 Install AJ B-4; Full; Bag #32 #682
1021 Setup Area J C4; rocky soil;
in valley
1024 Install AJ C4 ; Full; Bag # 32; #683
1025 Setup Area J C3 in Rocky Soil
1031 Install AJ C3; Full; Bag #32; #684
1032 Setup Area J C2; in Rocky Soil
1039 Install AJ C2; 15"; Bag #32; #685
1040 Setup Area J C1; Rocky Soil
1049 Install J C-1 ; Full ; Bag #32 ; #686
1050 Setup Area J D-1 ; Rocky Soil mc 8/9/94
1100 Install J D-1 ; Full ; Bag #32 ; ~~#689~~ 687
1102 Setup Area J D-2 ; Rocky Soil mc 8/9/94
1107 Install J D-2 ; Full ; Bag #32 ; ~~#690~~ 688
1109 Setup Area J D3 ; Rocky Soil

Daily Weather Conditions: A.M. See page 1 of 6

P.M. NA

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 8/9/94 TIME: NA PAGE 4 OF 6

Task Team Members:

See page 1 of 6 pg. 115

GPH 8/22/94

Narrative (include time and location):

1122 Install Area J D3; 15"; Bag #32; ~~#691~~ mc 8/9/94 #689
1123 Setup Area J D4'; Rocky Soil; on side of Valley; High Population of Ants
1131 Install AJ D4; Full; Bag #32; ~~#692~~ mc 8/9/94 #690
1132 Set up Area J D5; rocky soil on side of valley
1138 Install AJ D5; Full; Bag #32; ~~#693~~ mc 8/9/94 #691
1139 Set up Area J E5; Rocky soil on side of valley
1148 Install Area J E5; Full; Bag #32; ~~#694~~ mc 8/9/94 #692
1149 Setup Area J E4; In rocky soil; in rock
1158 Install AJ E4; Full; Bag #32; ~~#695~~ mc 8/9/94 #693
1200 Scanned feet & hands. On our way to SAIC trailers. Other crew will be using our equipment over lunch.
1315 Equipment is returned. Going to HP to get H. Robinson at Area J to continue.
1322 Setup Area J E-3; Rocky Soil; collapsing
1337 Install AJ E-3; 14"; Bag #32; #694
1338 Setup Area J E-2 in rocky soil

Daily Weather Conditions: A.M. See page 1 of 6

P.M. NA

Recorded By Marsha L. Crum QA Checked By Juletta Humpert

TASK TERM ACTIVITY LOG SHEET — SOIL GAS

PROJECT NAME: EG&G MOUNDOUS OPERATIONAL AREA, PHASE 1 — TASK NO.: [illegible]

Date (mm/dd/yy): 8/9/94 TIME: NA PAGE 5 OF 6

Task Team Members:

See page 1 of 6 pg. 116

QPH 8/22/94

Narrative (include time and location):

Hole is collapsing; got one open on 3rd try.
1342 Install AJ E-2; Full; Bag #32; #695
1343 Set up Area J E-1, in tall grass, in rock
1350 Install AJ E-1; Full; Bag #30; #696
1351 Set up Area J F-1, in grassy area
1400 Install AJ F-1; Full; Bag #30; #697
1401 Set up Area J F-2; In mulch area; in Rocky Area 8/9/94 Soil
1408 Install AJ F-2; Full; bag #30; #698
1409 Set up Area J F3 on side of hill; Rocky soil
1413 Install AJ F3; 12"; Bag #30; #699
1414 Set up Area J F4, in Rocky soil
1420 Install AJ F4; Full; Bag #30; #700
1421 Set up Area J F5; in overgrown area; rocky soil
1435 Install AJ F5; Full; Bag #30; #701
1436 Set up Area J F6 in Rocky Soil
1446 Install AJ F6; Full; Bag #30; #702
1500 Set up Area J G5 G. Coder & J. Alvarado

Daily Weather Conditions: A.M. NA

P.M. Cloudy, ~80°F, Breeze

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 8/9/94 TIME: NA PAGE 6 OF 6

Task Team Members:

See page 1 of 6 Pg. 117

JPH 8/22/94

Narrative (include time and location):

were on site to pick up shovel. Moved on to very steep side of hill.

Area J ~~GE~~ Inc 8/9/94 G5 in rocky soil

1508 Install AJ G5 Full ; Bag #30 ; # 703

1509 Setup Area J H5 on slope of hill in rocky soil

1515 Install Area J H5 ; Full ; Bag #30 ; # 704

1516 Moving to G4 in Area J. Very steep with loose rocks abundant. Sample in very rocky soil ; collapsed

1537 Install Area J G4 ; 8" ; Bag #30 ; # 705

1538 Setup Area J H4 ; on side of steep hill

1546 Install Area J H4 ; 15" ; Bag #30 ; # 706

1547 Set up Area J G3 ; very rocky loose rocks ; steep

1550 Install Area J G3 ; Bag # 30 ; # ~~706~~ Inc 8/9/94 707 ; 15"

1400 L. Robinson scanned hands & feet return to trailers.

LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. See p. 5 of 6

Recorded By Mark L Crow QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/10/94 TIME: NA PAGE 1 OF 6

Task Team Members: Pg. 118

M. Cramer H. Robinson (HP)

C. Halley

Narrative (include time and location):

0630 At SAIC trailers to load equipment and prepare for day

0647 J. Geisler on site to sign burn permit; off site

0700 At Bldg. 30 (HP) to secure H. Robinson for the day

0704 At top of hill in Area J

0705 H&S breifing. topics discussed: slip, trip fall hazards on hill

0720 Setup Area J H-13; on side of hill overgrown area; Rocky soil

0732 Install Area J H-13; Full; Bag 30; # 708

0733 Setup Area J H-12; on hill rocky soil.

0741 Install AJ H-12; Full; Bag 30; # 709

0742 Set up Area J I-12; on steep hill; rocky soil

0750 Install AJ I-12; Full; bag 30; # ~~709~~ 710 MLC 8/10/94

0755 Setup Area J H 11; on side of steep hill in overgrown area; rocky soil

0805 Install Area J H 11; Full; bag 30; # 711

0806 Setup Area J I 11; on steep slope, in rocky soil

Daily Weather Conditions: A.M. Cool ~ 58°F

P.M. NA

Recorded By Meredith Cramer QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 8/10/94 TIME: NA PAGE 2 OF 6

Task Team Members: Pg. 119

M. Cramer — H. Robinson (HP)

C. Halley

Narrative (include time and location):

0814 Install Area J I-11; Full; bag 30; # 712
Setup Area J J-11; on steep slope of hill; overgrown area; rocky soil
0822 Install Area J J-11; Full; bag 30; # 713
0823 Setup Area J K-11; on steep slope; overgrown area; rocky soil
0835 Install AJ K-11; Full; bag 30; # 714
0850 Setup Area J H-10; in grassy area on side of hill; rocky soil
0854 Install Area J H-10; Full; bag 30; # 715
0856 Setup Area J I-10; in grassy area; ~~rocky~~ mostly soil
0859 Install Area J I-10; Full; bag 30; # 716
0900 Setup Area J J-10; overgrown area; rocky soil; more soil than rock
0907 Install AJ J-10; Full; bag 30; # 717
0921 Setup Area J K-10; Rocky soil; weeds
0926 Install AJ K-10; Full; bag # 30; # 718
0927 Setup AJ L-10; weeds; rocky soil
0934 Install AJ L-10; Full; Bag # 30; # 719
0949 Setup on Area J H9; ~~rocky soil~~ mostly rock

Weather Conditions: A.M. See p. 1 of 6

P.M. NA

Recorded By Mandra L Cramer QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/10/94 TIME: NA PAGE 3 OF 6

Task Team Members:

See page 1 of 6 Pg. 120

JPH 8/22/94

Narrative (include time and location):

0955 Install AJ; H9; Full; bag 30; # 720
0957 Set up Area J I-9; in overgrown area; rocky soil
1002 Install AJ I9; Full; bag 28; #721
1003 Set up Area J J9; rocky soil; ant hill
1007 Install AJ J9; 16"; bag 28; # 722
1010 Set up Area J K9; in grass/weeds; rocky soil
1019 Install AJ K9; Full; bag 28; # 723
1031 Set up Area J H8; in grass/weeds; rocky soil
1041 Install AJ H8; Full; bag 28; # 724
1043 Set up Area J I8; in grass/weeds; rocky soil
1050 Install AJ I8; Full; bag 28; # 725
Set up Area J J8 in grass, weeds; rocky
1104 Install AJ J8; Full; bag 28; # 726
Set up Area J K8. In ground ~~hole~~ hole (hoe 8/19/94) we think, no other place to move. hole collapsed
1115 Install AJ K8; 12"; bag 28; # 727
1126 Set up Area J G7; in grass & weeds; rocky soil
1131 Install Area J G7; Full; bag 28; # 728

Daily Weather Conditions: A.M. See page 1 of 6

P.M. NA

Recorded By Madonna L. Crane QA Checked By Loretta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

(mm/dd/yy): 8/10/94 TIME: NA PAGE 4 OF 6

Task Team Members:

see page 1 of 6

pg. 121

JPH 8/22/94

Narrative (include time and location):

1132 Set up Area J H7; in grass/weeds; rocky soil
1137 Install AJ H7; Full; bag 28; # 729
1145 Scanned hands & feet; returning to trailer

* Received call on 8/9/94 from P. Bedard of NERT with results of timers #1 from Area 7. For timers #479, 480, and 481, lightweight hydrocarbons including BTEX in the moderate range were showing. Exposure time was determined to be @ 14 days.

1300 Leaving trailers for Bldg. 30
1315 At top of hill Area J to continue
1325 Set up Area J I-7; somewhat rocky soil; in weeds
1335 Install AJ I-7; Full; bag 28; # 730
1336 Set up Area J J-7; in grass/weeds; in firm soil
1341 Install AJ J-7; Full; bag 28; # 731
~~Set up Area J G6; very steep; loose rocks; m rocky soil~~ mc 8/12/94
1348 Set up Area J J6; in rocky soil

Daily Weather Conditions: A.M. See page 6 of 6
P.M. Cloudy ~ 78°

Recorded By Mark Z. Cr[illegible] QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/10/94 TIME: NA PAGE 5 OF 6

Task Team Members:

See page 1 of pg. 122

QPH 8/22/94

Narrative (include time and location):

1355 Install AJ J6; Full; Bag 28; #732
1356 Set up Area J I6; In Rocky soil
1400 Install Area J I6; Full; bag 28; #733
1406 Set up Area J H6; Rocks/tree stump.
1411 Install Area J H6; Full; bag 28; #734
1413 Set up Area J G6; Rock outcroppings/soil.
1425 Install Area J G6; Full; bag #28 #735
1430 Decide to move to bottom of hill and approach from that direction.
1442 Set up L9 Area J; in weeds & grass in rocky soil
1454 Install AJ L9; Full; bag 28; #736
1455 Set up Area J M9; in weeds
1502 Install AJ M9; Full; bag 28; #737
1503 Set up Area J M8; in grass & weeds; soil
1509 Install Area J M8 Full; bag 28; #738
1510 Set up Area J L8; in grass/weeds rocky soil
1515 Install Area J L8; Full; bag 28; #739
1517 Set up Area J M7; ~ 2 feet from road - low traffic; in rocky soil

Daily Weather Conditions: A.M. NA

P.M. See page 4 of 6

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 8/10/94 TIME: NA PAGE 6 OF 6

Task Team Members:

see page 1 of 6 pg. 123

GPH 8/22/94

Narrative (include time and location):

1526 Install AJ M7; Full; bag 28; # 740
1527 Setup Area J L7; in weeds; rocky soil
1532 Install AJ L7; Full; bag 28; # 741
1533 Setup Area J K-7; in weeds; rocky soil
1538 Install AJ K-7; Full; bag 28; ~~# 744~~ 878 8/18/94
1539 Setup Area J M-6; on side of hill; in rocky soil
1545 Install Area J M6; Full; bag 28; # 742
1[illegible]6 Setup Area J L6; next to road - low traffic In hard soil; rocky
1552 Install Area J L6; Full; bag 28; ~~# 742~~ 743
1553 Setup Area J K6; in weeds; rocky soil
1555 Install AJ K6; Full; bag 28; # 744
1600 Scanned hands & feet returning to trailer Last Entry

Daily Weather Conditions: A.M. NA

P.M. See page 4 of 6

Recorded By [signature] QA Checked By Joletta Hunipert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): ~~08/10/94~~ 8/11/94 TIME: 0630 : 0916 PAGE 1 OF 5

Task Team Members: pg. 128

M. Cramer H. Robinson (HP)

C. HALLEY

Narrative (include time and location):

0630 Arrive on site to load equipment, catch up with log book and make sample tubes

0705 Signed burn permit

0745 At HP Bldg. 30

0755 Arrive at bottom of hill of Area J to begin the day's installation. H. Robinson already on site.

0807 Set up Area J M5; in wooded area; mulch;

0819 Install Area J M5; Full; bag 29; # 745

0820 Set up Area J L5; along side of road - low traffic; in rocky soil

0833 Install Area J L5; Full; bag 29; # 746

0834 Set up Area J K5; wooded area; rocky soil

0844 Install AJ K5; 15"; bag 29; # 747

0848 Set up Area J J5; in weeds; rocky

0855 Install Area J J5; Full; bag 29; # 748

0856 Set up Area J I5; rocky soil

0902 Install AJ I5; Full; bag 29; # 749

0907 Set up Area J M4; wooded area; rocky soil

0914 Install AJ M4; Full; bag 29; # 750

0916 Set up Area J L4; in weeds; along side of access road - low traffic;

Daily Weather Conditions: A.M. Cloudy, ~75°F, Rainy

P.M. N/A

Recorded By Marsha L. Cramer QA Checked By Juliette Humphrey

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 8/11/94 TIME: NA PAGE 2 OF 5

Task Team Members:

see page 1 of — pg. 129

8/22/94

Narrative (include time and location):

rocky.

0925 Install AJ L4; Full; bag ~~28~~ 29; # 751

0927 Set up Area J J4; ~~Full; bag 29; # 752~~ MKC 8/10/94 in rocky soil

0934 Install AJ J4; Full; bag 29; # 752

0939 Setup Area J I4; in rocky soil

0945 Install Area J I4; Full; bag 29; # 753

0947 Setup Area J M3 on side of hill; rocky soil

0955 Install AJ M3; Full; bag 29; # 754

0958 Setup Area J L3;

0959 Beginning to rain; will wait a while to see if it lasts.

1030 Rain stopped; will continue.

1031 Setup Area J L3; rocky soil

1041 Install AJ L3; Full; bag 29; # 755

1043 Setup Area J K3; in rocky soil

1051 Install Area J K3; Full; bag 29; # 756

1052 Setup Area J J3; in very rocky soil

1105 Install AJ J3; Full; bag 29; # 757

1106 Setup Area J I 3; in rocky soil

Weather Conditions: A.M. see page 1 of 5

P.M. NA

Recorded By Mark L Crane QA Checked By Juliette Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 7/11/94 TIME: NA PAGE 3 OF

Task Team Members:

See page 1 of 5 Pg. 130

GPH 8/22/94

Narrative (include time and location):

1114 Install AJ I3; Full; bag 28; #758 [illegible] 8/10/94
1115 Setup Area J H3; in weeds; in rocky soil
1118 Install AJ H3; Full; bag 29; #759
1133 Set up Area J L2; in rocky soil & clay
1135 Install AJ L2; bag 29; #760; Full
1136 Set up Area J M1; Rocky soil
1142 Install AJ M1; Full; bag 29; #761
Setup Area J L1; in weeds along side of access road. - low traffic; rocky soil
1148 Install AJ L1; Full; bag 29; #762
1200 Scanned hands & feet, returning to trailers.
1315 Decided to discontinue Area J due to slick conditions caused by the rain will continue with Area 61.
* Health & Safety briefing given. Topic discussed was biological hazards. - bugs. Wear repellent.
1345 Arrive at Area 61. Restake points.
1350 H. Robinson on site. He does not have the permit for this area. Contacting J. Geisler.

Daily Weather Conditions: A.M. See page 1 of 5
P.M. Partly Cloudy ~80°F

Recorded By [signature] QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 8/11/94 TIME: NA PAGE 4 OF 5

Task Team Members:

See page 1 of 5 Pg. 131

8/22/94

Narrative (include time and location):

1404 J. Geisler on site. Gave us verbal to go ahead and get started in Area 61. Will bring permit.

1409 Set up Area 61 A5; ~25 ft. from high traffic road; firm soil

1423 Install A61 A5; Full; bag 29; # 763

1424 Setup Area 61 A4; same conditions as A5

1430 Install A61 A4; Full; bag 29; # ~~763~~ 764

1431 Setup Area 61 A3; same conditions

1436 Install A61 A3; Full; bag 29; # 765

1437 Setup Area 61 A2; ~50 ft. from high traffic road; rocky soil

1443 Install A61; A2; Full; bag 29; # 766

1444 Setup Area 61 A1; ~50 ft. from gate access high traffic; rocky soil

1448 Install A61; A1; Full; bag 29; # 767

1450 Next points are on the road returning to trailer for traffic cones & vests

1459 Return to A61. Installing timers.

Daily Weather Conditions: A.M. NA

P.M. P. Sunny ~80°F

Recorded By Mark I Cr[illegible] QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/11/94 TIME: NA PAGE 5 OF 9

Task Team Members:

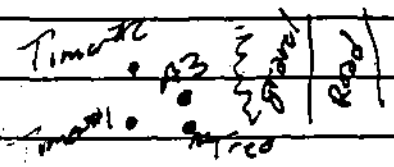
see page 1 of 5 pg. 132

8/18/94

Narrative (include time and location):

1508 Install Timer #1 A-3; full; TimeTest Job #2114

1513 Install Timer #2 A-3; full; TimeTest Job #2114



1514 Set up Area 61 B1; in loose gravel along high traffic road; rocky soil

1519 Install A61 B1; Full; bag 29; #768

1520 Setup Area 61 B2; Along side of high traffic road

1525 Install A61 B2; Full; bag 29; #769

1530 Scanned hands & feet returning to trailer

Last Entry

Daily Weather Conditions: A.M. NA

P.M. see page 4 of 5

Recorded By Mark L Cr[illegible] QA Checked By Joletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

mm/dd/yy): 8/15/94 TIME: NA PAGE 1 OF 5

Task Team Members: pg. 133

M. Cramer — H. Robinson (HP)

C. Halley

Narrative (include time and location):

0700 Arrive at trailers to prepare for day's activities
0710 J. Geisler at trailers to sign burn permit
0730 H&S briefing: Topics discussed: Make sure you take a phone with each vehicle & weather conditions & actions to take were discussed
0745 At HP to get H. Robinson
0750 At Area 61.
755 Returning to trailers for missing eqpt.
0805 Back at 61.
0817 Set up Area 61 E5; in parking lot, in asphalt ~ 7 ft. from building
0823 Install A61 E5; Full; bag 31; #770
0824 Set up Area 61 E4; in parking lot, asphalt
0834 Install A61 E4; Full; Bag 31; #771
0836 Set up Area 61 E3; in parking lot, asphalt
0843 Install A61 E3; Full; bag 31; #772
0846 Setup Area 61 E2; in parking lot in asphalt
0853 Install A61 E2; Full; bag 31; #773
0855 Setup Area 61 E1; in parking lot in asphalt

Daily Weather Conditions: A.M. Clear, Sunny, Cool ~65°F

P.M. NA

Recorded By Mark L Cramer QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 08/15/94 TIME: NA PAGE 2 OF 5

Task Team Members:

see page 1 of 5 pg. 134

JPH 8/18/94

Narrative (include time and location):

0900 Install Area 61 E1; Full; bag 31; # 774
0902 Setup Area 61 D1; in garden, landscaped area, good dirt.
0904 Install A61 D1; Full; bag 31; #775
0906 Setup Area 61 D2; in parking lot in asphalt.
0915 Install A61 D2; Full; bag 31; # 776
0916 Setup Area 61 D3; in parking lot in asphalt
0928 Install Area 61 D3; 16"; bag 31; #777
0930 Setup Area 61 D4; in parking lot in asphalt
0945 Install Area 61 D4; 16"; bag 31; # 778
0950 Setup Area 61 D5; in parking lot / asphalt
1007 Install Area 61 D5; 15"; Bag 31; # 779
1010 Set up Area 61 C5; Edge of road / gravel / soil moderate traffic.
1014 Install Area 61 C5; Full; Bag 31; #780
1017 Set up Area 61 C4; Asphalt, entry to parking lot moderate traffic.
1032 Install Area 61 C4; 16"; Bag 31; #781
1037 Setup Area 61 C3; Edge of Road; Wood chips/soil
1041 Install Area 61 C3; Full; Bag 31; #782

Daily Weather Conditions: A.M. see page 1 of 5

P.M. NA

Recorded By Mandy Tolman QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): 8/15/94 TIME: NA PAGE 3 OF 5

Task Team Members:

see page 1 of 5

Pg. 135

JPH 8/18/94

Narrative (include time and location):

1046 Setup Area 61 C2; Edge at Road; Wood Chips/soil; muddy

1050 Install Area 61 C2; Full; Bag 31; #783

1052 Setup Area 61 C1; on high traffic road; in asphalt

1103 Install A61C C1; Full; Bag 31; #784

1104 Setup Area 61 B3; in road, high traffic in asphalt

1117 Install A 61 B3; Full; bag 31; #785

1119 Setup Area 61 ~~B2~~ B4 in road high traffic, in asphalt

1133 Install A61 ~~B2~~ B4; Full; bag 31; #786

1134 Setup Area 61 B5; in road; high traffic, asphalt

1144 Install A61 B5; Full; bag 31; #787

1158 Scanned hands & feet returning to trailers.

1300 Securing security for tomorrow. J. Geisler on site to discuss future planning.

Daily Weather Conditions: A.M. see page 1 of 5

P.M. NA

Recorded By Mark L Crane QA Checked By Juletta Humphrey

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8/15/94 TIME: NA PAGE 4 OF 5

Task Team Members:

see page 1 of 5 pg. 136

JPH 8/16/94

Narrative (include time and location):

1400 At Bldg 30, to secure HP
1410 At Area J
1420 Set up Area J K1, overgrown/grass & weeds, rocky soil
1425 Install AJK1; 14"; bag 31; # 788
1426 Set up Area J J1; rocky soil
1434 Install AJJ1; full; bag 31; # 789
1437 Set up Area J I1; rocky soil
1447 Install Area J I1; full; bag 31; # 790
1448 Set up Area J H1, rocky soil
1455 Install Area J H1; full; bag 31; # 791
1503 Set up Area J H2; weeds; rocky soil
1512 Install AJ H2; full; bag 31; # 792
1513 Set up Area J I2; Rocky
1517 Install Area J I2; 12"; bag 31; # 793
1520 Set up Area J J2; rocky soil
1527 Install Area J J2; full; bag 31; # 794
1532 Install Area J K2; full; bag 36; # 795
1536 Arrive at top of hill
1538 Set up Area J G2; Rock

Daily Weather Conditions: A.M. NA

P.M. Partly Cloudy, ~80°F

Recorded By: Mark Z Cramer QA Checked By: Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET SOIL GAS

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

ate (mm/dd/yy): 8/15/94 TIME: NA PAGE 5 OF 5

ask Team Members:

See page 1 of 5 Pg. 137

JH 8/18/94

arrative (include time and location):

1547 Install Area J G2; Full; bag 36; # 796
1548 Set up Area J G1; Rocky Soil
1554 Install G1; Full; bag 36; # 797
1600 Scanned feet & hands
Returning to trailers.
LAST ENTRY

Daily Weather Conditions: A.M. NA

P.M. See page 4 of 5

Recorded By Mark E Cross QA Checked By Juletta Humpert

TASK TEAM ACTIVITY LOG SHEET — SOIL GAS

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

Date (mm/dd/yy): ~~8-10-94~~ 8-11-94 JPH 8/15/94 TIME: NA PAGE 1 OF 2

Team Members: Pg. 139

J. Humpert

G. Loder

Narrative (include time and location):

~~0815 Pulling in Area 3. JPH 8/15/94~~

~~0833 JPH 8/15/94~~

Pulling tubes in Area 7.

D2/479 timer 2 pulled at 0908.

0910 Pulling D2/479

0915 Pulling Q16/481 timer 2.

0916 Pulling Q16/481

0930 Pulling G10/480 timer 2

0932 Pulling G10/480

[illegible]2 Pulling H11/505

0950 Pulling G9/503

1000 Pulling G8/501

1005 Pulling F8/500

1010 Pulling F7/497

1017 Pulling G7/498

1020 Pulling H7/499

1028 Pulling H8/502

1030 Pulling H9/504

1037 Pulling H12/506

1040 Pulling H13/507

Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By Laura M. Marsden 8/23/94

TASK TEAM ACTIVITY LOG SHEET SOILG

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

Date (mm/dd/yy): 8-11-94 TIME: NA PAGE 2 OF 7

Task Team Members:

J.H. pg. 140

G.L.

Narrative (include time and location):

1043 Pulling H14/508
1050 Pulling H15/509
1054 Pulling G15/510
1055 Pulling G14/511
1055 Pulling G12/513
1105 Pulling G13/512
1108 Pulling I12/531
1109 Pulling I13/514
1113 Pulling I14/515
1115 Pulling I15/524
1117 Pulling J15/523
1118 Pulling K15/522
1120 Pulling J14/526
1121 Pulling J13/528
1123 Pulling K14/525
1125 Pulling K13/527
1127 Pulling K12/529
1129 Pulling J12/530
1134 Pulling L13/520
1139 Pulling M12/516
1143 Pulling M13/517
1145 Pulling M14/518
1149 Pulling L11/521
1150 Pulling L12/519

Pulling Area J timeri

1336 Pulling G13/617
1338 Pulling D7/640
1348 Pulling K4/630

Last Entry

Daily Weather Conditions: A.M. P. Sunny, 75°F

P.M. P. Sunny, 78°F

Recorded By Juleta Humpert QA Checked By Laura M. Nowicka 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): 8-15-94 TIME: NA PAGE 1 OF 4

Task 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.

1800 Off to Area 7 to pull samplers. Met Security at gate.

0809	Pulling M9/489	0900	Pulling M8/488
0812	Pulling M10/495	0913	Pulling K7/542
0817	Pulling M11/496	0914	Pulling K6/543
0825	Pulling L10/553	0915	Pulling K5/544
0827	Pulling K8/554	0917	Pulling J5/545
0833	Pulling L5/490	0923	Pulling J6/546
0833	Pulling M6/486	0926	Pulling K9/549
0837	Pulling M7/487	0929	Pulling J10/535
0839	Pulling M5/485	0932	Pulling J11/536
0847	Pulling L9/494	0946	Attempted to pull J10/538 - tube broke - wires unable to be retrieved.
0845	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. Mosilan 8/23/94

TASK TEAM ACTIVITY LOG SHEET

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

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

1115 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 — SOIL GAS

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 gauls 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 to 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. Morrison 8/23/94

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK NO.: 3483

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-~~1590~~ 1715/99 - 1730 Updating logbook.

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By J. Humpert QA Checked By Laura M. Morrison

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8-23-94 TIME: NA PAGE 1 OF 1

Task Team Members:

Joletta Humpert pg. 154

JPH 8/23/94

Narrative (include time and location):

1100 Received call from P. Bedard concerning results for Area J timer #1 samples. Exposure for timers were as follows:

617 - low levels of aromatics; little of methylnaphthalene.

630 - low levels of naphthalene, methylnaphthalene, + C6 cycloalkanes

640 - high JPH 8/23/94 relative levels of naphthalene, C4-C11 petroleum hydrocarbons.

P. Bedard asked that second timers be pulled and shipped. Still analyzing A61 timer #1 - will call in resu

1105 Called M. Cramer in field and asked her to pull #2 timers for Area J. Also #1 timers in Area 13 (A3/820 + B6/826) and two non-AOC timer #1's (see non-AOC logbook)

Will bring to office this afternoon for fedexing.

1330 P. Bedard called with Area 61 #1 timer results A3/765 - rel. high levels of terpenes. Recommends pulling second timer at 12-13 days. Will pull and send on 8/24/94.

Last Entry See pg. 59 in non AOC logbook for details on Area 13 timers

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By [illegible]

TASK TEAM ACTIVITY LOG SHEET

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

(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

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

Date (mm/dd/yy): 8-24-94 TIME: NA PAGE 2 OF

Task Team Members:

Joletta Humpert pg. 156

Paul Parrish

JPH 8/24/94

Narrative (include time and location):

0913 Pulled C10/650

0916 Pulled C9/651 - very wet soil!

0922 Pulled D13/646

0925 Pulled D12/645

Out of caps - back to trailer to get more!

0940 Back at Area J

0942 Pulled D11/644 and C8/652

0945 Pulled D10/643 and C7/653

0948 Pulled D9/642 and C6/654. D9 very wet!

0950 Pulled D8/641 and C5/655

0952 Pulled D7/640 and E6/638

0954 Pulled E7/637

0955 Pulled D6/639

0956 Pulled E8/636

0957 Pulled F7/~~633~~ 623 - tube broke on retrieval - wires transferred to clean tube

0958 Pulled E9/635 - tube broke on retrieval - wires transferred to clean tube.

1002 Pulled E10/634 - Attempting retrieval of F11 627

1004 Pulled E11/633 - 1006 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

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 — TASK NO. 534896

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 F9/625 and G13/617
1015 Pulled G12/618 and F10/626
1018 Pulled G11/619
1020 Pulled G10/620
1022 Pulled G9/621 + G8/622 at 1025
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~~ 8278-8374-825 JPH 8/25/94
1100-1230 Sorted Area 3 tubes in preparation of shipment.
1240 Offsite - headed for office.
Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Juliette Humpest QA Checked By [signature]

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8-25-94 TIME: NA PAGE 1 OF 3

Task Team Members: pg. 158

Paul Parrish

Joletta Humpert

JPH 8/25/94

Narrative (include time and location):

Ø73Ø Onsite at sample trailer

Ø8Ø5 Onsite at Area J

Ø813 Pulled H11/711 Ø814 Pulled ~~H13~~ H13/7Ø8 JPH 8/25/94

Ø816 Pulled I11/712 Ø818 Pulled ~~I12~~ H12/7Ø9 JPH 8/25/94

Ø819 Pulled J11/713

Ø822 Pulled K11/714

Ø824 Pulled L1Ø/719

Ø826 Pulled K1Ø/718 Ø827 Pulled ~~I12~~ I12/71Ø JPH 8/25/94

Ø829 Pulled J1Ø/717

Ø832 Pulled I1Ø/716

Ø834 Pulled H1Ø/715 Ø835 Pulled H9/72Ø

Ø837 Pulled H8/724 Ø838 Pulled I9/721

Ø84Ø Pulled I8/725 and J9/722

Ø842 Pulled J8/726 Ø853 Pulled M9/737

Ø844 Pulled K8/727 and K9/723 Ø847 Pulled L9/736

Ø857 Pulled L8/739 - stuck in gravel/dirt but managed to retrieve unharmed

Ø9ØØ Pulled M8/738 Ø858 Pulled M7/740

Ø9Ø4 Pulled M6/742 Ø9ØØ Pulled L7 - still had black liner on it!

Ø9Ø6 Pulled L6/743 Ø9Ø4 K7/878 pulled

Daily Weather Conditions: A.M. Cool, @ 70°F, Sunny - will get hot very soon!

P.M. NA

Recorded By Joletta Humpert QA Checked By Paul Parrish

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA PHASE 1 TASK No.: [illegible]

(mm/dd/yy): 8-25-94 TIME: NA PAGE 2 OF 3

Task Team Members:

JH. Pg. 159

P.P

JPH 8/25/94

Narrative (include time and location):

Ø9Ø8 Pulled K6/744 and J7/731
Ø91Ø Pulled J6/732 and I7/73Ø
Ø912 Pulled I6/733 and H7/729
Ø914 Pulled H6/734 Ø915 Pulled G7/728
Ø916 Pulled G6/735
Ø918 Pulled F6/7Ø2
Off to get new gloves
Ø928 Pulled F4/7ØØ
'3Ø Pulled G4/7Ø5 and D5/691
Ø932 Pulled H4/7Ø6 and E5/692 Ø941 Pulled H5/7Ø4
Ø934 Pulled K4/63Ø and F5/7Ø1 Ø938 Pulled G5/7Ø3
Ø936 Attempted to pull M2/676 - "guy" wire broke - unable to locate tube when digging - abandonned.
Ø944 Pulled F3/699
Ø946 Pulled G3/7Ø7 Ø948 Pulled E4/693
Ø948 Pulled E3/694
JPH 8/25/94 Ø95Ø Pulled D3/689
Ø955 Pulled C3/684 - tube broke on retrieval - wires retrieved and transferred to clean tube - one wire was fairly mangled.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Joletta Humpert QA Checked By [illegible]

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 8-25-94 TIME: NA PAGE 3 OF

Task Team Members:

J.H. pg. 160

P.P. JPH 8/25/94

Narrative (include time and location):

1000 Pulled ~~B6~~ JPH 8/25/94 B3/681 and C4/683 - tube broke; wires not retrieved

1002 Pulled A2/677 - very muddy/wet 1007 Pulled D4/690

1005 Pulled B2/680. Tubes broke by crowbar - back to trailer

1033 Pulled C2/685

1036 Pulled D2/688

1038 Pulled E2/695

1050 Pulled F2/698 - Initially stuck but able to retrieve after digging.

1040 Pulled B4/682

1044 Pulled B1/679

1046 Pulled C1/686

1048 Pulled D1/687

1050 Pulled E1/696

1059 Attempting to pull F1/697 - tube broke; guy wire broke - unable to locate wires - hole abandonned.

1105 Pulled A1/678

Returned to trailer to organize Area I tubes.

1130 Left sample trailer - en route to Dayton Office

Last Entry

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Juletta Humpert QA Checked By Paul Pinski

TASK TEAM ACTIVITY LOG SHEET — SOILGAS

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

Date (mm/dd/yy): 8/29/94 TIME: NA PAGE 1 OF 1

Task Team Members:

pg. 162

Juan Alvarado

Joletta Humpert

JPH 8/29/94

Narrative (include time and location):

Ø815 In Area J to pull. A lot of Rain 8/28/94 - so all locations were wet.

Ø825 Pull I4/753

Ø83Ø Pull J4/752

Ø833 Pull L4/751

Ø836 Pull M4/75Ø

Ø839 Pull M3/754

Ø842 Pull L3/755

Ø844 Pull L2/76Ø

Ø847 Pull H/762

Ø85Ø Pull M1/761 and K3/756 - muddy

Ø853 Pull J3/757

Ø857 Pull H3/759

Ø9Ø8 Pull F8/624

Ø827 Pull ~~K5~~ JPH 8/29/94 J5/749

Ø83Ø Pull J5/748 - slightly pulled out

Ø835 Pull K5/747

Ø837 Pull L5/746

Ø843 Pull M5/755

Ø855 Pull I3/758 - muddy

See non AOC for continuation of day's activities

Also see logbook - monitor well W399.

17ØØ Back at trailer packaging soil gas timers.

Pulled Area 13 timers #2 at 1656/Area 13 A3/82Ø and Area 13 timer B6/826 at 1659 - both sites were muddy. Also shipping non AOC timers #1 (Secure area) - airbill # 2169356383. Last Entry.

Daily Weather Conditions: A.M. Sunny, @ 70°F, Breeze 5 mph from SE

P.M. NA

Recorded By Joletta Humpert QA Checked By [illegible]

TASK TEAM ACTIVITY LOG SHEET

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

Date (mm/dd/yy): 9/1/94 TIME: NA PAGE 1 OF 2

Task Team Members:

Jaletta Humpert pg. 164

Brad Richardson

JPH 9/2/94

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 Jaletta Humpert QA Checked By

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: EG&G MOUND OU OPERATIONAL AREA PHASE 1 TASK NO.: [illegible]

Date (mm/dd/yy): 9/1/94 TIME: NA PAGE 2 OF 2

Team Members:

J.H.

B.R.

pg. 165

JH 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

16 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. Last Entry.

Daily Weather Conditions: A.M. NA

P.M. NA

Recorded By Juletta Humpert QA Checked By

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 21 PROJECT NO.: 34096

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					
					tube broke	wires transposed		
JAØ1		678	8/9/94 Ø933	8/25/94 11Ø5	ND	ND		Bag # 32; Full
JAØ2		672	8/9/94 Ø919	8/25/94 1ØØ2	ND	ND		Bag # 32; Full
JAØ3		675	8/8/94 1548	8/24/94 Ø9ØØ	ND	ND		Bag # 32; Full
JAØ4		674	8/8/94 1537	8/24/94 Ø855	ND	ND		Bag # 23; Full
JAØ5		673	8/8/94 1531	8/24/94 Ø852	ND	ND		Bag # 24; Full
JAØ6		672	8/8/94 1522	8/24/94 Ø85Ø	ND	ND		Bag # 24; Full
JAØ7		671	8/8/94 15ØØ	Stuck in asphalt abandoned.	ND	ND		Bag # 32; Full
JAØ8		67Ø	8/8/94 1445	8/24/94 Ø842	ND	ND		Bag # 32; Full
JAØ9		669	8/8/94 1437	8/24/94 Ø838	ND	ND		Bag # 32; Full
JA1Ø		668	8/8/94 1432	8/24/94 Ø835	ND	ND		Bag # 32; Full
JA11		667	8/8/94 1422	8/24/94 Ø833	ND	ND		Bag # 23; Full
JA12		666	8/8/94 1417	8/24/94 Ø83Ø	ND	ND		Bag # 23; Full
JA13		665	8/8/94 1411	8/24/94 Ø828	ND	ND		Bag # 23; Full
			JPH 8/22/94					

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 212 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
JBØ1		679	8/9/94	Ø943	8/25/94	1Ø44	ND	ND		Bag #32; Full
JBØ2		680	8/9/94	Ø952	8/25/94	1ØØ5	ND	ND		Bag #32; Full
JBØ3		681	8/9/94	1015	8/25/94	1ØØØ	ND	ND		Bag #32; Full
JBØ4	682	~~[illegible]~~	~~8/8/94~~	~~1Ø31~~	~~8/25/94~~	~~1Ø4Ø~~	~~ND~~	~~ND~~		~~Bag #33; Full~~
JBØ5		656	8/8/94	1Ø4Ø	8/24/94	Ø844	ND	ND		Bag #24; 15"
JBØ6		657	8/8/94	1051	8/24/94	Ø842	ND	ND		Bag #24; Full
JBØ7		658	8/8/94	1058	8/24/94	Ø838	ND	ND		Bag #24; Full
JBØ8		659	8/8/94	11Ø7	8/24/94	Ø835	ND	ND		Bag #24; Full
JBØ9		66Ø	8/8/94	1114	8/24/94	Ø834	ND	ND		Bag #24; Full
JB1Ø		661	8/8/94	1124	8/24/94	Ø83Ø	ND	ND		Bag #24; Full
JB11		662	8/8/94	1137	8/24/94	Ø829	ND	ND		Bag #24; Full
JB12		663	8/8/94	1144	8/24/94	Ø828	ND	ND		Bag #24; Full
JB13		664	8/8/94	1154	Unable to be retrieved - guy wire broke - tube lost		ND	ND		Bag #24; Full
JCØ1		686	8/9/94	1049	8/25/94	1Ø46	ND	ND		Bag #32 Full
JCØ2		685	8/9/94	1Ø39	8/25/94	1Ø33	ND	ND		Bag #32; Full
JCØ3		684	8/9/94	1Ø31	8/25/94	Ø955	ND	ND		Bag #32; Full
JCØ4		683	8/9/94	1Ø24	8/25/94	1Ø16 tube broke	ND	ND		Bag #32; [illegible]

NC 8/9/94

SOIL GAS SUR[illegible] PETREX

PROJECT N[illegible]: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 [illegible] 9.213 PROJECT N[illegible] 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
JCØ5		655	8/8/94 1031	8/24/94 0950	ND	ND		Bag #24; 15"
JCØ6		654	8/8/94 1023	8/24/94 0948	ND	ND		Bag #24; Full
JCØ7		653	8/8/94 1014	8/24/94 0945	ND	ND		Bag #24; Full
JCØ8		652	8/8/94 1005	8/24/94 0942	ND	ND		Bag #24; 16"
JCØ9		651	8/8/94 0954	8/24/94 0916	ND	ND		Bag #24; Full
JC1Ø		650	8/8/94 0944	8/24/94 0913	ND	ND		Bag #24; Full
JC11		649	8/8/94 0936	8/24/94 0910	ND	ND		Bag #24; Full
JC12		648	8/8/94 0927	8/24/94 0908	ND	ND		Bag #24; Full
JC13		647	8/8/94 0916	8/24/94 0903	ND	ND		Bag #24; Full
			JPH 8/22/94					
JDØ1		687	8/9/94 1100	8/25/94 1048	ND	ND		Bag # 32; Full
JDØ2		688	8/9/94 1107	8/25/94 1036	ND	ND		Bag # 32; Full
JDØ3		689	8/9/94 1122	8/25/94 0950	ND	ND		Bag # 32; 15"
JDØ4		690	8/9/94 1131	8/25/94 1007	ND	ND		Bag # 32; Full
JDØ5		691	8/9/94 1138	8/25/94 0930	ND	ND		Bag # 32; Full
JDØ6		639	8/4/94 1516	8/24/94 0955	ND	ND		full; bag 25
JDØ7		640	8/4/94 1525	8/24/94 0952	ND	ND		10"; bag 25
JDØ8		641	8/4/94 1544	8/24/94 0950	ND	ND		Full; bag 25

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 214 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
JDØ9		642	8/8/94	0825	8/24/94	Ø948	ND	ND		Bag# 24; Full
JD1Ø		643	8/8/94	0832	8/24/94	Ø945	ND	ND		Bag# 24; Full
JD11		644	8/8/94	0842	8/24/94	Ø942	ND	ND		Bag# 24; Full
JD12		645	8/8/94	0854	8/24/94	Ø925	ND	ND		Bag# 24; Full
JD13		646	8/8/94	0907	8/24/94	Ø922	ND	ND		Bag# 24; 16"
JDØ7		64Ø	8/4/94	1535	8/11/94	1338	ND	ND		Timer #1; 8"
JDØ7		64Ø	8/4/94	154Ø	8/17/94	12ØØ	ND	ND		Timer #2; full
					JPH 8/22/94					
JEØ1		696	8/9/94	1350	8/25/94	1Ø5Ø	ND	ND		Full; bag 30
JEØ2		695	8/9/94	1342	8/25/94	1Ø38	ND	ND		Full; Bag 32
JEØ3		694	8/9/94	1337	8/25/94	Ø948	ND	ND		14"; bag 32
JEØ4		693	8/9/94	1158	8/25/94	Ø948	ND	ND		Full; bag 32
JEØ5		692	8/9/94	1148	8/25/94	Ø932	ND	ND		Full; bag 32
JEØ6		638	8/4/94	15Ø6	8/24/94	Ø952	ND	ND		Full; bag 25
JEØ7		637	8/4/94	1456	8/24/94	Ø954	ND	ND		Full bag 25
JEØ8		636	8/4/94	1445	8/24/94	Ø956	ND	ND		10" bag 23
JEØ9		635	8/4/94	1435	8/24/94	Ø958	ND	ND		8" bag 23 - to take
JE1Ø		634	8/4/94	1425	8/24/94	1ØØ2	ND	ND		12"; bag 23
JE11		633	8/4/94	1418	8/24/94	1ØØ4	ND	ND		bag 23; Full
JE12		632	8/4/94	1414	8/24/[illegible]	1ØØ6	ND	ND		bag 23; [illegible]

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 215 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
JE13		631	8/4/94 1410	8/24/94 1010	ND	ND		BAG#23; Full
			JPH 8/22/94					
JF01		697	8/9/94 1400	guy wire broke-unable to locate tube	ND	ND		bag 30; Full
JF02		698	8/9/94 1408	8/25/94 1050	ND	ND		bag 30; Full
JF03		699	8/9/94 1413	8/25/94 0944	ND	ND		bag 30; 12"
JF04		700	8/9/94 1420	8/25/94 0928	ND	ND		bag 30; Full
JF05		701	8/9/94 1435	8/25/94 0934	ND	ND		bag 30; Full
JF06		702	8/9/94 1446	8/25/94 0918	ND	ND		bag 30; Full
JF07		623	8/4/94 1044	8/24/94 0957	ND	ND		BAG#23, Full/ tube broke on retrieval
JF08		624	8/4/94 1051	8/29/94 0908	ND	ND		BAG#23, Full
JF09		625	8/4/94 1055	8/24/94 1012	ND	ND		BAG#23, Full
JF10		626	8/4/94 1104	8/24/94 1015	ND	ND		BAG#23; Full
JF11		627	8/4/94 1111	Guy wire broke-unable to retrieve	ND	ND		BAG#23; Full
JF12		628	8/4/94 1116	tube - lost in gravel/dirt	ND	ND		BAG#23; Full
JF13		629	8/4/94 1129	8/24/94 1034	ND	ND		BAG#23; Full
			JPH 8/22/94					

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 216 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
No Entry JPH		8/22/94						
JGØ1		797	8/15/94 1554	9/1/94 Ø85Ø	ND	ND		full; bag 36
JGØ2		796	8/15/94 1547	9/1/94 Ø925	ND	ND		full; bag 36
JGØ3		707	8/9/94 1556	8/25/94 Ø946	ND	ND		15"; bag 30
JGØ4		705	8/9/94 1537	8/25/94 Ø93Ø	ND	ND		8"; bag 30
JGØ5		703	8/9/94 1508	8/25/94 Ø938	ND	ND		Full; bag 30
JGØ6		735	8/10/94 1425	8/25/94 Ø916	ND	ND		full; bag 28
JGØ7		728	8/10/94 1131	8/25/94 Ø915	ND	ND		full; bag 28
JGØ8		622	8/4/94 1Ø3Ø	8/24/94 1Ø25	ND	ND		7in.; BAG #23
JGØ9		621	8/4/94 1Ø2Ø	8/24/94 1Ø22	ND	ND		Full; BAG #23
JG1Ø		62Ø	8/4/94 1Ø15	8/24/94 1Ø2Ø	ND	ND		14" ~~Full~~; BAG #23
JG11		619	8/4/94 1Ø07	8/24/94 1Ø18	ND	ND		Full; BAG #23
JG12		618	8/4/94 1Ø03	8/24/94 1Ø15	ND	ND		Full; BAG #23
JG13		617	8/4/94 0946	8/24/94 1Ø12	ND	ND		Full; BAG #23
JG13		Timers	8/4/94 Ø95Ø	8/11/94 1336	ND	ND		Full; Timer
JG13		Timer	8/4/94 Ø95Ø	8/17/94 12Ø5	ND	ND		Full; Timer
			JPH 8/22/94					
JHØ1		791	8/15/94 1455	9/1/94 Ø854	ND	ND		full; bag 31
JHØ2		792	8/15/94 1512	9/1/94 Ø921	ND	ND		full; bag 31
JHØ[illegible]		759	8/11/94 1122	8/29/[illegible] Ø857	ND	ND		Full; [illegible]

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 217 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
JHØ4		706	8/9/94 1546	8/25/94 Ø932	ND	ND		15"; bag 30
JHØ5		704	8/9/94 1515	8/25/94 Ø941	ND	ND		Full; bag 30
JHØ6		734	8/10/94 1411	8/25/94 Ø914	ND	ND		full; bag 28
JHØ7		729	8/10/94 1137	8/25/94 Ø912	ND	ND		full; bag 28
JHØ8		724	8/10/94 1041	8/25/94 Ø837	ND	ND		full; bag 28
JHØ9		72Ø	8/10/94 Ø953	8/25/94 Ø835	ND	ND		full; bag 30
JH1Ø		715	8/10/94 Ø854	8/25/94 Ø834	ND	ND		full; bag 30
JH11		711	8/10/94 Ø805	8/25/94 Ø813	ND	ND		full; bag 30
JH12		7Ø9	8/10/94 Ø741	8/25/94 Ø818	ND	ND		full; bag 30
JH13		7Ø8	8/10/94 Ø732	8/25/94 Ø814	ND	ND		full; bag 30
			8/22/94					
JIØ1		79Ø	8/15/94 1447	9/1/94 Ø858	ND	ND		full; bag 31
JIØ2		793	8/15/94 1517	9/1/94 Ø919	ND	ND		12"; bag 31
JIØ3		758	8/11/94 1116	8/29/94 Ø855	ND	ND		full; bag 29
JIØ4		753	8/11/94 Ø945	8/29/94 Ø825	ND	ND		full; bag 29
JIØ5		749	8/11/94 Ø902	8/29/94 Ø827	ND	ND		full; bag 29
JIØ6		733	8/10/94 1400	8/25/94 Ø912	ND	ND		full; bag 28
JIØ7		73Ø	8/10/94 1335	8/25/94 Ø91Ø	ND	ND		full; bag 28

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 218 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
JIØ8		725	8/10/94 1050	8/25/94 0840	ND	ND		full; bag 28
JIØ9		721	8/10/94 1002	8/25/94 0838	ND	ND		full; bag 28
JI1Ø		716	8/10/94 0859	8/25/94 0832	ND	ND		full; bag 30
JI11		712	8/10/94 0814	8/25/94 ~~0818~~	ND	ND		full; bag 30
JI12		710	8/10/94 0750	8/25/94 0827	ND	ND		full; bag 30
JI13								
				DPH 8/22/94				
JJØ1		789	8/15/94 1434	9/1/94 0900	ND	ND		full; bag 31
JJØ2		794	8/15/94 1527	9/1/94 0916	ND	ND		full; bag 31
JJØ3		757	8/11/94 1105	8/29/94 0853	ND	ND		full; bag 29
JJØ4		752	8/11/94 0934	8/29/94 0830	ND	ND		full; bag 29
JJØ5		748	8/11/94 0955	8/29/94 0830	ND	ND		full; bag 29
JJØ6		732	8/10/94 1355	8/25/94 0910	ND	ND		full; bag 28
JJØ7		731	8/10/94 1341	8/25/94 0908	ND	ND		full; bag 28
JJØ8		726	8/10/94 1104	8/25/94 0842	ND	ND		full; bag 28
JJØ9		722	8/10/94 1007	8/25/94 0840	ND	ND		16"; bag 28
JJ1Ø		717	8/10/94 0907	8/25/94 0829	ND	ND		full; bag 30
JJ11		713	8/10/94 0822	8/25/[illegible] 0819	ND	ND		full; bag [illegible]

SOIL GAS SU[illegible] (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 219 PROJEC[illegible] J.: 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
~~JJ12~~								
JJ13								
			JPH 8/22/94					
JKØ1		788	8/15/94 1425	9/1/94 Ø9Ø5	ND	ND		14"; bag 31
JKØ2		795	8/15/94 1532	9/1/94 Ø9Ø8	ND	ND		full; bag 36
JKØ3		756	8/11/94 1057	8/29/94 Ø85Ø	ND	ND		Full; bag 29
JKØ4		63Ø	8/4/94 134	8/25/94 Ø934	ND	ND		Full; Bag # 23
JKØ5		747	8/11/94 0846	8/29/94 Ø835	ND	ND		15"; bag 29
JKØ6		744	8/10/94 1555	8/25/94 Ø9Ø8	ND	ND		full; bag 28
JKØ7		~~744~~ 878	8/10/94 1538	8/25/94 Ø9Ø4	ND	ND		full; bag 28
JKØ8		~~731~~	8/10/94 1044	8/25/94 Ø844	ND	ND		full; bag 28
JKØ9		723	8/10/94 1019	8/25/94 Ø844	ND	ND		full; bag 28
JK1Ø		718	8/10/94 Ø924	8/25/94 Ø826	ND	ND		full; bag 3Ø
JK11		714	8/10/94 0835	8/25/94 Ø822	ND	ND		full; bag 3Ø
~~JK12~~								
JK13			JPH 8/22/94					
JK4		Timer	8/4/94 1321	8/11/94 1348	ND	ND		15"; Time Test
JK4		Timer	8/4/94 1330	8/17/94 1155	ND	ND		15"; Time Test

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 22Ø 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					
JLØ1		762	8/11/94 1142	8/29/94 Ø847	ND	ND		full ; bag 29
JLØ2		760	8/11/94 1135	8/29/94 Ø844	ND	ND		full ; Bag 29
JLØ3		755	8/11/94 1041	8/29/94 Ø842	ND	ND		full ; bag 29
JLØ4		751	8/11/94 Ø925	8/29/94 Ø833	ND	ND		full ; bag 29
JLØ5		746	8/11/94 Ø833	8/29/94 ~~Ø830~~ Ø837	ND	ND		full ; bag 29
JLØ6		743	8/10/94 1552	8/25/94 Ø9Ø6	ND	ND		full ; bag 28
JLØ7		741	8/10/94 1532	8/25/94 Ø9ØØ	ND	ND		full ; bag 28
JLØ8		739	8/10/94 1515	8/25/94 Ø857	ND	ND		full ; bag 28
JLØ9		736	8/10/94 1454	8/25/94 Ø847	ND	ND		full ; bag 28
JL1Ø		719	8/10/94 Ø934	8/25/94 Ø824	ND	ND		full ; bag 30
JL11								
JL12					LØ7 still had black liner on tube on Retrieval !!!			
JL13								
			JPH 8/22/94					
JMØ1		761	8/11/94 1142	8/29/94 Ø85Ø	ND	ND		full ; bag 29
JMØ2		676	8/9/94 0826	[illegible]	ND	ND		Full ; Bag [illegible]

SOIL GAS SURVEY (PETREX)

PROJECT N. : EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG 221 PROJECT 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
JMØ3		754	8/11/94 0853	8/29/94 0839	ND	ND		full; bag 29
JMØ4		750	8/11/94 0914	8/29/94 0836	ND	ND		full; bag ~~28~~ 29
JMØ5		745	8/11/94 0819	8/29/94 0843	ND	ND		full; bag 28
JMØ6		742	8/10/94 1545	8/25/94 0904	ND	ND		full; bag 28
JMØ7		740	8/10/94 1526	8/25/94 0858	ND	ND		full; bag 28
JMØ8		738	8/10/94 1509	8/25/94 0900	ND	ND		full; bag 28
JMØ9		737	8/10/94 1502	8/25/94 0853	ND	ND		full; bag 28
JM1Ø								
JM11								
JM12			QPH 8/22/94					
JM13								
				QPH 8/22/94				
13AØ1		818	8/16/94 1340	9/7/94 0855	ND	ND		12"; bag 36
13AØ2		819	8/16/94 1349	9/7/94 0900	ND	ND		full; bag 36
13AØ3		820	8/16/94 1359	9/7/94 0905	ND	ND		Full; bag 37
13AØ4		821	8/16/94 1415	9/7/94 0907	ND	ND		full; bag 37
13AØ5		822	8/16/94 1420	9/7/94 0909	ND	ND		full; bag 37
13AØ6		823	8/16/94 1425	9/7/94 0911	ND	ND		full; bag 37

A.4 GEOPHYSICAL LOGBOOK

June 27, 1994 Monday 1

Mound Plant Miamisburg, Ohio
Dave Cummings
Paul Parrish

weather: Overcast, 68° F, 5-10 mph wind of out Nwest

1000 Checking out equipment. No magnetometer survey today. A index is 25 today, 25 tomorrow, and 20 on Wednesday.

Sensitivity Reading on EM-31 23.1 to 23.
Base station set up in flat area of Area J at top of Hill away from metal objects. Transmitter for survey to the north. Ground was saturated at the base station.
Base Station File TEST4

1038 ~~Begin Survey at~~ Geophysical Stake #1
0800 Stake 160 feet from water tower
File is: AJ 6274 for EM-31
located on South Slope of drainage

Paul Parrish

Jun 27, 1994 Continued

Line 1 Sta Ø EM-31 sitting on 10° slope to North

Line 1 Sta 1Ø Same as above

Sta 2Ø Same as above

Sta 3Ø Same as above

Sta 4Ø Station in drainage ditch

Sta 5Ø Station on North side of drainage

Sta 6Ø EM-31 sitting on 10° slope to South
More gravel present than at other stas.

Sta 7Ø at highest point of slope

Sta 8Ø Reinforced concrete, Scrap Metal, at edge of slope

Sta 9Ø Rebar, Concrete, Misc Metal, Metal pipe Over slope

Sta 1ØØ Concrete Rubble

Sta 11Ø Concrete, Rusted Bucket at Reciever

Sta 12Ø Concrete Rubble, Scattered Metal Scraps

Sta 13Ø Drum underneath Transmitter Coil
Concrete, Wire at Reciever

Sta 14Ø Concrete rubble

Sta 15Ø Near toe of steep slope. Drum 10' from reciever, concrete rubble

Sta 16Ø Concrete rubble

Sta 17Ø Concrete & Brick rubble

Pat Pawlowski

Jun 27, 94 cont.

Sta 18Ø Concrete near transmitter

Sta 19Ø See Nothing

Sta 2ØØ Concrete Rubble

Sta 21Ø at base of gentle slope.
Mound screening lab dishes laying around. Concrete rubble
Last Station

Line 2 is to dense. Line not cut skipping over to Line 3

Line 3 Sta 2ØØ Start Station
Concrete rubble, Golf ball

Sta 19Ø Concrete rubble, Asphalt, Cinder block, and Limestone Rubble

Sta 18Ø Concrete Blocks, some metal

Sta 17Ø Concrete Blocks

Sta 16Ø Concrete Rubble

Sta 15Ø Concrete Rubble

Sta 14Ø Concrete, Rebar, Blocks of Metal within Concrete, Angle Iron. Drum from Line 1 is 15' South of reciever

Sta 13Ø Concrete, Rebar, Angle Iron

Sta 12Ø Concrete Rubble

Sta 11Ø Metal wire below transmitter

Pat Pawlowski

6·27·94 cont.

Sta 100 Metal wire below transmitter, rusted bucket, concrete rubble

Sta 90 Asphalt, Concrete Rubble, Reinforced concrete, Metal Frame 5' North of transmitter

Sta 80 Concrete Rubble, Metal Frame 5' South of transmitter 10' west of top of slope

Sta 70 Top of Slope, Rebar, Concrete Rubble, Scrap Metal, Metal Pipe

Sta 60 Concrete Rubble

Sta 50 Concrete Rubble, North Slope of drainage ditch

Sta 40 10° Slope to South. Reciever downslope, concrete rubble, grasses

Sta 30 10° Slope to South, North flank of drainage ditch

Sta 20 10° Slope to South, North Flank of drainage ditch

Sta 10 Thalweg of the ditch, grasses gravel

1200 Sta 0 In the Thalweg of the drainage ditch grasses, gravel

Last Station

6·27·94 cont.

1202 Moving to next Line, Line 4

Line 4

Sta 0 North Flank of drainage ditch Start Station 10° Slope to So

Sta 10 North Flank of drainage ditch 10° Slope to South

Sta 20 North Flank of drainage ditch 10° Slope to South

Sta 30 Dn top of slope to drainage ditch, concrete rubble

Sta 40 gravel, concrete rubble, grasses

Sta 50 concrete rubble

Sta 60 concrete rubble, iron bars, wood at top of slope

Sta 70 concrete, rebar, @ reciever, 3" metal pipe

Sta 80 concrete rubble

Sta 90 concrete, rebar

Sta 100 metal wire @ reciever concrete rubble metal wire

Sta 110 metal wire @ reciever concrete rubble

Sta 120 concrete rubble

Sta 130 reciever 3' from 2 ft off ground. @ base of steep slope

sta 140 concrete rubble
sta 150 concrete rubble
sta 160 concrete rubble
sta 170 concrete rubble
transmitter 3ft in air
sta 180 concrete rubble, metal wire
sta 190 concrete rubble
sta 200 @ base of gutter slope w metal, dense concrete
12:32 P.M.
Line 5
sta 200 @ edge of pool w/ cat tails, concrete rubble
sta 190 concrete rubble
sta 180 concrete rubble
sta 170 concrete rubble, asphalt
sta 160 concrete rubble, asphalt
sta 150 concrete
sta 140 concrete
sta 130 transmitter @ downstream bottle, concrete
sta 120 @ base of steep sloped concrete
sta 110 concrete, rebar

sta 100 concrete, asphalt, rebar, metal pipes nearby
sta 90 concrete rebar, steel plumbing pipes, rebar wood, wire, steel drum lid, wire rebar
sta 80 metal strapping, rebar concrete, paint (spray) cow
sta 70 @ top of steep slope concrete
sta 60* metal cable @ transmitter
sta ~~50~~ 50 metal cable @ transmitter (really sta 40)
sta 40 (really sta 30) rubble
sta 30 (really sta 20) @ 10 end of drainage
sta 20 (really sta 10)
sta 10 (really sta 1)
END sta line 5 0+50 @ 1:10 P.M.
* sta 60 should be 50 because it is @ sta 60. average offsets to correct for error

6·27·94

Base station Test 4A
5 meas, @ 90°
end @ 1:15 P

Base station file names changed
· from Test 4 to B627A
· from Test 4A to B627B

Mag base station data
saved as BASE 627·DMP

Data changed by 4:25 P

weather: Partly Cloudy, Cool, 60% chance of rain in afternoon

CAIC Personnel:
Lance Cummings
Paul Parrish

0745 Setting up on base station checking out equipment.

Sensitivity Check reading: 23.6

Base Station file: B628A
1st Base Station Readings
Ground saturated Transmitter North
No Problems moving to Line #6

0800 Setting up on Line 6
Line 6
Sta 0+00 Crane 5' from station
Ground surface has been disturbed
File AJ628A

10 Jun. 28, 1994 cont.

Sta 10 Disturbed surface, 15' from crane
Sta 20 Disturbed surface
Sta 30 Gravel, Grasses
Sta 40 Steel Cable near receiver
Sta 50 Gravel, Grasses
Sta 60 Scrap Metal, Gravel
Sta 70 Gravel, Concrete Rubble, Scrap Metal
Sta 80 Rebar, Concrete Rubble, Asphalt
Sta 90 Steel Pipe, Concrete Rubble, Rebar, Asphalt, Drum Lid
Sta 100 concrete, rebar
Sta 110 concrete, rebar
Sta 120 concrete, scrap metal
Sta 130 brick, scrap metal
Sta 140 concrete, ls
Sta 150 concrete, ls @ base of steep slope
Sta 160 concrete, ls.
Sta 170 concrete
Sta 180 concrete, asphalt @ base of steep slope
Sta 190 grass covered
Sta 200 @ edge of pond, concrete, ls

Paul

628.94

Line 7 not cleared, much vegetation; not run

Line 8 sta 200 limestone @ edge cattail marsh
sta 190 limestone
sta 180 scrap metal roof patch, ls, concrete
sta 170 roof patch, concrete, ls, brick @ base of steep slope
sta 160 asphalt, concrete, ls.
sta 150 concrete, brick, asphalt, ls
sta 140 concrete, scrap metal, brick, ls
sta 130 ls, concrete,
sta 120 ls, brick, asphalt
sta 110 rusted metal, brick, concrete
sta 100 rebar, pipes, concrete

Paul

6-28-94

sta 90 concrete pipes very corroded

sta 80 power line pole - concrete, very corroded top of steep slope

sta 70 replant @ base of bank

sta 60 gravel - spill fill

sta 50 gravel, - spill fill no vegetation

sta 40

sta 30

sta 20

sta 10 blacktop - bituminous gravel

sta 0

6 ft from Liebherr 95 X transmitter

6 ft from concrete pit w/ metal grate

6-28-94

line 9 sta 0 2 ft from pit concrete pad w/ metal grate

sta 10 gravel fill

sta 20 gravel fill

sta 30 gravel fill

sta 40 gravel fill

sta 50 gravel fill

sta 60 @ edge of gravel fill

sta 70 wire rope supports for power pole guy wire

sta 80 pole

sta 90 top of steep slope concrete, clear

sta 100 metal rusted, concrete

sta 110 concrete, rusty bolts

sta 120 corroded, fence brick

sta 130 wire rope, concrete block

sta 140 concrete block

sta 150 concrete block

6.28.94

sta 160 concrete, asphalt
sta 170 concrete, asphalt, base of step edge
sta 180 b.o. concrete
sta 190 "
sta 200 (c) edge of cut toe wetland & [illegible] @ surface

Line 10 (c) edge cut toe wetland
sta 200 grass
sta 190 grass, concrete, strip metal to pour
sta 180 @ base of step edge concrete
sta 170 concrete
sta 160 concrete
sta 150 "
sta 140 "
sta 130 "
sta 120 " metal pipe 8" @ flume

6.28-94

Sta 100 @ receiving metal concrete
sta 100 @ top of step edge finished

sta 90 ing concrete concrete
sta 80 "
sta 70 "
sta 60 "
sta 50 at edge of grade fill - ing concrete
sta 40 at edge grade fill, scraps metal
sta 30 on grade fill
sta 20 "
sta 10 "
sta 0 lift tray concrete put w/in grade

June 30, 1994 Thursday

Sunny Blue Skies, 5-10mph wind from west. 72°F

SAIC Personnel: George Wahl
Paul Parrish

0830 Set up Base Station for Magnetometer
0842 Stand Survey. Equipment Checked Out.

0857 Start Line 2 N10

Sta	200	Concrete Rubble	Base of Gentle Slope
Sta	190	Concrete Rubble	
Sta	180	Concrete Rubble, Cider Blocks	
Sta	170	Concrete Rubble	
Sta	160	Concrete Rubble	
Sta	150	Concrete Rubble	
Sta	140	Base of Steep Slope, Concrete Rubble, Drum 5' from Station	
Sta	130	Concrete Rubble, Drum 3' from Station	
Sta	120	Concrete Rubble	
Sta	110	Concrete Rubble	
Sta	100	Reinforced Concrete	

Sta 9Ø Concrete, Metal Pipe
Sta 8Ø Top Steep Slope, Don't See Anything
Sta 7Ø Grasses
Sta 6Ø Grasses, Gravel
Sta 5Ø Grasses, Gravel
Sta 4Ø Grasses
Sta 3Ø Grasses, Bottom of Drainage Ditch
Sta 2Ø Grasses, Bottom of Drainage Ditch
Sta 1Ø Grasses, Bottom of Drainage Ditch
Sta Ø South Slope of Drainage Ditch
Next Line
Line 3 20 N

Ø945 Finish Line 6 50 N
Line 7 60N
Sta Ø Ground Surface disturbed
Sta 1Ø Ground Surface disturbed
Sta 2Ø Ground Surface Disturbed
Sta 3Ø Sparse Grasses, Gravel, lg pieces
Sta 4Ø Sparse Grasses, Gravel, lg pieces
Sta 5Ø Gravel, lg pieces
Sta 6Ø Concrete Rubble, Gravel
Sta 7Ø Concrete Rubble
Sta 8Ø Concrete Reinforced, Cider Blocks Top of Slope

Sta 9Ø Concrete, Reinforced
Sta 1ØØ Concrete Rubble, Steel Pipes
Sta 11Ø Concrete Rubble
Sta 12Ø Concrete Rubble, Rebar
Sta 13Ø Concrete Rubble, Scrap Metal
Sta 14Ø Concrete Rubble, Rebar
Sta 15Ø Concrete Rubble
Sta 16Ø Concrete Rubble
Sta 17Ø Concrete Rubble
Sta 18Ø Asphalt Rubble
Sta 19Ø Don't See Anything
Sta 2ØØ Base of Steep Slope
Moving to Line 8 70N

1Ø45 Start Line 12 110N
Sta 2ØØ Concrete Rubble, Roof Patch
Sta 19Ø Base of Steep Slope, Concrete Rubble
Sta 18Ø Concrete Rubble
Sta 17Ø Concrete? Brick Rubble
Sta 16Ø Concrete Rubble
Sta 15Ø Concrete Rubble
Sta 14Ø Concrete Rubble
Sta 13Ø Concrete Rubble

Sta 12Ø Concrete Rubble
Sta 11Ø Concrete Rubble, Scrap Metal
Sta 10Ø Concrete Rubble, Top of Slope
Sta 9Ø Concrete Rubble, Grasses
Sta 8Ø Grasses
Sta 7Ø Grasses
Sta 6Ø Grasses
Sta 5Ø Grasses
Sta 4Ø Grasses
Sta 3Ø Grasses
Sta 2Ø Pile of Concrete and Asphalt
Sta 1Ø Concrete Sewer Pipe Manhole Cover
Sta Ø Station inbetween manhole and concrete drain or sump covered with iron grating

Line 13 12D N

Sta Ø Grasses
Sta 1Ø Concrete, ls, asphalt Rubble pile
Sta 2Ø Next to Concrete Manhole
Sta 3Ø Grasses
Sta 4Ø Grasses
Sta 5Ø Grasses
Sta 6Ø Grasses
Sta 7Ø Concrete, Rebar

Sta 8Ø Concrete, Grasses
Sta 9Ø Concrete, Grasses
Sta 1ØØ Grasses
Sta 11Ø Concrete
Sta 12Ø Top of Slope, Concrete
Sta 13Ø Concrete Rubble
Sta 14Ø Concrete Rubble
Sta 15Ø Concrete Rubble, Bricks
Sta 16Ø Concrete Rubble
Sta 17Ø Concrete Rubble
Sta 18Ø Concrete Rubble, Cinder Blocks ls
Sta 19Ø Base of Sump Slope Concrete Rubble
Sta 2ØØ Last Station, Don't See Anything

Line 14 13D N

Sta 2ØØ ls Rubble
Sta 19Ø Concrete and ls rubble Base of Sump Slope
Sta 18Ø Concrete Rubble, Metal Pipe
Sta 17Ø Concrete Rubble
Sta 16Ø Concrete Rubble
Sta 15Ø Concrete Rubble
Sta 14Ø Concrete Rubble
Sta 13Ø Concrete Rubble

Sta 12ϕ Top of Slope Concrete Rubble
Sta 11ϕ Grasses
Sta 1ϕϕ Grasses
Sta 9ϕ Grasses
Sta 8ϕ Grasses
Sta 7ϕ Grasses
Sta 6ϕ Is rubble
Sta 5ϕ Tree
Sta 4ϕ Grasses
Sta 3ϕ Grasses
Sta 2ϕ Wooden Box 3' ahead
Sta 1ϕ (2) manhole covers 4' E
Sta ϕ Manhole covers 6" from station
1117 Finish Survey take break then
continue with EM-31
1140 Setting up on base station.
- file B63ϕA
everything checks out
file AS63ϕA for lines 2, 7, and 12
up in the flat area on top.
file B63ϕB EOD Base
121ϕ Pack up equipment and head back to
trailer

7/18/96
EM-34 survey

Elva Jackson, Joe Schuttkers
Dave Cummings

on site 12:30 P.M
partly cloudy, ~90°F
good day!

7/19

on site, 8:00 AM

weather sunny - good day; Transmitter +N

File Base 3 7/19

Sta 3 Area J5 Line 20

4 Area J6 JC3 Line 30 @E. end @5' Sta

5 Area J7 Line 40

6 Area J8 Line 50

9 Area J9 LINE 60

Area J10 Line 70

9 Area J11 Line 80

10 Area J12 Line 90

@ Sta 10, 7 ft south of concrete/steel manhole

11 Area J13 Line 100

@ Sta 10, 1 ft N of 2 drainhole

12 Area J14 Line 110

Line 120 (station 13) not run - not enough stations to make survey worthwhile (5 + 1/2 stations each end field

File Base

@ 11:20 AM

7/19/94

Base station located 111 feet NNW of Drain (Grate)

SSW of Well 0326 — 91½ feet

Metal Grate over concrete pit 10'.3 X 25'

1:15 Pack up head back to trailer + office.

[signature] 7/19/94

Base

JC 11 west 17 ft
JD 11 east 8

Geophysics #1 0+00 at JC5

Geophysics #6 0+00 at JC3

Geophysics #11 0+00 at JC 1

NPDES #3 1 boring 5' from MH center 3' east

NPDES #4 2 borings

NPDES #2 2 borings 11 ft from MH center (along line) 15 ft one ft. south of line

NPDES #1 2 borings

NPDES 8 2 borings 6ft apart 3 ft south of line
157ft west of MH8

NPDES 7 2 borings 37' west of MH
42' west of MH
4 ft south of line
5ft

NPDES 6 2 borings maybe 3
2nd boring 3ft south of MH 6

NPDES 5 2 borings 14' west of MH
17' west of MH
4ft north of line

PLATE 1: Mound Plant OU5 Phase 1 RI/FS Operational Area, Locations of Areas of Concern

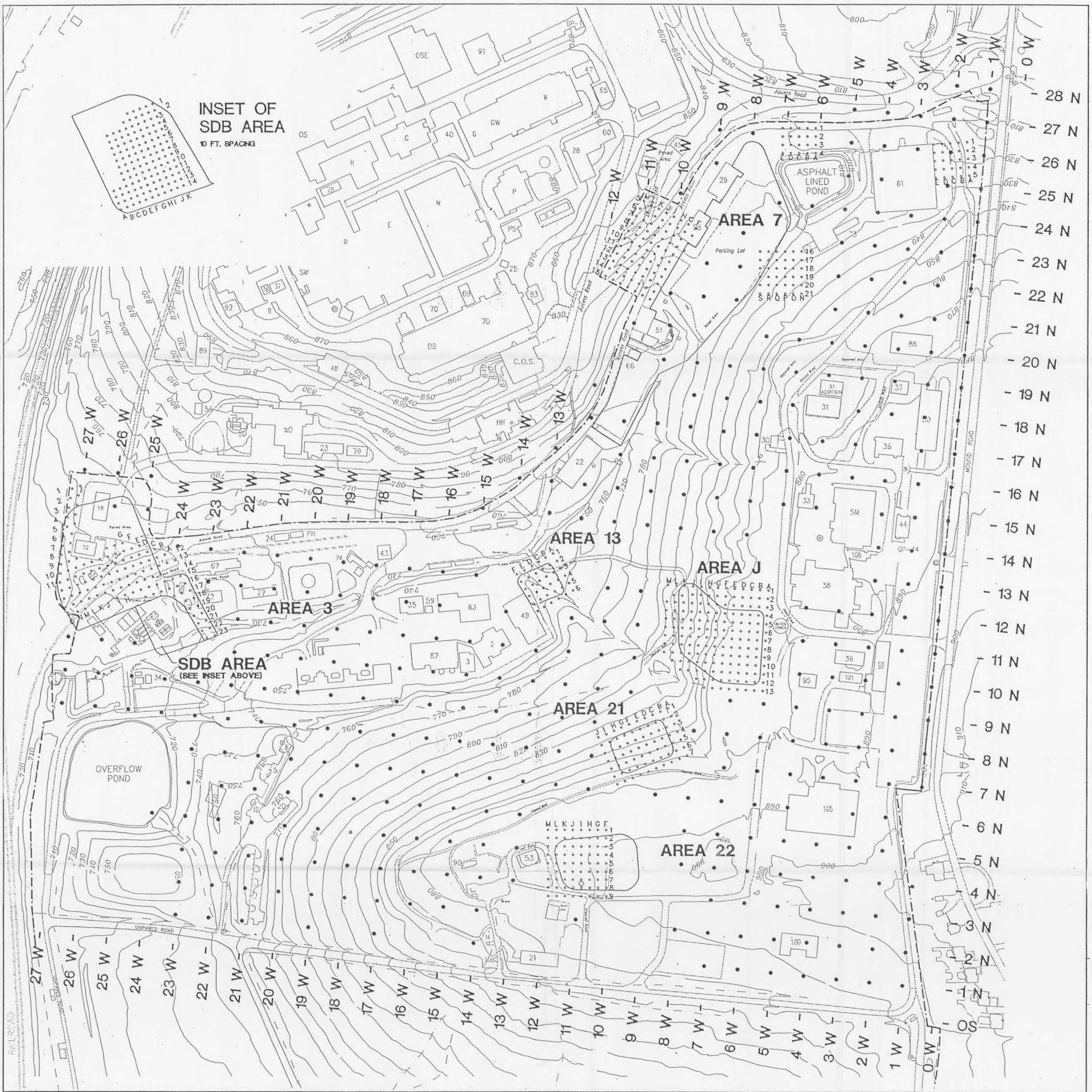


FIGURE:

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

E:\MAPS\MOUND\MSC.DWG 8/

Part 2 of 4

25-02-10-01
9509210017

APPENDIX B

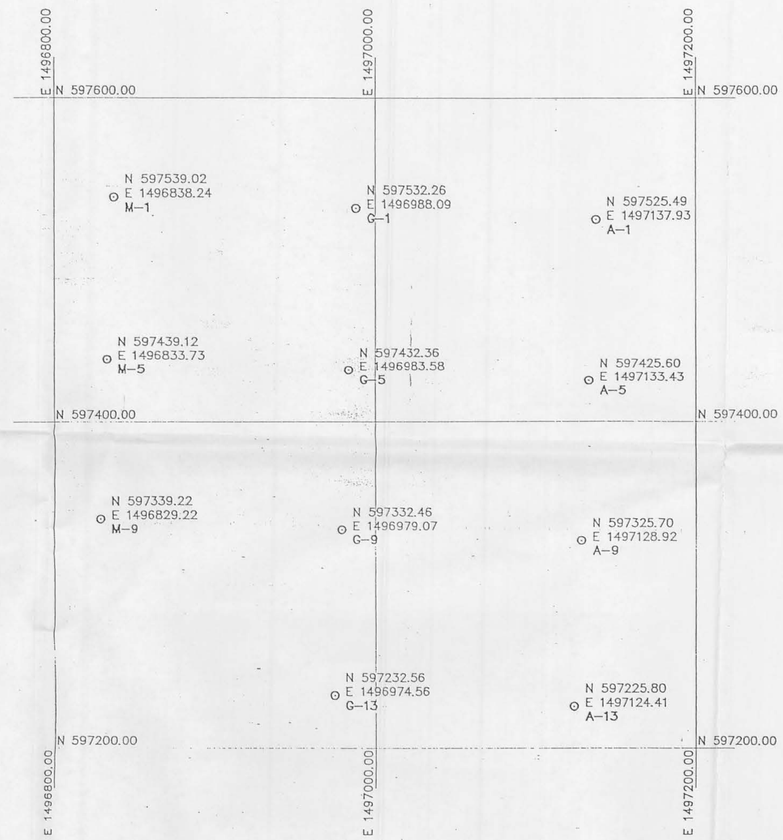
SURVEY MAPS

PLATE 1: Survey Map of Located Grid Points
Ohio State Plane Coordinate System (1927)

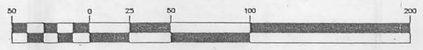
PLATE 2: Survey Map of Located Grid Points
Mound Plant Coordinate System

AREA J
MOUND LAB
MIAMISBURG, OHIO

SPC-GRID



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 SBW	CHECKED JPH	
DATE 7/11/94	JOB NO. L2952		

AREA J
MOUND LAB
MIAMISBURG, OHIO

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

APPENDIX B

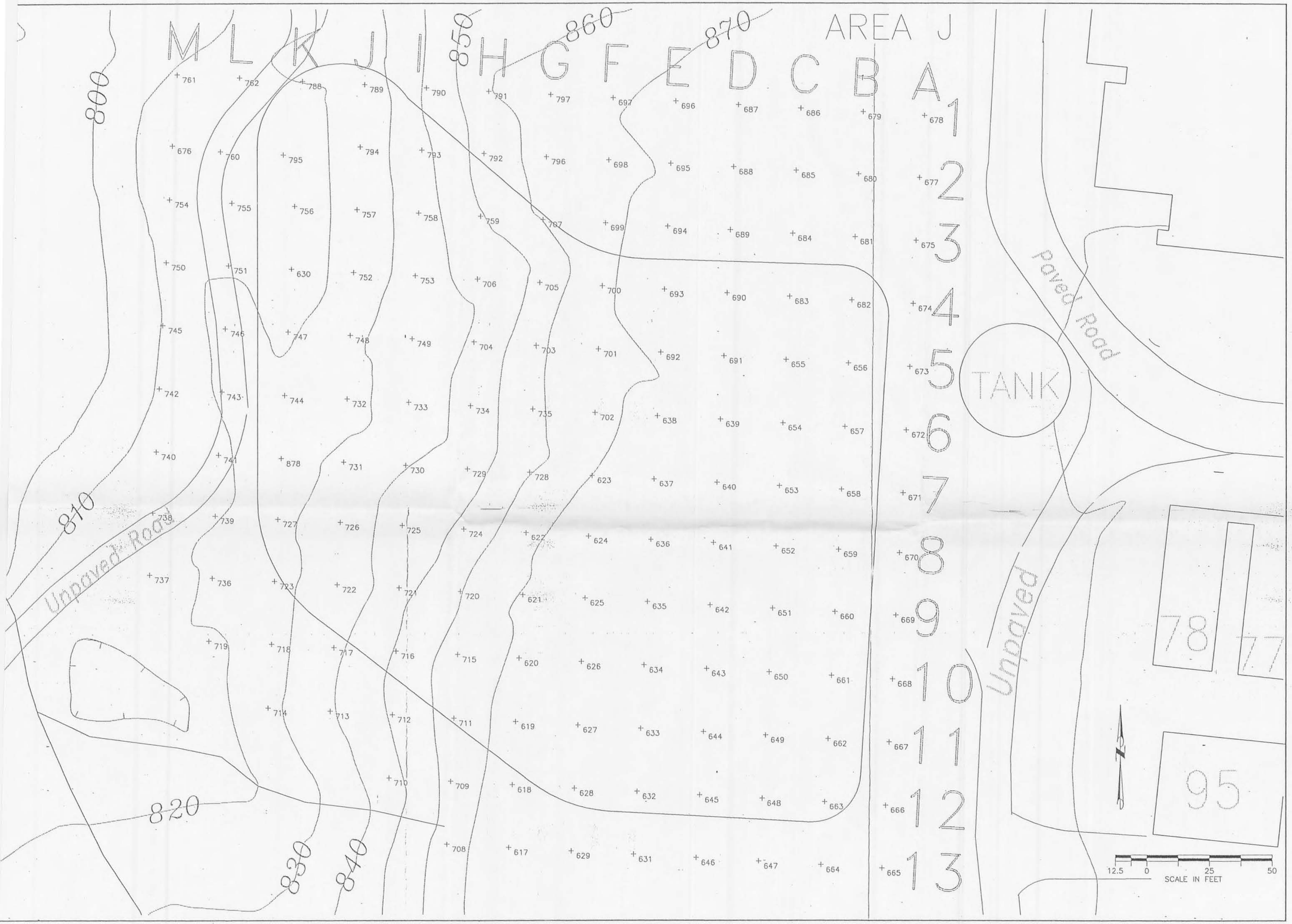
PLATE 2 SURVEY MAP
MOUND PLANT COORDINATE SYSTEM

LEGEND

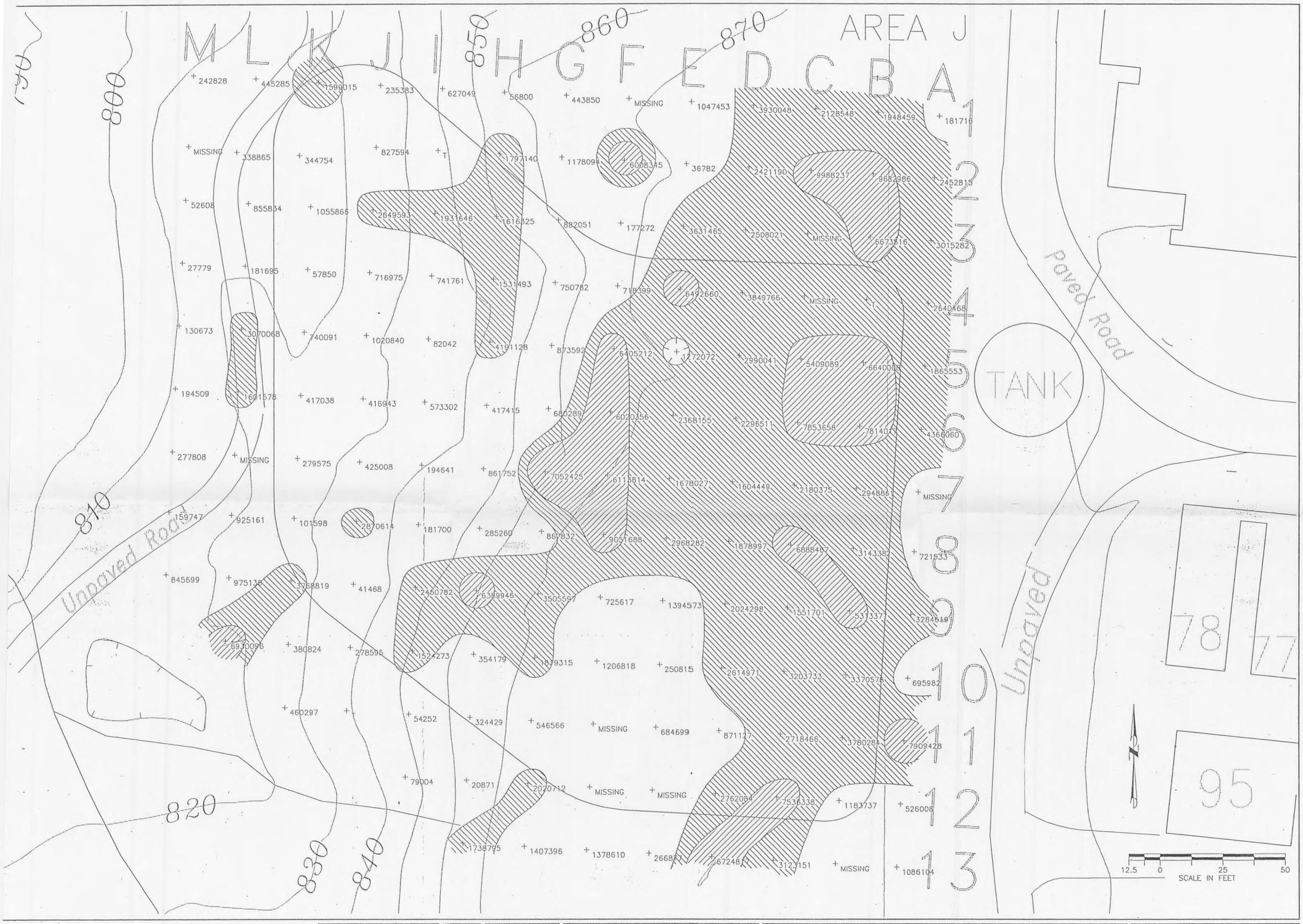
⊙ LOCATED POINT A-1 GRID LOCATION

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

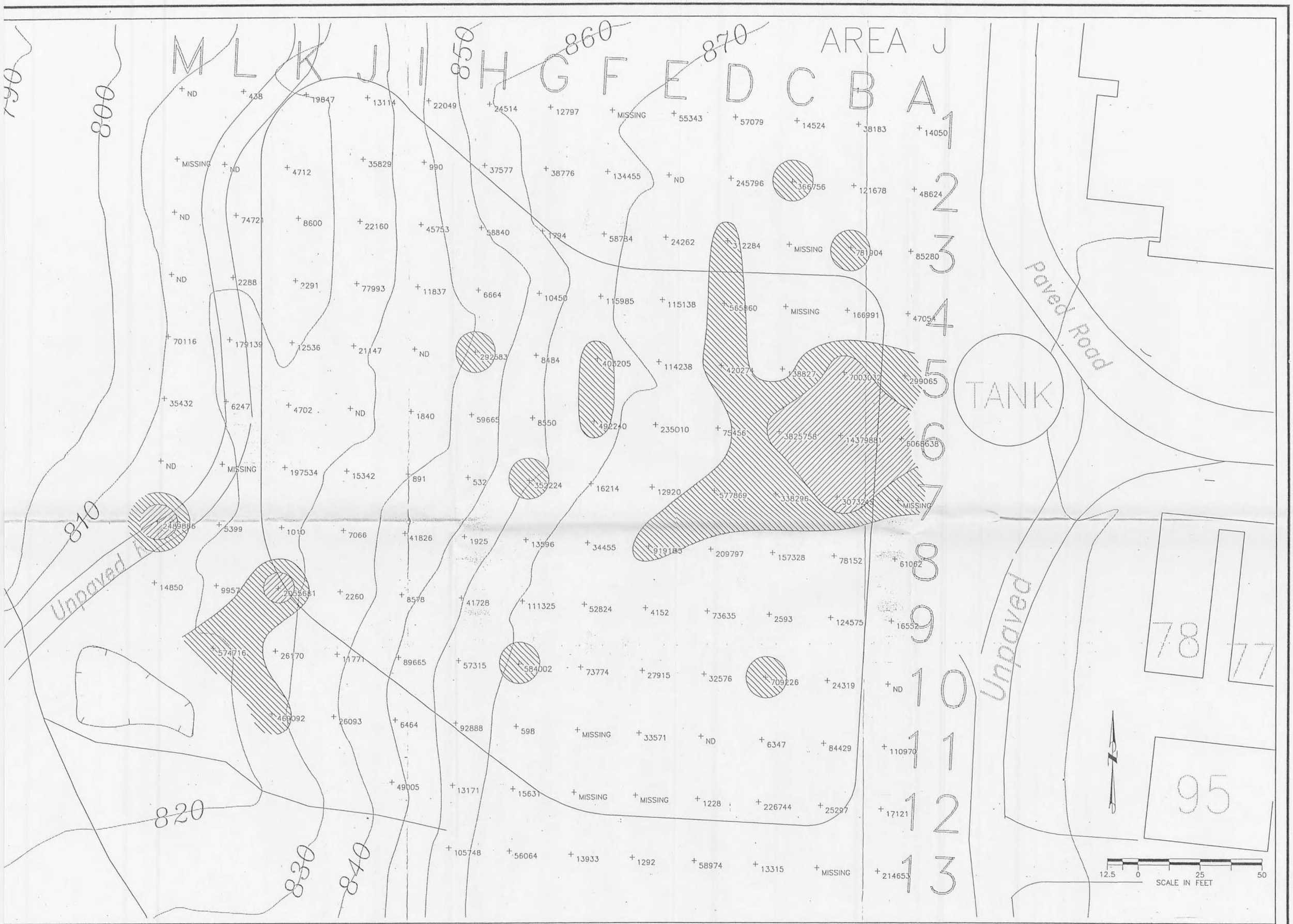
SCALE 1"=50'	DRAWN SBW	CHECKED JPH
DATE 7/19/94	JOB NO. L2952	



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 12, 1994 File Name: aocj-1.dwg	AOC-J/Operable Unit-5 USDOE Mound Facility Miamisburg, Ohio PETREX FINGERPRINT TECHNOLOGY®	LEGEND Features: + PETREX Sample Location	Sample Locations Plate 1



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 12, 1994 File Name: aocj-2.dwg	AOC-J/Operable Unit-5 USDOE Mound Facility Miamisburg, Ohio PETREX FINGERPRINT TECHNOLOGY®	LEGEND Relative Response Values: ≥ 5,000,000 1,500,000 – 4,999,999 Features: + PETREX Sample Location T Denotes interference by terpenes; see text.	Relative Response Total Aromatic Hydrocarbons Plate 2



Prepared by:
Northeast Research Institute LLC
605 Parfet Street
Suite 100
Lakewood, Colorado 80215
(303) 238-0090

Drawn By:	Project #:
JCS	2114E
Checked By:	Date: October 12, 1994
Project Manager: PCB	File Name: aocj-3.dwg

AOC-J/Operable Unit-5

USDOE Mound Facility
Miamisburg, Ohio

PETREX FINGERPRINT TECHNOLOGY®

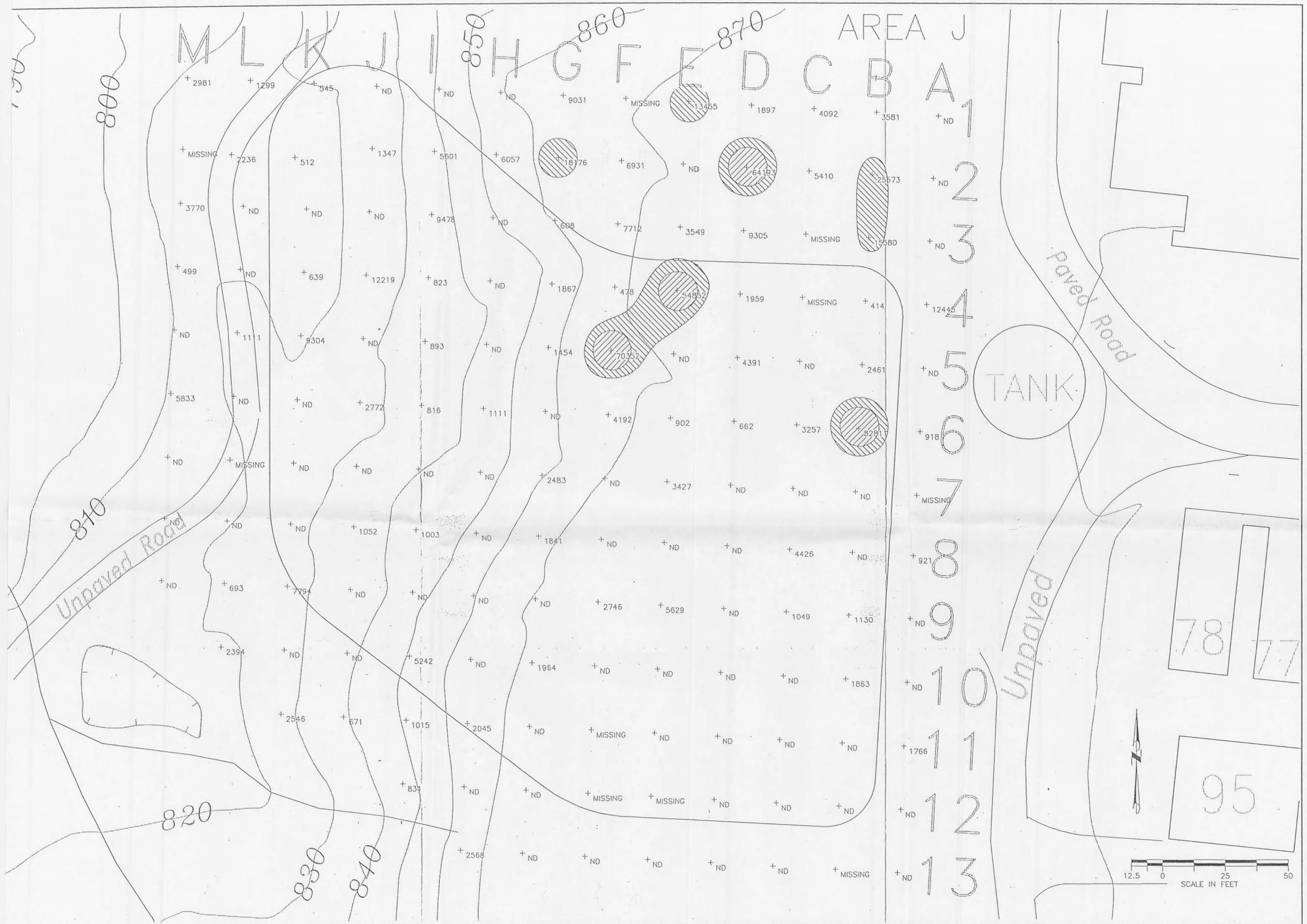
LEGEND

Relative Response Values:
≥ 2,000,000
250,000 – 1,999,999

Features:
+ PETREX Sample Location
ND Not Detected

Relative Response
Total Semivolatile Hydrocarbons

Plate 3



Prepared by:
Northeast Research Institute LLC
605 Parfet Street
Suite 100
Lakewood, Colorado 80215
(303) 238-0090

Drawn By: JCS	Project #: 2114E
Checked By:	Date: October 12, 1994
Project Manager: PCB	File Name: aocj-4.dwg

AOC-J/Operable Unit-5

USDOE Mound Facility
Miamisburg, Ohio

PETREX FINGERPRINT TECHNOLOGY®

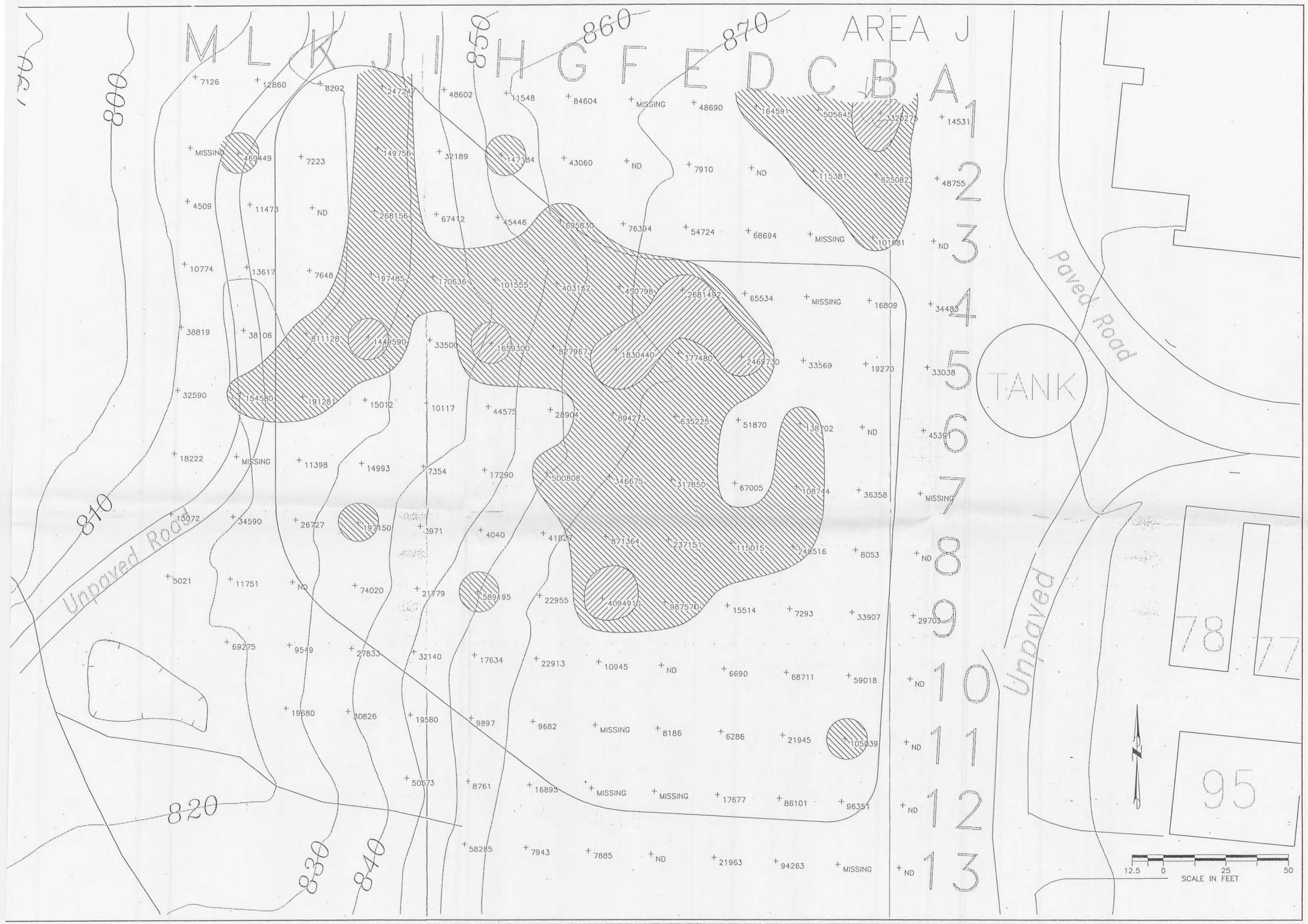
Relative Response Values:
≥ 52,000
13,000 – 51,999

LEGEND

Features:
+ PETREX Sample Location
ND Not Detected

Relative Response
Total Oil & Grease Range Hydrocarbons

Plate 4



Prepared by:
Northeast Research Institute LLC
605 Parfet Street
Suite 100
Lakewood, Colorado 80215
(303) 238-0090

Drawn By:	Project #:
JCS	2114E
Checked By:	Date: October 12, 1994
Project Manager: PCB	File Name: aocj-5.dwg

AOC-J/Operable Unit-5

USDOE Mound Facility
Miamisburg, Ohio

PETREX FINGERPRINT TECHNOLOGY®

LEGEND

Relative Response Values:
≥ 1,000,000
100,000 – 999,999

Features:
+ PETREX Sample Location
ND Not Detected

Relative Response
Total Halogenated Hydrocarbons

Plate 5

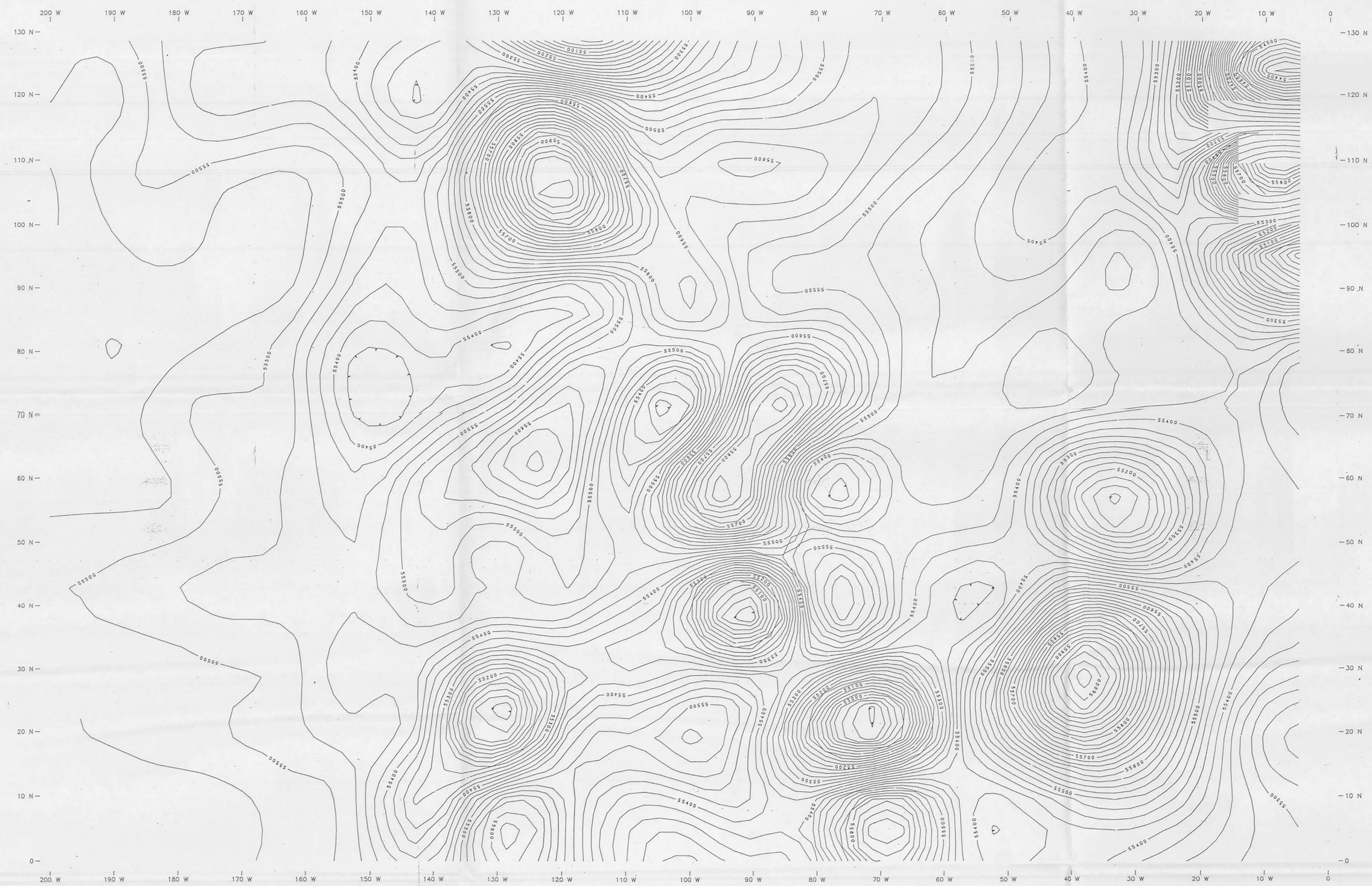


PLATE I

5 0 5 10 15 20 25
(feet)

Contour Interval 25 nanoteslas

EG&G MOUND
AREA J NW QUADRANT
MAGNETIC TOTAL-FIELD
SAIC

PLATE 2

5 0 5 10 15 20 25
(feet)

Contour Interval 20 nanoteslas/meter

EG&G MOUND
AREA J NW QUADRANT
MAGNETIC GRADIENT
SAIC

PLATE 3

5 0 5 10 15 20 25
(feet)

Contour Interval 2.5 millisiemens/meter

EG&G MOUND
AREA J NW QUADRANT
EM-31 HORIZONTAL QUADRATURE
SAIC

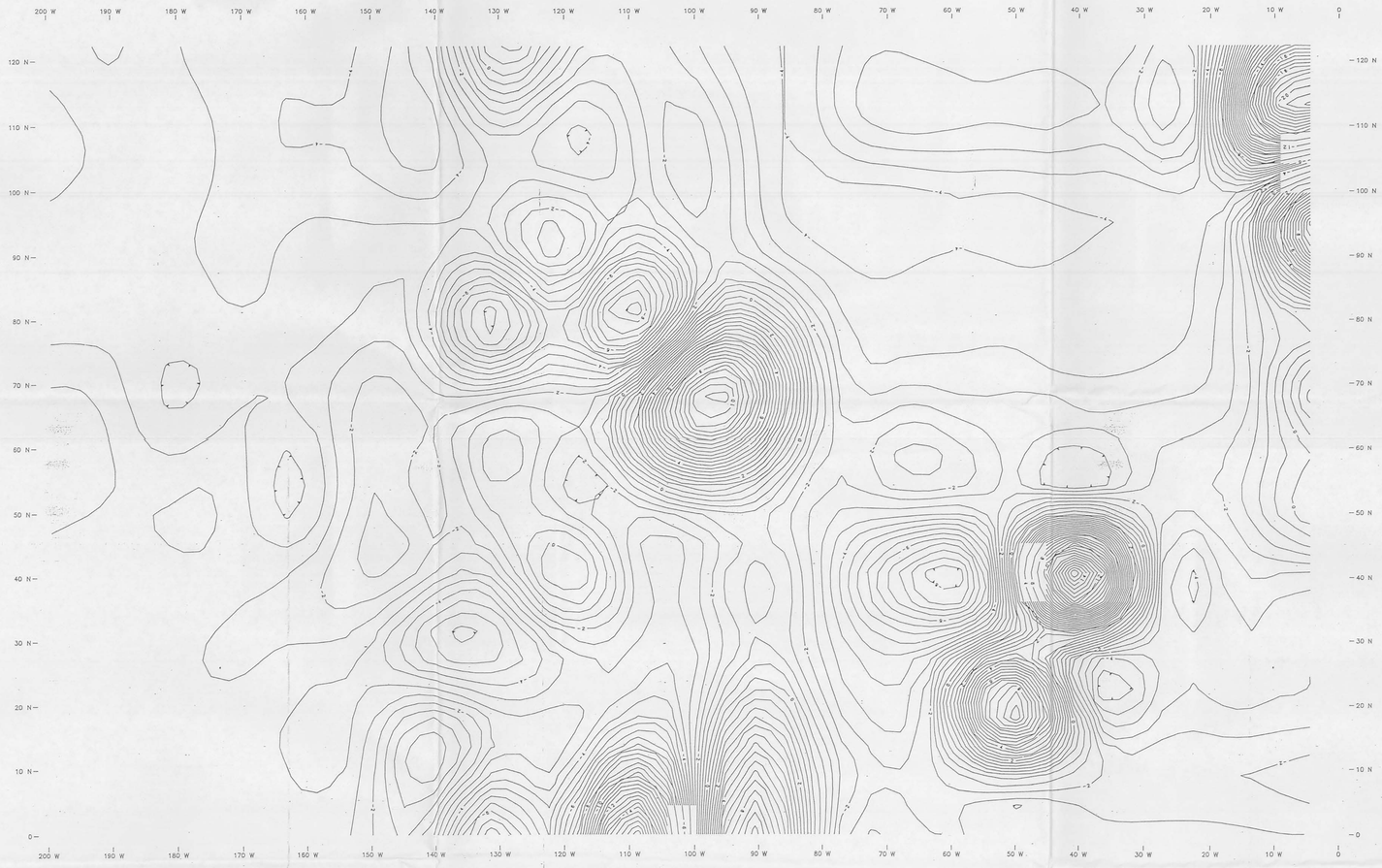


PLATE 4

5 0 5 10 20 25
(feet)

Contour Interval 0.5 rts/thousand

EG&G MOND
AREA J NW QUANT
EM-31 HORIZONTAL-PHASE
SAIC

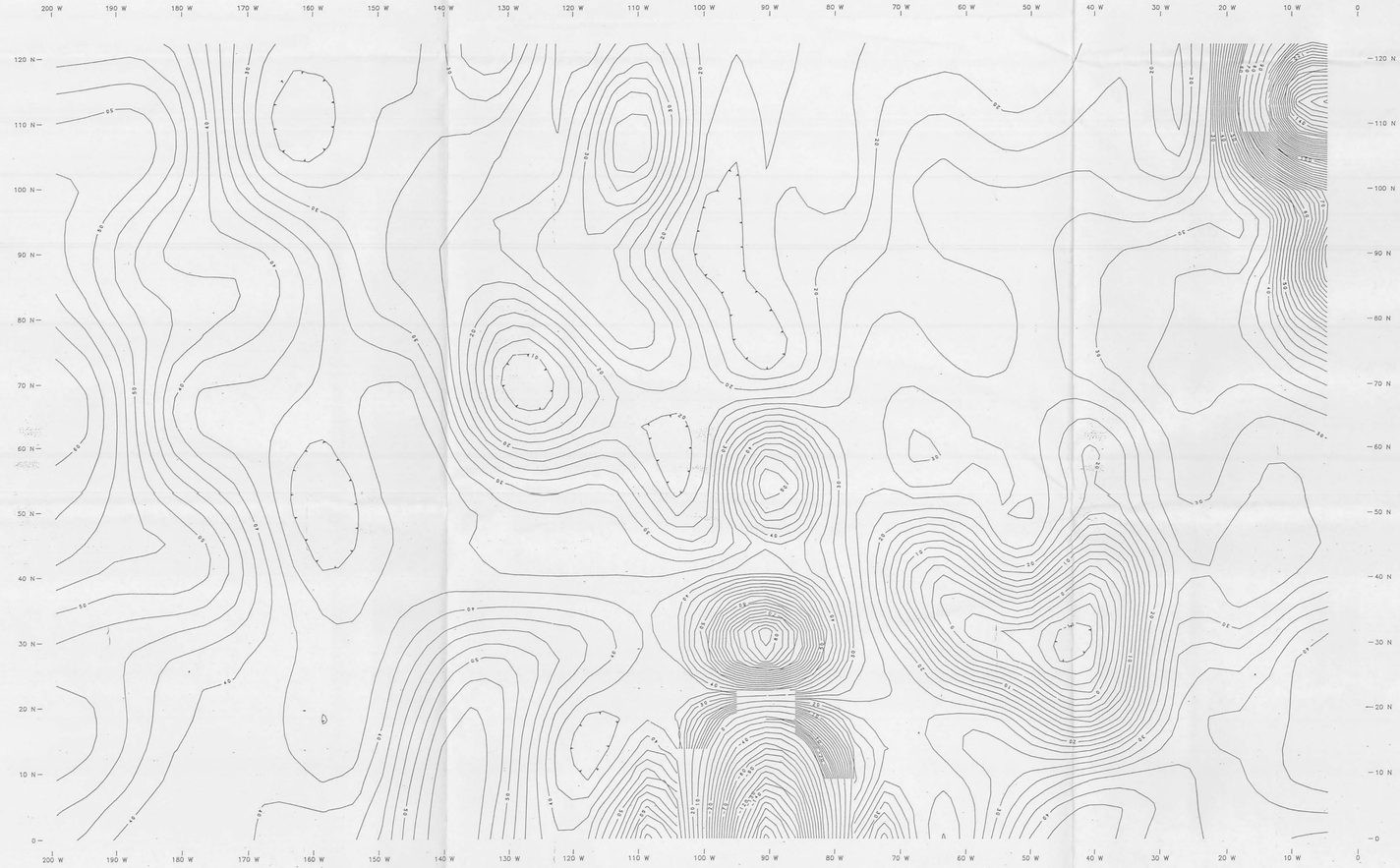


PLATE 5

5 0 5 10 15 20 25
(feet)

Contour Interval 2.5 millisiemens/meter

EG&G MOUND
AREA J NW QUADRANT
EM-31 VERTICAL QUADRATURE
SAIC

PLATE

5 0 5 10 15 20 25

Contour Inter 1.0 parts/thousand

EG&G OUND
AREA J QUADRANT
EM-31 VERTICAL IN-PHASE

N

PLATE 7

5 0 5 10 15 20 25
(feet)

Contour Interval 0.5 millisiemens / meter

EG&G MOUND
AREA J NW QUADRANT
EM-34 HORIZONTAL QUADRATURE
SAIC

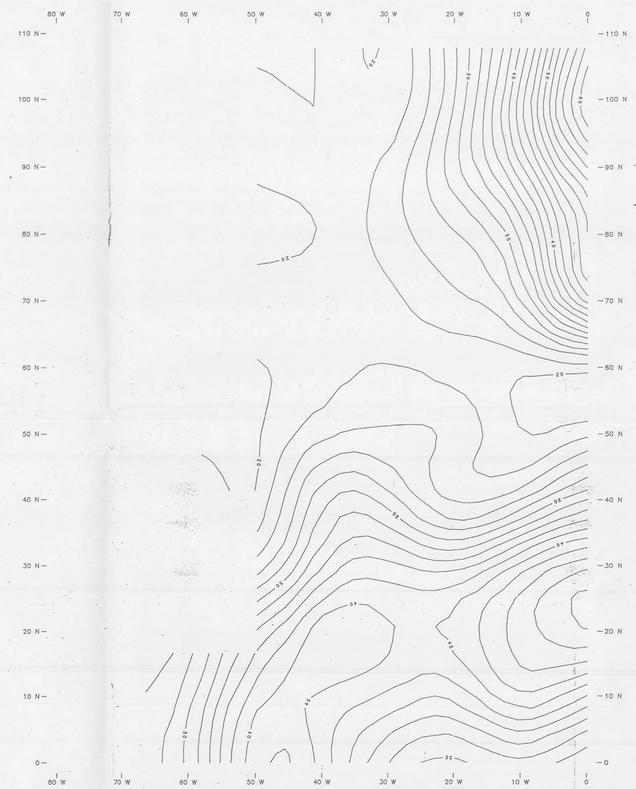


PLATE 8

5 0 5 10 15 20 25
(feet)

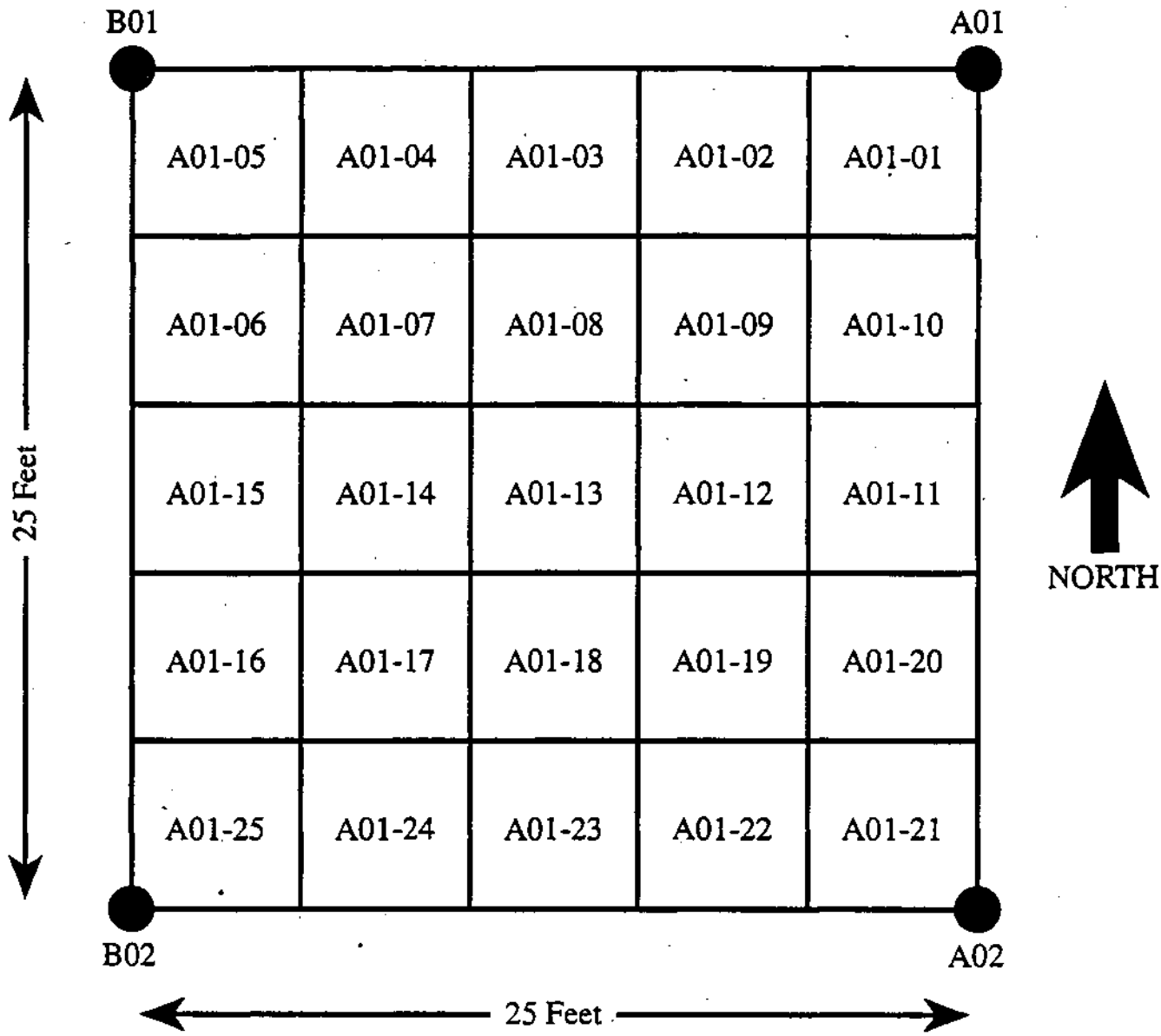
Contour Interval 2.0 millisiemens / meter

EG&G MOUND
AREA J NW QUADRANT
EM-34 VERTICAL QUADRATURE
SAIC

Part 3 of 4

25-02-10-01
9509210017

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 J

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:
JA01	NA	NA	NA	NA	NA	NR	0		0	
JA01-01	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-02	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-03	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-04	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA01-05	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA01-06	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA01-07	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-08	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA01-09	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-10	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-11	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-12	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-13	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JA01-14	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-15	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-16	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-17	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA01-18	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA01-19	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-20	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA01-21	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA01-22	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA01-23	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA01-24	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA01-25	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA02	NA	NA	NA	NA	NA	NR	8		1	
JA02-01	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA02-02	249.6	NA	4.29	NA	9.36	4.0	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:
JA02-03	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-04	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-05	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-06	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-07	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JA02-08	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-09	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-10	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA02-11	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA02-12	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JA02-13	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JA02-14	249.6	NA	4.29	NA	9.36	3.0	NC		NC	
JA02-15	249.6	NA	4.29	NA	9.36	3.0	NC		NC	
JA02-16	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-17	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-18	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA02-19	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA02-20	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA02-21	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-22	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA02-23	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-24	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JA02-25	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA03	NA	NA	NA	NA	NA	NR	NS		NS	
JA03-01	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JA03-02	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-03	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA03-04	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA03-05	249.6	NA	4.29	NA	9.36	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:
JA03-06	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JA03-07	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-08	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-09	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-10	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JA03-11	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA03-12	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA03-13	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-14	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JA03-15	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JA03-16	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-17	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-18	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-19	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-20	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-21	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA03-22	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JA03-23	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-24	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA03-25	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JA04	NA	NA	NA	NA	NA	NR	4		0	
JA04-01	165.9	NA	11.81	NA	13.52	4.5	NC		NC	
JA04-02	165.9	NA	11.81	NA	13.52	5.0	NC		NC	
JA04-03	165.9	NA	11.81	NA	13.52	6.0	NC		NC	
JA04-04	165.9	NA	11.81	NA	13.52	6.0	NC		NC	
JA04-05	165.9	NA	11.81	NA	13.52	5.0	NC		NC	
JA04-06	165.9	NA	11.81	NA	13.52	6.0	NC		NC	
JA04-07	165.9	NA	11.81	NA	13.52	6.0	NC		NC	
JA04-08	165.9	NA	11.81	NA	13.52	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:
JA04-09	165.9	NA	11.81	NA	13.52	5.0	NC		NC	
JA04-10	165.9	NA	11.81	NA	13.52	5.0	NC		NC	
JA04-11	165.9	NA	11.81	NA	13.52	5.0	NC		NC	
JA04-12	165.9	NA	11.81	NA	13.52	4.5	NC		NC	
JA04-13	165.9	NA	11.81	NA	13.52	5.0	NC		NC	
JA04-14	165.9	NA	11.81	NA	13.52	6.5	NC		NC	
JA04-15	165.9	NA	11.81	NA	13.52	7.0	NC		NC	
JA04-16	165.9	NA	11.81	NA	13.52	6.0	NC		NC	
JA04-17	165.9	NA	11.81	NA	13.52	6.0	NC		NC	
JA04-18	165.9	NA	11.81	NA	13.52	7.5	NC		NC	
JA04-19	165.9	NA	11.81	NA	13.52	7.0	NC		NC	
JA04-20	165.9	NA	11.81	NA	13.52	6.5	NC		NC	
JA04-21	165.9	NA	11.81	NA	13.52	7.0	NC		NC	
JA04-22	165.9	NA	11.81	NA	13.52	7.0	NC		NC	
JA04-23	165.9	NA	11.81	NA	13.52	7.0	NC		NC	
JA04-24	165.9	NA	11.81	NA	13.52	6.5	NC		NC	
JA04-25	165.9	NA	11.81	NA	13.52	6.5	NC		NC	
JA05	NA	NA	NA	NA	NA	NR	20		1	
JA05-01	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-03	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-04	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-05	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-06	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-07	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-08	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JA05-09	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-10	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JA05-11	123.5	NA	6.76	NA	7.8	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:
JA05-12	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-13	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-14	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-15	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-16	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-17	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JA05-18	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-19	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-20	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-21	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-22	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-23	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA05-24	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA05-25	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JA06	123.5	NA	6.76	NA	7.8	6.5	28	a	1	
JA06-01	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA06-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA06-03	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA06-04	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JA06-05	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JA06-06	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JA06-07	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA06-08	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA06-09	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA06-10	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA06-11	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA06-12	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA06-13	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JA06-14	123.5	NA	6.76	NA	7.8	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:
JA07-18	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JA07-19	123.5	NA	6.76	NA	7.8	4.0	NC		NC	
JA07-20	123.5	NA	NA	NA	NA	NS	NC		NC	
JA07-21	123.5	NA	NA	NA	NA	NS	NC		NC	
JA07-22	123.5	NA	6.76	NA	7.8	4.0	NC		NC	
JA07-23	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JA07-24	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JA07-25	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JA08	NA	NA	NA	NA	NA	NR	9		0	
JA08-01	197.6	NA	10.66	NA	11.83	5.0	NC		NC	
JA08-02	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JA08-03	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-04	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-05	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-06	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-07	197.6	NA	10.66	NA	11.83	6.5	NC		NC	
JA08-08	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JA08-09	197.6	NA	10.66	NA	11.83	6.5	NC		NC	
JA08-10	197.6	NA	10.66	NA	11.83	5.5	NC		NC	
JA08-11	197.6	NA	10.66	NA	11.83	5.5	NC		NC	
JA08-12	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JA08-13	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-14	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-15	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-16	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JA08-17	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JA08-18	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-19	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JA08-20	197.6	NA	10.66	NA	11.83	4.0	NC		NC	

PENDIX 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:
JA08-21	197.6	NA	10.66	NA	11.83	5.5	NC		NC	
JA08-22	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JA08-23	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JA08-24	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA08-25	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JA09	NA	NA	NA	NA	NA	NR	17		1	
JA09-01	197.6	NA	10.66	NA	11.83	4.5	NC		NC	
JA09-02	197.6	NA	10.66	NA	11.83	6.5	NC		NC	
JA09-03	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA09-04	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JA09-05	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JA09-06	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JA09-07	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JA09-08	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA09-09	197.6	NA	10.66	NA	11.83	6.5	NC		NC	
JA09-10	197.6	NA	10.66	NA	11.83	5.0	NC		NC	
JA09-11	197.6	NA	10.66	NA	11.83	6.0	NC		NC	
JA09-12	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA09-13	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA09-14	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JA09-15	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JA09-16	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JA09-17	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA09-18	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JA09-19	197.6	NA	10.66	NA	11.83	6.0	NC		NC	
JA09-20	197.6	NA	10.66	NA	11.83	6.0	NC		NC	
JA09-21	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JA09-22	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA09-23	197.6	NA	10.66	NA	11.83	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:
JA09-24	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JA09-25	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JA10	NA	NA	NA	NA	NA	NR	13		1	
JA10-01	165.1	NA	10.53	NA	12.35	6.0	NC		NC	
JA10-02	165.1	NA	10.53	NA	12.35	6.0	NC		NC	
JA10-03	165.1	NA	10.53	NA	12.35	6.5	NC		NC	
JA10-04	165.1	NA	10.53	NA	12.35	7.0	NC		NC	
JA10-05	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA10-06	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA10-07	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA10-08	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA10-09	165.1	NA	10.53	NA	12.35	6.0	NC		NC	
JA10-10	165.1	NA	10.53	NA	12.35	6.5	NC		NC	
JA10-11	165.1	NA	10.53	NA	12.35	6.0	NC		NC	
JA10-12	165.1	NA	10.53	NA	12.35	7.0	NC		NC	
JA10-13	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA10-14	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA10-15	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA10-16	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA10-17	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA10-18	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA10-19	165.1	NA	10.53	NA	12.35	7.0	NC		NC	
JA10-20	165.1	NA	10.53	NA	12.35	6.5	NC		NC	
JA10-21	165.1	NA	10.53	NA	12.35	6.5	NC		NC	
JA10-22	165.1	NA	10.53	NA	12.35	6.0	NC		NC	
JA10-23	165.1	NA	10.53	NA	12.35	7.0	NC		NC	
JA10-24	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA10-25	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA11	NA	NA	NA	NA	NA	NR	5		1	

PENDIX 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:
JA11-01	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA11-02	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA11-03	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA11-04	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA11-05	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-06	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-07	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA11-08	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA11-09	165.1	NA	10.53	NA	12.35	7.5	NC		NC	
JA11-10	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA11-11	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA11-12	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-13	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-14	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-15	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-16	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-17	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA11-18	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-19	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA11-20	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA11-21	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JA11-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-23	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA11-24	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA11-25	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12	NA	NA	NA	NA	NA	NR	7		1	
JA12-01	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA12-02	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA12-03	165.1	NA	10.53	NA	12.35	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:
JA12-04	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-05	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-06	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA12-07	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA12-08	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-09	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-10	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-11	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA12-12	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA12-13	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JA12-14	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-15	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA12-16	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA12-17	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-18	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-19	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-20	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA12-21	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JA12-23	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA12-24	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA12-25	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JA13	NA	NA	NA	NA	NA	NR	5		1	
JB01	NA	NA	NA	NA	NA	NR	NS		NS	
JB01-01	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-02	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-03	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB01-04	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-05	249.6	NA	4.29	NA	9.36	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:
JB01-06	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB01-07	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-08	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-09	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB01-10	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB01-11	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-12	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-13	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-14	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-15	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JB01-16	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JB01-17	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-18	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-19	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-20	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-21	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-22	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB01-23	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-24	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB01-25	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB02	NA	NA	NA	NA	NA	NR	31	a	0	
JB02-01	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-02	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-03	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-04	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-05	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB02-06	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-07	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB02-08	249.6	NA	4.29	NA	9.36	3.5	NC		NC	

PENDIX 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:
JB02-09	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB02-10	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB02-11	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB02-12	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB02-13	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JB02-14	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-15	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-16	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB02-17	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB02-18	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB02-19	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB02-20	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB02-21	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB02-22	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB02-23	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB02-24	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB02-25	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB03	NA	NA	NA	NA	NA	NR	14		1	
JB03-01	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JB03-02	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-03	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-04	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-05	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-06	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-07	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-08	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-09	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-10	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-11	249.6	NA	4.29	NA	9.36	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:
JB03-12	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-13	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-14	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-15	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-16	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-17	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-18	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB03-19	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB03-20	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB03-21	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB03-22	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JB03-23	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-24	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB03-25	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB04	NA	NA	NA	NA	NA	NR	0		0	
JB04-01	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB04-02	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JB04-03	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JB04-04	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JB04-05	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JB04-06	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB04-07	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB04-08	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB04-09	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB04-10	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB04-11	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JB04-12	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JB04-13	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JB04-14	249.6	NA	4.29	NA	9.36	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:
JB04-15	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB04-16	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB04-17	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB04-18	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB04-19	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JB04-20	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB04-21	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB04-22	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB04-23	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JB04-24	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JB04-25	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JB05	NA	NA	NA	NA	NA	NR	10		1	
JB05-01	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-03	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-04	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-05	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-06	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-07	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-08	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-09	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-10	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-11	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-12	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-13	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB05-14	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-15	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-16	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-17	123.5	NA	6.76	NA	7.8	7.0	NC		NC	

PENDIX 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:
JB05-18	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-19	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB05-20	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB05-21	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB05-22	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB05-23	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB05-24	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB05-25	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB06	NA	NA	NA	NA	NA	NR	22		1	
JB06-01	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-02	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-03	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-04	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-05	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-06	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-07	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-08	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-09	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-10	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-11	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-12	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-13	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-14	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB06-15	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-16	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-17	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-18	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-19	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-20	123.5	NA	6.76	NA	7.8	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:
JB06-21	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JB06-22	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB06-23	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB06-24	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB06-25	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07	NA	NA	NA	NA	NA	NR	17		1	
JB07-01	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-02	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-03	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-04	123.5	NA	6.76	NA	7.8	5.5	NC		NC	
JB07-05	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-06	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-07	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-08	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-09	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-10	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-11	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-12	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-13	123.5	NA	6.76	NA	7.8	5.5	NC		NC	
JB07-14	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-15	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-16	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-17	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-18	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JB07-19	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-20	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-21	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB07-22	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-23	123.5	NA	6.76	NA	7.8	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:
JB07-24	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JB07-25	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JB08	NA	NA	NA	NA	NA	NR	17		1	
JB08-01	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-02	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-03	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-04	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-05	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-06	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-07	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-08	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-09	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-10	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-11	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-12	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-13	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-14	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB08-15	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-16	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-17	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-18	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-19	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-20	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JB08-21	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JB08-22	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB08-23	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB08-24	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JB08-25	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JB09	NA	NA	NA	NA	NA	NR	13		1	

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:
JB09-01	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB09-02	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-03	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-04	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-05	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB09-06	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB09-07	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-08	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-09	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-10	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-11	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JB09-12	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB09-13	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-14	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB09-15	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-16	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-17	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JB09-18	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-19	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-20	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-21	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-22	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-23	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB09-24	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JB09-25	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JB10	NA	NA	NA	NA	NA	NR	8		1	
JB10-01	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JB10-02	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JB10-03	165.1	NA	10.53	NA	12.35	8.0	NC		NC	

PENDIX 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:
JB10-04	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JB10-05	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JB10-06	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JB10-07	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JB10-08	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-09	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-10	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-11	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB10-12	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-13	165.1	NA	10.53	NA	12.35	8.0	NC		NC	
JB10-14	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-15	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB10-16	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-17	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-18	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-19	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB10-20	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB10-21	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB10-23	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB10-24	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB10-25	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11	NA	NA	NA	NA	NA	NR	22		1	
JB11-01	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-02	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-03	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JB11-04	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-05	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB11-06	165.1	NA	10.53	NA	12.35	9.5	NC		NC	

PENDIX 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:
JB11-07	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-08	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-09	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-10	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-11	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-12	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-13	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-14	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB11-15	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-16	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-17	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-18	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-19	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-20	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-21	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB11-23	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB11-24	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB11-25	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JB12	NA	NA	NA	NA	NA	NR	18		1	
JB12-01	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB12-02	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-03	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-04	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-05	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB12-06	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-07	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB12-08	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB12-09	165.1	NA	10.53	NA	12.35	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:
JB12-10	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JB12-11	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-12	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-13	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-14	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-15	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-16	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-17	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-18	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-19	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-20	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-21	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-22	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-23	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-24	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB12-25	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JB13	NA	NA	NA	NA	NA	NR	17		1	
JC01	NA	NA	NA	NA	NA	NR	5		1	
JC01-01	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC01-02	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC01-03	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC01-04	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC01-05	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC01-06	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC01-07	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC01-08	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC01-09	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC01-10	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC01-11	249.6	NA	4.29	NA	9.36	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:
JC01-12	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-13	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-14	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-15	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-16	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-17	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-18	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-19	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-20	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC01-21	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC01-22	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC01-23	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC01-24	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC01-25	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC02	NA	NA	NA	NA	NA	NR	10		1	
JC02-01	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC02-02	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC02-03	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC02-04	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC02-05	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC02-06	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC02-07	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC02-08	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC02-09	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JC02-10	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC02-11	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC02-12	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC02-13	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC02-14	249.6	NA	4.29	NA	9.36	4.5	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:
JC02-15	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JC02-16	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC02-17	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC02-18	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC02-19	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC02-20	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC02-21	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC02-22	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC02-23	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC02-24	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JC02-25	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC03	NA	NA	NA	NA	NA	NR	14		1	
JC03-01	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC03-02	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-03	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-04	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-05	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC03-06	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC03-07	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-08	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC03-09	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-10	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC03-11	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-12	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC03-13	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-14	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC03-15	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-16	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-17	249.6	NA	4.29	NA	9.36	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:
JC03-18	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-19	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC03-20	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-21	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-22	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-23	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC03-24	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC03-25	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC04	NA	NA	NA	NA	NA	NR	0		0	
JC04-01	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-02	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JC04-03	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JC04-04	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JC04-05	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JC04-06	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-07	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JC04-08	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-09	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC04-10	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-11	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JC04-12	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-13	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-14	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC04-15	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-16	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC04-17	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC04-18	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC04-19	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC04-20	249.6	NA	4.29	NA	9.36	6.5	NC		NC	

PENDIX 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:
JC04-21	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-22	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JC04-23	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC04-24	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JC04-25	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JC05	NA	NA	NA	NA	NA	NR	19		1	
JC05-01	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-03	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-04	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-05	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-06	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-07	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-08	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-09	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC05-10	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-11	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-12	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC05-13	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-14	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-15	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-16	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC05-17	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-18	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC05-19	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-20	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC05-21	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC05-22	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC05-23	123.5	NA	6.76	NA	7.8	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:
JC05-24	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC05-25	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC06	NA	NA	NA	NA	NA	NR	13		1	
JC06-01	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-03	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-04	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-05	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-06	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-07	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-08	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-09	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-10	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-11	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-12	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-13	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-14	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-15	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC06-16	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC06-17	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-18	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-19	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-20	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-21	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC06-22	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JC06-23	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JC06-24	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC06-25	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC07	NA	NA	NA	NA	NA	NR	4		1	

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:
JC07-01	123.5	NA	6.76	NA	7.8	5.0	NC		NC	
JC07-02	123.5	NA	6.76	NA	7.8	5.5	NC		NC	
JC07-03	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-04	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC07-05	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-06	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-07	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JC07-08	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-09	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-10	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-11	123.5	NA	6.76	NA	7.8	5.5	NC		NC	
JC07-12	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-13	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-14	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-15	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-16	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-17	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-18	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-19	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-20	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-21	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-22	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-23	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-24	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC07-25	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JC08	NA	NA	NA	NA	NA	NR	18		1	
JC08-01	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC08-02	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC08-03	197.6	NA	10.66	NA	11.83	7.5	NC		NC	

PENDIX 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:
JC08-04	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JC08-05	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC08-06	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JC08-07	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC08-08	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC08-09	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC08-10	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-11	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-12	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-13	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JC08-14	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC08-15	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JC08-16	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-17	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JC08-18	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JC08-19	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-20	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JC08-21	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JC08-22	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-23	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-24	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC08-25	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09	NA	NA	NA	NA	NA	NR	16		1	
JC09-01	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09-02	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09-03	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-04	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JC09-05	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-06	197.6	NA	10.66	NA	11.83	9.0	NC		NC	

PENDIX 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:
JC09-07	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-08	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-09	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-10	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09-11	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC09-12	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09-13	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09-14	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JC09-15	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-16	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-17	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JC09-18	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JC09-19	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09-20	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC09-21	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC09-22	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JC09-23	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-24	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JC09-25	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JC10	NA	NA	NA	NA	NA	NR	17		1	
JC10-01	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-02	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-03	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-04	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-05	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-06	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-07	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-08	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-09	165.1	NA	10.53	NA	12.35	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:
JC10-10	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-11	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-12	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-13	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-14	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC10-15	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-16	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-17	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-18	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-19	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-20	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-21	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC10-23	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-24	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC10-25	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11	NA	NA	NA	NA	NA	NR	15		1	
JC11-01	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-02	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-03	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-04	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-05	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-06	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC11-07	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC11-08	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC11-09	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-10	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JC11-11	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-12	165.1	NA	10.53	NA	12.35	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:
JC11-13	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC11-14	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC11-15	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC11-16	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC11-17	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC11-18	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC11-19	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC11-20	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-21	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC11-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-23	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-24	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JC11-25	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12	165.1	NA	10.53	NA	12.35	9.5	14		1	
JC12-01	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-02	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JC12-03	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-04	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-05	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-06	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-07	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-08	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-09	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-10	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC12-11	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC12-12	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC12-13	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-14	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-15	165.1	NA	10.53	NA	12.35	10.0	NC		NC	

ENDIX 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:
JC12-16	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-17	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-18	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-19	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC12-20	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC12-21	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JC12-22	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-23	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-24	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JC12-25	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JC13	NA	NA	NA	NA	NA	NR	18		1	
JD01	NA	NA	NA	NA	NA	NR	11		1	
JD01-01	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-02	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-03	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-04	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-05	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-06	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-07	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-08	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JD01-09	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-10	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JD01-11	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JD01-12	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JD01-13	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JD01-14	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-15	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD01-16	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD01-17	249.6	NA	4.29	NA	9.36	3.5	NC		NC	

PENDIX 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:
JD01-18	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD01-19	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD01-20	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD01-21	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD01-22	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD01-23	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD01-24	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD01-25	249.6	NA	4.29	NA	9.36	3.0	NC		NC	
JD02	NA	NA	NA	NA	NA	NR	0		0	
JD02-01	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-02	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-03	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-04	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-05	249.6	NA	4.29	NA	9.36	3.0	NC		NC	
JD02-06	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-07	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-08	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-09	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-10	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-11	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-12	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-13	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-14	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-15	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-16	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-17	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-18	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-19	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-20	249.6	NA	4.29	NA	9.36	4.0	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:
JD02-21	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-22	249.6	NA	4.29	NA	9.36	4.5	NC		NC	
JD02-23	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD02-24	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD02-25	249.6	NA	4.29	NA	9.36	3.5	NC		NC	
JD03	NA	NA	NA	NA	NA	NR	21		1	
JD03-01	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD03-02	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-03	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-04	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD03-05	249.6	NA	4.29	NA	9.36	4.0	NC		NC	
JD03-06	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD03-07	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-08	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-09	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-10	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD03-11	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD03-12	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-13	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JD03-14	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-15	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD03-16	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JD03-17	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JD03-18	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JD03-19	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-20	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD03-21	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD03-22	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD03-23	249.6	NA	4.29	NA	9.36	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:
JD03-24	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD03-25	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD04	NA	NA	NA	NA	NA	NR	14		1	
JD04-01	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JD04-02	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JD04-03	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD04-04	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-05	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-06	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-07	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-08	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-09	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD04-10	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD04-11	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-12	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-13	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-14	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-15	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-16	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-17	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-18	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-19	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-20	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-21	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JD04-22	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-23	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JD04-24	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD04-25	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JD05	NA	NA	NA	NA	NA	NR	7		1	

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:
JD05-01	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-03	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-04	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-05	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JD05-06	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-07	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-08	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-09	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-10	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-11	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JD05-12	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-13	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JD05-14	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-15	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-16	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JD05-17	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-18	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-19	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-20	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-21	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-22	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD05-23	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-24	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD05-25	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06	NA	NA	NA	NA	NA	NR	NS		NS	
JD06-01	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-03	123.5	NA	6.76	NA	7.8	6.5	NC		NC	

PENDIX 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:
JD06-04	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-05	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JD06-06	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-07	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-08	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-09	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-10	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-11	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-12	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-13	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-14	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-15	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-16	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-17	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-18	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-19	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-20	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-21	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-22	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JD06-23	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD06-24	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD06-25	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD07	NA	NA	NA	NA	NA	NR	NS		NS	
JD07-01	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD07-03	123.5	NA	6.76	NA	7.8	5.0	NC		NC	
JD07-04	123.5	NA	6.76	NA	7.8	5.5	NC		NC	
JD07-05	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-06	123.5	NA	6.76	NA	7.8	6.0	NC		NC	

PENDIX 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:
JD07-07	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-08	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-09	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD07-10	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-11	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-12	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-13	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-14	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-15	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-16	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-17	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-18	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-19	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-20	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-21	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-22	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD07-23	123.5	NA	6.76	NA	7.8	5.5	NC		NC	
JD07-24	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JD07-25	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JD08	NA	NA	NA	NA	NA	NR	NS		NS	
JD08-01	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-02	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-03	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-04	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-05	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-06	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-07	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-08	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-09	197.6	NA	10.66	NA	11.83	7.5	NC		NC	

PENDIX 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:
JD08-10	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-11	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JD08-12	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JD08-13	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-14	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-15	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-16	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-17	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-18	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-19	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-20	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-21	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-22	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JD08-23	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JD08-24	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD08-25	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD09	NA	NA	NA	NA	NA	NR	15		1	
JD09-01	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-02	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-03	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD09-04	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-05	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD09-06	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JD09-07	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JD09-08	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JD09-09	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-10	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-11	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JD09-12	197.6	NA	10.66	NA	11.83	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:
JD09-13	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JD09-14	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-15	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-16	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-17	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-18	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JD09-19	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-20	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-21	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JD09-22	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-23	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-24	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JD09-25	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JD10	NA	NA	NA	NA	NA	NR	18		1	
JD10-01	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-02	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-03	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-04	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD10-05	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-06	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD10-07	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-08	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-09	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-10	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-11	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD10-12	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-13	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD10-14	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-15	165.1	NA	10.53	NA	12.35	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:
JD10-16	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-17	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-18	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-19	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-20	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-21	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JD10-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-23	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-24	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD10-25	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD11	NA	NA	NA	NA	NA	NR	28	a	1	
JD11-01	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-02	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-03	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-04	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-05	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-06	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-07	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-08	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-09	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-10	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-11	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-12	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-13	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-14	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-15	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-16	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-17	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-18	165.1	NA	10.53	NA	12.35	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:
JD11-19	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-20	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-21	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-22	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD11-23	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-24	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD11-25	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12	NA	NA	NA	NA	NA	NR	18		1	
JD12-01	165.1	NA	10.53	NA	12.35	11.0	NC		NC	
JD12-02	165.1	NA	10.53	NA	12.35	11.0	NC		NC	
JD12-03	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JD12-04	165.1	NA	10.53	NA	12.35	11.0	NC		NC	
JD12-05	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-06	165.1	NA	10.53	NA	12.35	11.0	NC		NC	
JD12-07	165.1	NA	10.53	NA	12.35	11.0	NC		NC	
JD12-08	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JD12-09	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-10	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD12-11	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JD12-12	165.1	NA	10.53	NA	12.35	11.0	NC		NC	
JD12-13	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-14	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-15	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JD12-16	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD12-17	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-18	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JD12-19	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-20	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-21	165.1	NA	10.53	NA	12.35	10.0	NC		NC	

ENDIX 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:
JD12-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JD12-23	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-24	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD12-25	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JD13	NA	NA	NA	NA	NA	NR	26	a	1	
JE01	249.6	NA	4.29	NA	9.36	4.5	12		1	
JE02	118.3	NA	11.7	NA	12.61	4.0	NS		NS	
JE03	118.3	NA	11.7	NA	12.61	3.0	0		0	
JE04	NA	NA	NA	NA	NA	NR	4		0	
JE04-01	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-02	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-03	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JE04-04	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JE04-05	249.6	NA	4.29	NA	9.36	5.0	NC		NC	
JE04-06	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JE04-07	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JE04-08	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-09	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JE04-10	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JE04-11	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-12	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JE04-13	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-14	249.6	NA	4.29	NA	9.36	6.0	NC		NC	
JE04-15	249.6	NA	4.29	NA	9.36	5.5	NC		NC	
JE04-16	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JE04-17	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JE04-18	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-19	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-20	249.6	NA	4.29	NA	9.36	7.0	NC		NC	

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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:
JE04-21	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-22	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-23	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-24	249.6	NA	4.29	NA	9.36	6.5	NC		NC	
JE04-25	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JE05	NA	NA	NA	NA	NA	NR	15		1	
JE05-01	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-02	123.5	NR	6.76	NR	7.8	8.5	NC		NC	
JE05-03	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-04	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-05	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE05-06	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-07	123.5	NR	6.76	NR	7.8	8.0	NC		NC	
JE05-08	123.5	NR	6.76	NR	7.8	8.0	NC		NC	
JE05-09	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-10	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE05-11	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-12	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-13	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-14	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE05-15	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE05-16	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE05-17	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE05-18	123.5	NR	6.76	NR	7.8	8.0	NC		NC	
JE05-19	123.5	NR	6.76	NR	7.8	8.0	NC		NC	
JE05-20	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-21	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-22	123.5	NR	6.76	NR	7.8	8.0	NC		NC	
JE05-23	123.5	NA	6.76	NA	7.8	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:
JE05-24	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE05-25	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06	NA	NA	NA	NA	NA	NR	NS		NS	
JE06-01	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE06-02	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE06-03	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-04	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-05	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-06	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE06-07	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-08	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-09	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-10	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-11	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-12	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-13	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-14	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE06-15	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-16	123.5	NR	6.76	NR	7.8	10.0	NC		NC	
JE06-17	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE06-18	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE06-19	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-20	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-21	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE06-22	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE06-23	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JE06-24	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE06-25	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JE07	NA	NA	NA	NA	NA	NR	14		1	

PENDIX 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:
JE07-01	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-02	123.5	NA	6.76	NA	7.8	5.5	NC		NC	
JE07-03	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-04	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-05	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-06	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-07	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-08	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-09	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-10	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-11	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-12	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-13	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-14	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-15	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-16	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-17	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-18	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-19	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JE07-20	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-21	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-22	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-23	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-24	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE07-25	123.5	NA	6.76	NA	7.8	6.0	NC		NC	
JE08	NA	NA	NA	NA	NA	NR	9		1	
JE08-01	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-02	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE08-03	197.6	NA	10.66	NA	11.83	7.5	NC		NC	

PENDIX 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:
JE08-04	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE08-05	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-06	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-07	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-08	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-09	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-10	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-11	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE08-12	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-13	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE08-14	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-15	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-16	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-17	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE08-18	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-19	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-20	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-21	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-22	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-23	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JE08-24	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE08-25	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE09	NA	NA	NA	NA	NA	NR	21		1	
JE09-01	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-02	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-03	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-04	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-05	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE09-06	197.6	NA	10.66	NA	11.83	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:
JE09-07	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE09-08	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JE09-09	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-10	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-11	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-12	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-13	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-14	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-15	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-16	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-17	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-18	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-19	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JE09-20	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-21	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JE09-22	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-23	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-24	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE09-25	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE10	NA	NA	NA	NA	NA	NR	10		1	
JE10-01	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-02	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JE10-03	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-04	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JE10-05	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE10-06	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JE10-07	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-08	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-09	197.6	NA	10.66	NA	11.83	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:
JE10-10	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-11	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-12	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-13	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-14	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-15	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-16	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-17	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-18	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-19	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-20	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-21	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JE10-22	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-23	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE10-24	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JE10-25	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JE11	NA	NA	NA	NA	NA	NR	18		1	
JE11-01	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-02	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JE11-03	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JE11-04	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JE11-05	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JE11-06	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JE11-07	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-08	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JE11-09	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JE11-10	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JE11-11	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JE11-12	165.1	NA	10.53	NA	12.35	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:
JE11-13	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JE11-14	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-15	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-16	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-17	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-18	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-19	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-20	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JE11-21	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-22	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JE11-23	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JE11-24	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE11-25	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12	NA	NA	NA	NA	NA	NR	18		1	
JE12-01	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-02	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-03	165.1	NA	10.53	NA	12.35	10.5	NC		NC	
JE12-04	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-05	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-06	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-07	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-08	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-09	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-10	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-11	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-12	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-13	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-14	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-15	165.1	NA	10.53	NA	12.35	10.0	NC		NC	

PENDIX 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:
JE12-16	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-17	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-18	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-19	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-20	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-21	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-22	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-23	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-24	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE12-25	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JE13	NA	NA	NA	NA	NA	NR	23		1	
JF01	118.3	NA	11.7	NA	12.61	6.0	14		1	
JF02	118.3	NA	11.7	NA	12.61	9.0	9		5	a
JF03	118.3	NA	11.7	NA	12.61	5.0	4		0	
JF04	118.3	NA	11.7	NA	12.61	6.5	17		1	
JF05	118.3	NA	11.7	NA	12.61	6.5	22		1	
JF06	118.3	NA	11.7	NA	12.61	7.0	11		1	
JF07	118.3	NA	11.7	NA	12.61	7.5	3		1	
JF08	197.6	NA	10.66	NA	11.83	7.5	7		1	
JF08-01	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-02	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-03	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JF08-04	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-05	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JF08-06	197.6	NA	10.66	NA	11.83	6.5	NC		NC	
JF08-07	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-08	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-09	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-10	197.6	NA	10.66	NA	11.83	7.5	NC		NC	

ENDIX 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:
JF08-11	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-12	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-13	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF08-14	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF08-15	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF08-16	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF08-17	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF08-18	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF08-19	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF08-20	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-21	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-22	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-23	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF08-24	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF08-25	197.6	NA	10.66	NA	11.83	7.5	NC		NC	
JF09	NA	NA	NA	NA	NA	NR	9		1	
JF09-01	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF09-02	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-03	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-04	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF09-05	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF09-06	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-07	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-08	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF09-09	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF09-10	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF09-11	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF09-12	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-13	197.6	NA	10.66	NA	11.83	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:
JF09-14	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JF09-15	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF09-16	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF09-17	197.6	NA	10.66	NA	11.83	7.0	NC		NC	
JF09-18	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-19	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-20	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-21	197.6	NA	10.66	NA	11.83	8.0	NC		NC	
JF09-22	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF09-23	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-24	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF09-25	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF10	NA	NA	NA	NA	NA	NR	12		1	
JF10-01	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF10-02	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-03	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-04	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JF10-05	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-06	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JF10-07	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JF10-08	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-09	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-10	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-11	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-12	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-13	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JF10-14	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JF10-15	197.6	NA	10.66	NA	11.83	10.5	NC		NC	
JF10-16	197.6	NA	10.66	NA	11.83	9.5	NC		NC	

PENDIX 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:
JF10-17	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JF10-18	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JF10-19	197.6	NA	10.66	NA	11.83	9.5	NC		NC	
JF10-20	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF10-21	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JF10-22	197.6	NA	10.66	NA	11.83	8.5	NC		NC	
JF10-23	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JF10-24	197.6	NA	10.66	NA	11.83	10.0	NC		NC	
JF10-25	197.6	NA	10.66	NA	11.83	9.0	NC		NC	
JF11	NA	NA	NA	NA	NA	NR	17		1	
JF11-01	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF11-02	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-03	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-04	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF11-05	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF11-06	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF11-07	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JF11-08	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-09	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JF11-10	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF11-11	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF11-12	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-13	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-14	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF11-15	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-16	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-17	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-18	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-19	165.1	NA	10.53	NA	12.35	9.0	NC		NC	

PENDIX 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:
JF11-20	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF11-21	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-22	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-23	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF11-24	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF11-25	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF12	NA	NA	NA	NA	NA	NR	18		1	
JF12-01	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-02	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF12-03	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JF12-04	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JF12-05	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-06	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-07	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-08	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-09	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF12-10	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-11	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF12-12	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF12-13	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-14	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF12-15	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-16	165.1	NA	10.53	NA	12.35	10.0	NC		NC	
JF12-17	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF12-18	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF12-19	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF12-20	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF12-21	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF12-22	165.1	NA	10.53	NA	12.35	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:
JF12-23	165.1	NA	10.53	NA	12.35	9.5	NC		NC	
JF12-24	165.1	NA	10.53	NA	12.35	9.0	NC		NC	
JF12-25	165.1	NA	10.53	NA	12.35	8.5	NC		NC	
JF13	NA	NA	NA	NA	NA	NR	22		1	
JG01	118.3	NA	11.7	NA	12.61	5.5	3		1	
JG02	118.3	NA	11.7	NA	12.61	5.0	NS		NS	
JG03	118.3	NA	11.7	NA	12.61	6.0	9		1	
JG04	118.3	NA	11.7	NA	12.61	4.5	NS		NS	
JG05	118.3	NA	11.7	NA	12.61	4.5	13		1	
JG06	118.3	NA	11.7	NA	12.61	5.0	23		1	
JG07	118.3	NA	11.7	NA	12.61	8.0	19		1	
JG08	158.6	NA	13.26	NA	15.47	6.5	NS		NS	
JG09	158.6	NA	13.26	NA	15.47	7.5	21		1	
JG10	158.6	NA	13.26	NA	15.47	8.5	19		1	
JG11	158.6	NA	13.26	NA	15.47	8.5	18		1	
JG12	118.3	NA	11.7	NA	12.61	8.5	19		1	
JG13	158.6	NA	13.26	NA	15.47	7.0	19		1	
JH01	118.3	NA	11.7	NA	12.61	6.5	18		1	
JH02	118.3	NA	11.7	NA	12.61	6.5	19		1	
JH03	118.3	NA	11.7	NA	12.61	4.5	17		1	
JH04	118.3	NA	11.7	NA	12.61	4.5	13		1	
JH05	118.3	NA	11.7	NA	12.61	5.0	18		1	
JH06	118.3	NA	11.7	NA	12.61	8.0	12		1	
JH07	118.3	NA	11.7	NA	12.61	7.5	15		1	
JH08	158.6	NA	13.26	NA	15.47	5.5	10		1	
JH09	158.6	NA	13.26	NA	15.47	6.0	NS		NS	
JH10	158.6	NA	13.26	NA	15.47	6.0	22		1	
JH11	158.6	NA	13.26	NA	15.47	6.5	10		1	
JH12	118.3	NA	11.7	NA	12.61	7.5	12		1	

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:
JH13	NA	NA	NA	NA	NA	NR	21		1	
JI01	118.3	NA	11.7	NA	12.61	7.0	14		1	
JI02	118.3	NA	11.7	NA	12.61	5.5	13		1	
JI03	118.3	NA	11.7	NA	12.61	5.5	11		1	
JI04	118.3	NA	11.7	NA	12.61	7.5	22		1	
JI05	118.3	NA	11.7	NA	12.61	8.5	8		1	
JI06	118.3	NA	11.7	NA	12.61	8.5	21		1	
JI07	118.3	NA	11.7	NA	12.61	7.5	35	a	1	
JI08	158.6	NA	13.26	NA	15.47	7.0	9		1	
JI09	158.6	NA	13.26	NA	15.47	7.5	7		1	
JI10	158.6	NA	13.26	NA	15.47	7.5	21		1	
JI11	158.6	NA	13.26	NA	15.47	8.0	11		1	
JI12	118.3	NA	11.7	NA	12.61	7.0	8		1	
JJ01	118.3	NA	11.7	NA	12.61	5.0	15		1	
JJ02	118.3	NA	11.7	NA	12.61	6.0	9		1	
JJ03	118.3	NA	11.7	NA	12.61	6.5	20		1	
JJ04	118.3	NA	11.7	NA	12.61	6.5	19		1	
JJ05	118.3	NA	11.7	NA	12.61	6.5	9		1	
JJ06	118.3	NA	11.7	NA	12.61	7.0	13		1	
JJ07	118.3	NA	11.7	NA	12.61	8.5	19		2	
JJ08	158.6	NA	13.26	NA	15.47	7.5	10		1	
JJ09	158.6	NA	13.26	NA	15.47	5.5	17		1	
JJ10	158.6	NA	13.26	NA	15.47	6.0	17		1	
JJ11	158.6	NA	13.26	NA	15.47	8.5	16		1	
JK01	118.3	NA	11.7	NA	12.61	7.0	21		1	
JK02	118.3	NA	11.7	NA	12.61	6.5	NS		NS	
JK03	118.3	NA	11.7	NA	12.61	8.0	17		1	
JK04	118.3	NA	11.7	NA	12.61	9.5	24		1	
JK05	118.3	NA	11.7	NA	12.61	8.5	11		1	

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:
JK06	118.3	NA	11.7	NA	12.61	9.5	20		1	
JK07	118.3	NA	11.7	NA	12.61	7.0	8		1	
JK08	158.6	NA	13.26	NA	15.47	8.5	19		1	
JK09	158.6	NA	13.26	NA	15.47	7.5	17		1	
JK10	158.6	NA	13.26	NA	15.47	9.0	7		1	
JK11	158.6	NA	13.26	NA	15.47	9.0	17		1	
JL01	118.3	NA	11.7	NA	12.61	9.0	9		1	
JL01-01	249.6	NA	4.29	NA	9.36	8.0	NC		NC	
JL01-02	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-03	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-04	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JL01-05	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JL01-06	249.6	NA	4.29	NA	9.36	8.0	NC		NC	
JL01-07	249.6	NA	4.29	NA	9.36	8.0	NC		NC	
JL01-08	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-09	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-10	249.6	NA	4.29	NA	9.36	8.0	NC		NC	
JL01-11	249.6	NA	4.29	NA	9.36	8.0	NC		NC	
JL01-12	249.6	NA	4.29	NA	9.36	7.0	NC		NC	
JL01-13	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-14	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-15	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-16	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-17	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-18	249.6	NA	4.29	NA	9.36	8.5	NC		NC	
JL01-19	249.6	NA	4.29	NA	9.36	8.5	NC		NC	
JL01-20	249.6	NA	4.29	NA	9.36	8.5	NC		NC	
JL01-21	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-22	249.6	NA	4.29	NA	9.36	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:
JL01-23	249.6	NA	4.29	NA	9.36	7.5	NC		NC	
JL01-24	249.6	NA	4.29	NA	9.36	8.5	NC		NC	
JL01-25	249.6	NA	4.29	NA	9.36	8.5	NC		NC	
JL02	118.3	NA	11.7	NA	12.61	10.0	21		1	
JL03	118.3	NA	11.7	NA	12.61	9.0	22		1	
JL03-01	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JL03-02	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-03	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-04	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-05	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-06	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-07	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-08	123.5	NR	6.76	NR	7.8	7.9	NC		NC	
JL03-09	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-10	123.5	NR	6.76	NR	7.8	8.0	NC		NC	
JL03-11	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-12	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-13	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-14	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-15	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-16	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-17	NA	NA	NA	NA	NA	NS	NC		NC	
JL03-18	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-19	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-20	123.5	NA	6.76	NA	7.8	7.5	NC		NC	
JL03-21	123.5	NA	6.76	NA	7.8	6.5	NC		NC	
JL03-22	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JL03-23	123.5	NA	6.76	NA	7.8	7.0	NC		NC	
JL03-24	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:
JL03-25	NA	NA	NA	NA	NA	NS	NC		NC	
JL04	118.3	NA	11.7	NA	12.61	9.0	13		1	
JL04-01	159.9	NA	10.4	NA	11.44	9.0	NC		NC	
JL04-02	159.9	NA	10.4	NA	11.44	9.0	NC		NC	
JL04-03	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-04	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-05	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-06	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-07	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-08	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-09	159.9	NA	10.4	NA	11.44	9.0	NC		NC	
JL04-10	159.9	NA	10.4	NA	11.44	9.0	NC		NC	
JL04-11	159.9	NA	10.4	NA	11.44	9.0	NC		NC	
JL04-12	159.9	NA	10.4	NA	11.44	9.0	NC		NC	
JL04-13	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-14	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-15	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-16	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-17	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-18	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-19	159.9	NA	10.4	NA	11.44	8.5	NC		NC	
JL04-20	159.9	NA	10.4	NA	11.44	9.5	NC		NC	
JL04-21	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-22	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-23	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-24	NA	NA	NA	NA	NA	NS	NC		NC	
JL04-25	NA	NA	NA	NA	NA	NS	NC		NC	
JL05	159.9	NA	10.4	NA	11.44	9.5	21		1	
JL06	NA	NA	NA	NA	NA	NR	24		1	

ENDIX 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:
JL06-01	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL06-02	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL06-03	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-04	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-05	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-06	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-07	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-08	158.6	NA	13.26	NA	15.47	9.5	NC		NC	
JL06-09	158.6	NA	13.26	NA	15.47	8.5	NC		NC	
JL06-10	158.6	NA	13.26	NA	15.47	8.0	NC		NC	
JL06-11	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL06-12	158.6	NA	13.26	NA	15.47	9.5	NC		NC	
JL06-13	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-14	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-15	NA	NA	NA	NA	NA	NS	NC		NC	
JL06-16	158.6	NA	13.26	NA	15.47	9.5	NC		NC	
JL06-17	158.6	NA	13.26	NA	15.47	9.0	NC		NC	
JL06-18	158.6	NA	13.26	NA	15.47	9.0	NC		NC	
JL06-19	158.6	NA	13.26	NA	15.47	9.5	NC		NC	
JL06-20	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL06-21	158.6	NA	13.26	NA	15.47	9.0	NC		NC	
JL06-22	158.6	NA	13.26	NA	15.47	8.0	NC		NC	
JL06-23	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL06-24	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL06-25	158.6	NA	13.26	NA	15.47	8.5	NC		NC	
JL07	158.6	NA	13.26	NA	15.47	8.0	12		1	
JL07-01	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-02	158.6	NA	13.26	NA	15.47	9.0	NC		NC	
JL07-03	158.6	NA	13.26	NA	15.47	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:
JL07-04	158.6	NA	13.26	NA	15.47	9.0	NC		NC	
JL07-05	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL07-06	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL07-07	158.6	NA	13.26	NA	15.47	9.5	NC		NC	
JL07-08	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-09	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-10	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-11	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-12	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-13	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-14	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL07-15	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL07-16	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL07-17	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-18	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-19	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-20	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-21	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-22	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-23	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-24	NA	NA	NA	NA	NA	NS	NC		NC	
JL07-25	158.6	NA	13.26	NA	15.47	10.0	NC		NC	
JL08	158.6	NA	13.26	NA	15.47	7.5	14		1	
JL09	158.6	NA	13.26	NA	15.47	7.5	14		1	
JL10	158.6	NA	13.26	NA	15.47	10.0	10		2	
JM01	165.9	NA	11.81	NA	13.52	10.0	21		1	
JM03	123.5	NA	6.76	NA	7.8	7.0	22		1	
JM04	159.9	NA	10.4	NA	11.44	11.0	24		1	
JM05	159.9	NA	10.4	NA	11.44	11.0	27	a	1	

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:
JM06	158.6	NA	15.47	NA	13.26	12.0	36	a	1	
JM07	158.6	NA	15.47	NA	13.26	9.5	23		1	
JM08	158.6	NA	13.26	NA	15.47	10.0	17		1	
JM09	158.6	NA	13.26	NA	15.47	8.5	4		1	
JM10	158.6	NA	13.26	NA	15.47	7.5	NC		NC	

CH1 - Channel 1
CH2 - Channel 2
NR - Reading not recorded.
NC - No sample collected; location not at grid point.
NA - Reading not taken; contamination criteria for the out channel not exceeded.
NS - No sample collected; insufficient soil volume due to gravel/rocky soil conditions
a - Mound Soil Screening Facility detection level of 25.0 pCi/g for Pu-238 and 2.0 pCi/g for Th-232 exceeded.
CPM - counts per minute
KCPM - counts per minute X 1000
pCi/g - picocuries per gram
SMPID - Sample identification number

APPENDIX D

SOIL GAS SURVEY REPORT

Final Report of Findings of the PETREX® Soil Gas Survey
at Area of Concern J, Operable Unit 5

FINAL REPORT OF FINDINGS
OF THE PETREX SOIL GAS SURVEY
AT AREA OF CONCERN -J / OPERABLE UNIT -5
U. S. DEPARTMENT OF ENERGY MOUND FACILITY
MIAMISBURG, OHIO

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(Relative Response Maps, Plates 1 through 5, are provided under separate cover)

1.0 EXECUTIVE SUMMARY

SAIC and NERI performed a Petrex passive soil gas survey at AOC-J / 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 volatile and semivolatile organic compounds, particularly hydrocarbons from petroleum products such as paints, halogenated and non-halogenated solvents, oil and grease, and refrigerants. Products containing these materials may have been disposed of at this site over a period of several decades.

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 August 4 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. Elevated levels of petroleum hydrocarbons exist in the subsurface on-site. Petroleum hydrocarbons likely derive from various grades of fuels (including heavy fuels high in naphthalenes). Some aromatic petroleum hydrocarbons may also issue from paints or solvents. Some occurrences of naphthalene may derive from coal tar products. The eastern half of the site likely manifests the greatest impact by petroleum hydrocarbons including dilute, low level dispersion/migration of light weight and soluble product components in the subsurface.

2. Elevated levels of halogenated hydrocarbons, principally PCE, exist in the subsurface on-site. These compounds may derive from discarded materials and debris containing solvents and refrigerants. The northern and central portions of the site likely manifest the greatest impact by these compounds. These compounds may be subject to westward subsurface migration following the downslope of the terrain.

3. Quantitative testing of soil and groundwater from the Petrex soil gas sampling points at grid coordinates B1, B6, C2, D2, E4, F5, F9, G7, H9 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 -J (AOC-J) within Operable Unit -5 (OU-5) of the U. S. Department of Energy's Mound Facility in Miamisburg, Ohio. The survey of AOC-J was performed as part of a larger soil gas survey of the entire OU-5 area. AOC-J is situated in the central eastern portion of OU-5 and borders the Secure Area of OU-5 to the east. Over a period of several decades (ending in the early 1980's) AOC-J was used as a disposal area for construction debris and soil excavated from construction sites. These waste materials were deposited preferentially in the western half of the site which is a hillside that declines steeply from the more level eastern half of the AOC.

The purpose of this survey was to locate areas within AOC-J which exhibit potential soil and/or groundwater contamination by volatile and semivolatile organic compounds (VOC's and SVOC's), particularly components of petroleum based products and other chemical products which were contained in refuse and soils discarded on site. The information generated by this survey could then be used to 1) locate potential sources areas of contaminants affecting AOC-J, 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-J 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, trends in contaminant migration, and areas meriting quantitative investigation from the areal distribution and relative level in the soil gas of the targeted compounds.

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 fifty (150) sample collection points. These sample collection points were arrayed at intervals of twenty-five feet in a uniform rectangular grid centered on the AOC and covering an area of approximately two acres (see Plate 1 accompanying this report).

One soil gas sample from each sampling point was analyzed by TD-MS. Approximately ten percent of Petrex samplers used in this survey contained an additional soil gas collector for the purpose of yielding a duplicate soil gas sample for QA/QC 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-J is located in the east central portion of OU-5 and is situated just west of and adjacent to a sector of OU-5 known as the Secure Area. At the mid-point of the survey area, the terrain within AOC-J changes from the nearly level plateau of the eastern margin of OU-5 to a hillside which slopes steeply (at a grade of approximately 32%) downward to the west. The boundaries delineating AOC-J describe an area of approximately ninety thousand square feet.

All field operations were organized and performed by SAIC personnel. A total of one hundred and fifty-seven (157) Petrex soil gas samplers were installed within an eleven day period beginning on August 4, 1994. An electric rotary hammer drill equipped with a 1½ inch diameter drill bit was employed to create the shallow bore hole into which each Petrex soil gas sampler was installed. Petrex samplers were installed at depths of eight to eighteen inches below grade.

To avoid potential cross contamination of sampling locations, the drill bit was decontaminated between use at each location. Decontamination of the drill bits consisted of thorough scrubbing in a laboratory grade detergent solution followed by repeated rinsing with distilled water. The drill bits were then allowed to completely air dry prior to reuse.

Six extra Petrex samplers were used 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 installed at three different locations (sampling grid coordinates D7, G13, and K4) within AOC-J at the commencement of field operations. One time test sampler from each of these locations was then retrieved from the field and submitted to NERI for analysis after exposures of one and two weeks.

Analysis of these time tests samplers indicated elevated levels of volatile and semivolatile petroleum hydrocarbons were present in the soil gas. Time test results also indicated that the levels of these compounds in the samplers were increasing steadily with increasing exposure time. Based on results of analysis of the second set of exposure time tests it was concluded that samplers in the field would best benefit from an exposure on the order of two to three weeks. These findings were discussed with SAIC field operatives as soon as time test analysis results were available. In this discussion it was determined that they should begin retrieving samplers on August 24, 1994, the day following this notification. Petrex sampler retrieval was completed on September 1, 1994.

Due to restrictions in site access, not all samplers could be retrieved on schedule such that samplers received exposures ranging between fifteen to twenty days (see field log sheets). The average length of exposure received by the Petrex soil gas samplers installed at this site was seventeen (17) days. This range of exposure represents a 14% variation from the mean.

The rate of adsorption of VOC's and SVOC's to a Petrex sampler is highest within the first several days of sampler exposure and decreases with time until a dynamic equilibrium is reached between the soil gas and the sorbent. Dynamic equilibrium is typically reached after one to three weeks, depending upon the environment. Due to the greatly decreased rate of adsorption once equilibrium is reached, differences in duration of exposure have little effect on the total level of VOC's and SVOC's adsorbed to the sampler. Thus it is likely that the 14% difference in exposure times experienced by the Petrex soil gas samples collected in this survey resulted in no discernible variation within the data set.

This conclusion was verified by examining survey results organized by duration of sampler exposure. No consistent patterns in response to the targeted compounds were observed which would indicate that the variations in exposure experienced by the samplers in this survey influenced survey findings.

Due to field hazards described by field personnel (including loose gravel, pavement, etc.) seven Petrex samplers (from grid coordinates A7, B13, C4, F1, F11, F12, and M2) were not successfully retrieved. The remaining one hundred and fifty (150) were retrieved and shipped as a batch via overnight courier to NERI in Lakewood, Colorado. All samplers were received and logged-in by NERI's laboratory on September 2, 1994 (see sample submittal and chain of custody documents).

During sampler log-in it was noted that the collectors within samplers #632 and #684 were bent and abraded such that much of their charcoal sorbent coating was missing. This damage to the collectors likely occurred during retrieval as the Chain of Custody form documents that the glass sampler tubes housing these collectors broke in the field and had to be replaced. It was also noted on the Chain of Custody form that sampler #741 was accidentally installed with the cap liner still in place. With the cap liner covering the mouth of the sampler tube, the collectors within the sampler could not have been adequately exposed to the soil gas. These conditions represent compromises to Petrex sampler integrity or nonprotocol use of a Petrex sampler. Thus, samplers #632, #684 (from grid coordinates E12 and C3), and #741 (from grid coordinate L7) were withheld from analysis. TD-MS analysis of the remaining one hundred and forty-seven (147) Petrex soil gas samples and five Petrex sampler travel blanks was performed on October 18 and 19, 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

Five Petrex soil gas samplers (labeled #879, #880, #881, #882, and #883) 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, Appendix B.

Analysis of each travel blank sample yielded low to very low responses to light weight aromatic hydrocarbons. However, no response or only a trace response was generated for ions by which semivolatile hydrocarbons, oil and grease range hydrocarbons, and halogenated hydrocarbons are reported.

Responses to volatile organic compounds in the blanks, especially aromatics, are most likely the result of the detection of common environmental contaminants found at trace levels in the environment in which the samplers were handled, stored, and analyzed. Note that the response values derived from analysis of the travel blanks for total aromatic hydrocarbons, and for semivolatile hydrocarbons and halogenated hydrocarbons in sample #880, are two or more orders of magnitude less than the values highlighted as potentially anomalous on Plates 2, 3, and 5.

Any response to targeted compounds yielded by the blanks should be used as a background against which the soil gas sampling results are evaluated.

7.4 Sample Duplicates

Of the one hundred and forty-seven samples analyzed, fifteen (10%) contained an additional soil gas collector element for the purpose of yielding a duplicate sample for QA analysis. These fifteen 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 22% from the mean.

2. Independent of the variation in magnitude of response, sample duplicate pairs 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 the mass spectra of duplicate samples #657 and #2657, and #709 and #2709).

Based on these findings it may be concluded that although analytical response to the soil gas environment varied, this variation did not exceed an order of magnitude, the basis on which most data sets are organized, and contoured on attached maps, and evaluated. Variation within the range observed for 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 a 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 Oil & Grease Range Hydrocarbons	sum of: 180, 182, 184, 194, 196, 198, 202, and 212.
Total Halogenated Hydrocarbons	sum of: 101, 130, 146, 151, and 164.

Reported survey results represent the combined TD-MS response to numerous compounds belonging to a targeted contaminant group (e.g., total aromatics). If any one component compound of the targeted contaminant group (e.g., C_9 aromatics) was not identified in a sample, a response value of zero was added in its place. The letter designation "ND" denotes that none of the targeted compounds were detected or identified in the sample.

Results derived from three samples for total aromatic hydrocarbons have been replaced with the symbol "T". This designation indicates that the TD-MS results yielded by these samples do not accurately represent the level of aromatics in the soil gas due to interference caused by terpene compounds (see section 8.2).

TD-MS response to target compounds displayed in Plates 2 through 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.

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. These Plates are oversized and are provided separately and unbound.

8.2 Findings

Sample analysis indicated the occurrence of C_4 to C_{12} petroleum hydrocarbons, and the halogenated hydrocarbons tetrachloroethene (PCE), trichloroethene (TCE), trichloroethane (TCA), trichlorofluoromethane (Freon-11), trichlorotrifluoroethane (Freon-113), and dichlorobenzene (DCB) in the soil gas.

The majority of the samples exhibited a limited combination of light and medium weight petroleum hydrocarbons compounds of which C_6 to C_9 aromatics and C_4 to C_{10} cycloalkanes and alkenes were the most prominent (see the mass spectra of samples #639, #675, and #680). A small proportion of these samples additionally exhibited pronounced levels of the semivolatile hydrocarbons naphthalene and methylnaphthalene (see the mass spectra of samples #658 and #723).

The aromatics, cycloalkanes, and alkenes detected are common constituents of most petroleum fuels and oils, and many other petroleum based products. Aromatics in particular are the principal components of many petroleum based solvents (e.g., mineral spirits). Naphthalene and methylnaphthalene, however, are peculiar to heavier weight petroleum products especially medium to heavy weight fuels (e.g., diesel fuel, heating oil), tar and creosote.

The combination of hydrocarbon compounds observed in most of the samples collected in this survey, exemplified by the mass spectrum of samples #639 and #675, are most typical of the composition of vapor derived from the dilute residue of variously weathered light to medium weight fuels in the subsurface. The infrequently detected pronounced levels of naphthalene and methylnaphthalene may derive from the separate occurrence of one or more medium to heavy weight fuel products and/or coal tar products. Samples #656 and #657 demonstrated high levels of these semivolatiles plus many other medium and heavy weight hydrocarbons typical of heavy fuels (see the mass spectra of sample #657). Numerous other samples demonstrated high levels of naphthalene and methylnaphthalene alone which is more suggestive of having derived from a heavier product such as coal tar (see the mass spectrum of sample #738).

Sample #688 exhibited pronounced levels of C_6 to C_{13} cycloalkanes, alkenes, cycloalkenes, and dienes (see the mass spectrum of this sample). No other samples collected in this survey demonstrated similar composition. This combination of petroleum hydrocarbons in the soil gas may derive from the residue of a weathered heavy fuel (different from that observed elsewhere on-site), fuel oil, or lubricating oil in the subsurface.

Terpenes, hydrocarbon compounds derived from plant resins, were detected in samples #682, #713, and #793. Terpenes may enter the soil gas naturally through plant growth or may be released into the environment as components of products containing terpenes (e.g., turpentine, natural oils, etc.). The levels of terpenes in these three samples were high enough to interfere with the reporting of total aromatic hydrocarbons. The recorded response levels yielded by these three samples for aromatic hydrocarbons do not accurately reflect the level of aromatics in the soil gas due to this interference. Thus, the data are excluded from reporting and replaced with the letter "T" in Table 1 and on Plate 2. Despite this interference, results indicate that only low to moderate relative levels of aromatic hydrocarbons may be present in the soil gas at these sampling locations.

PCE was the most frequently detected halogenated organic compound in the soil gas (see attached mass spectra). The highest levels of PCE (over one million ion counts) were detected in samples #625, #679, #691, #701, #704, and #748. The other halogenated hydrocarbons, named above, were detected much less frequently. TCE was only detected in sixteen samples. The highest levels of TCE (over one hundred thousand ion counts) were detected in samples #624, #625, #679, #693, #705, #720, and #728 (see the mass spectrum of sample #625 and #720). TCA was detected at low levels and only in samples #623, #638, #720, #726, and #743. Freon-11 and Freon-113 were confidently detected, and generally at only very low relative levels, in samples #624, #638, #709, #720, #722, #726, #727 and #743. DCB was detected in thirteen samples. The highest levels of DCB (over one hundred thousand ion counts) were detected in samples #680, and #728 (see the mass spectra of samples #680, #709, and #720). Dichloroethene (DCE) was not confidently identified in any sample; however, sample #715 exhibited the potential to contain a low relative level of this compound. No other halogenated compounds were detected in the soil gas.

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 soil and/or groundwater 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 light and medium weight compounds benzene, toluene, ethylbenzene/xylenes, and C_9 and C_{10} aromatics, such as trimethylbenzene, tetramethylbenzene, etc. Very few samples were observed to contain elevated levels of C_{11} and heavier aromatics.

The areal distribution of Total Aromatic Hydrocarbons in the soil gas at AOC-J is displayed by Plate 2. Elevated levels of total aromatics occurred in the soil gas principally in a large zone covering the northeastern portion of AOC-J and extending over more limited areas to the south and west. The western limit of this large zone roughly parallels the crest of the hillside dividing the terrain. Numerous small areas scattered within this large zone demonstrated the highest levels of aromatics. These "hot spots" may correspond to points of release of petroleum products on-site. The mass spectra of samples from these hot spots demonstrate soil gas composition typical of vapor from weathered light to medium weight fuels. Sample #657 and samples from neighboring points are the exception. The soil gas at the hot spot detected through this and other samples (at sampling grid coordinates B5 to C6) exhibited character more typical of partially weathered medium to heavy weight fuels or fuel oils (see the mass spectrum of sample #657).

The occurrence of numerous hot spots of total aromatic hydrocarbons in the soil gas, including some in the western and central portions of the AOC, suggest that petroleum products may have been released to the subsurface at numerous locations on-site. The elevated levels of aromatics observed over broad portions of the site and extending to northeastern site boundaries suggests that subsurface media within much of the eastern half of the AOC and potentially beyond the AOC to the north and east may be impacted by dilute dissolved constituents of petroleum fuels, particularly light weight aromatic hydrocarbons.

Although no samples demonstrated pronounced levels of light weight aromatics alone which might indicate the location of source areas or points of release of paints, solvents, or thinners, it should not be ruled out that some of the aromatics detected in the soil gas may derive from these products. Aromatic hydrocarbons constituting these products may have thoroughly dispersed and mixed with other petroleum product constituents in the subsurface over time such that no areas exhibit soil gas composition specific to paints, solvents, or thinners alone.

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. 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) may also be found in medium to heavy weight fuels and fuel oils. A review of the mass spectra of all samples which yielded an elevated response to semivolatiles indicated that the majority of these responses derive from elevated levels of naphthalene and, though less frequently, methylnaphthalene. None of the other semivolatile polycyclic hydrocarbons named above were clearly identified in the samples.

The areal distribution of total semivolatile hydrocarbons is displayed in Plate 3. Elevated levels of naphthalene and methylnaphthalene occurred in the soil gas in numerous limited areas (defined by only one or two sampling points) and also in two zones of moderate scale within AOC-J. The largest zone occurs in the central eastern portion of the site and adjoins the eastern AOC-J boundary nearest the large above ground storage tank. The soil gas at points which exhibited the highest levels of naphthalene and methylnaphthalene within these zones, large and small, also exhibited elevated levels of other petroleum hydrocarbons, some up to C_{12} in weight. The occurrence of these hydrocarbons, in the proportions observed, suggests that they and naphthalene and methylnaphthalene likely derive in most part from medium to heavy weight fuels.

Only the soil gas on the edge of the unpaved access road at the collection point of sample #738 (grid coordinate M8) exhibited a high relative level of naphthalene and methylnaphthalene in the near absence of other petroleum hydrocarbons (see the mass spectrum of sample #738). This finding may indicate that naphthalene and methylnaphthalene are present in the subsurface of AOC-J also as a result of the release of products principally composed of these semivolatiles such as coal tar, creosote, etc. A past application of coal tar to the road surface or margins of the road to retard plant growth may be the cause of the elevated naphthalene and methylnaphthalene levels detected at this one sampling point.

The subsurface mobility of organic compounds generally decreases with increasing molecular weight such that most of the naphthalene and methylnaphthalene (C_{10} and C_{11} compounds, respectively) present in the subsurface on-site may not have dispersed or migrated very far from the location at which they were first released to the subsurface. Thus, each of the numerous zones of elevated levels of naphthalenes may correspond to the location of source areas.

9.3 The Distribution of Total Oil & Grease Range Hydrocarbons

Total Oil & Grease Range Hydrocarbons reported here are C_{13}, C_{14}, and C_{15} alkanes, cycloalkanes, alkenes, cycloalkenes, dienes, and alkynes. These and larger (and subsequently less volatile) straight and branched chain and monocyclic hydrocarbons make up the base of most common petroleum lubricants. These compounds are also constituents of most medium and heavy weight petroleum products used as fuels and heating oils.

The areal distribution of total oil & grease range hydrocarbons in the soil gas on-site is displayed by Plate 4. Elevated levels of these compounds were detected in the soil gas infrequently and only in small zones scattered in the northeastern portion of the AOC.

The soil gas within most of these zones also contained elevated levels of light weight aromatics such that the overall composition of the soil gas is more like the composition of vapor derived from fuels than from lubricants. Only the soil gas at the collection point of sample #688 (at grid coordinate D2) contained other medium and heavy weight hydrocarbons which, in the relative proportions observed, suggest derivation from a lubricating oil or a medium to heavy weight petroleum product other than the fuels suspected to have impacted other portions of AOC-J. It may be inferred from these results that any impact to the subsurface within AOC-J due to oils and greases is very limited.

9.4 The Distribution of Total Halogenated Hydrocarbons

Total Halogenated Hydrocarbons are reported as the combined levels of PCE, TCE, TCA, DCB, Freon-11, and Freon-113 in the soil gas. These compounds are volatile liquids commonly used as solvents, cleaning agents, and refrigerants.

PCE was 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 PCE in the soil gas.

Elevated levels of halogenated hydrocarbons occurred principally in a large zone extending over the central and northwestern portions of AOC-J and in a smaller zone in the northeastern corner of the study area. Moderately elevated levels of halogenated hydrocarbons were also detected in several small zones (defined by a single sampling point) located to the north and south of the large centrally located zone.

Much of the large zone in the center of AOC-J lies across the downslope of the hill and is immediately downgradient of a large hot spot of both PCE and TCE within the eastern half of the zone (at grid coordinates D5, E4, and F5). This western downslope extension of the zone may reflect downgradient migration of halogenated hydrocarbons from source areas located upslope to the east. Each of the hot spots located within the large central zone and in the smaller zone to the northeast may correspond to former source areas of products containing halogenated hydrocarbons.

A comparison of the distribution of halogenated hydrocarbons in the soil gas to the distribution of aromatic petroleum hydrocarbons in the soil gas (shown by Plate 2) indicates that numerous points on-site demonstrated both high relative levels of petroleum hydrocarbons and halogenated organics. Although petroleum fuels, chlorinated solvents, and refrigerants are used for dissimilar purposes and are not components of one another, debris from which these products might then have leaked may have been discarded in the same locations on-site.

10.0 CONCLUSIONS

The following conclusions may be drawn from the findings of this Petrex soil gas survey:

1. Petroleum hydrocarbons exist in the subsurface on-site. The eastern half of AOC-J may demonstrate the greatest impact to the subsurface by petroleum hydrocarbons. Areas beyond AOC-J boundaries to the east and north may also demonstrate impact by the hydrocarbons detected on-site. Hydrocarbons in the subsurface within AOC-J are likely subject to radial dispersion and limited downgradient (westward) migration from source areas in the eastern half of the site.

2. The hydrocarbons detected in the soil gas likely derive from fuel products (light, medium, and heavy weight), although some of the light weight compounds detected (particularly aromatics) could derive in part from discarded paints or solvents. High levels of naphthalene and methylnaphthalene likely derive from both fuels and occasional occurrences of coal tar or similar products. Oils and greases are likely insignificant contributors to hydrocarbons in the subsurface.

3. Halogenated hydrocarbons, principally PCE, exist in the subsurface on-site. The central and northern portions of AOC-J likely demonstrate the greatest impact to the subsurface by halogenated hydrocarbon compounds. These compounds may issue from discarded materials and debris. Such source areas may be located near the crest of the hill across the central portion of the AOC and in the northeast corner of the AOC. Halogenated hydrocarbons in the subsurface in the central and western portions of the site may be migrating toward the west with the downslope in terrain.

5. Any verification of soil gas results for petroleum hydrocarbons should begin with testing of soil and groundwater from the collection points of samples #657, #685, #688, #701, and #738 (grid coordinates B6, C2, D2, F5, and M8). 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, from the collection points of samples #625, #679, #693, #720, and #728 (grid coordinates F9, B1, E4, H9, and G7). These locations exhibited the highest combined levels 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-J Petrex Soil Gas Survey Results

NERI Project: 2114-7E
Site: Operable Unit -5, USDOE Mound Facility
Analysis: Thermal Desorption - Mass Spectrometry
Date of Analysis: 10/18/94 to 10/19/94
Units: Ion Counts

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
617	1,407,396	56,064	ND	7,943
618	2,020,712	15,631	ND	16,895
619	546,566	598	ND	9,682
620	1,819,315	584,002	1,964	22,913
621	3,505,597	111,325	ND	22,955
622	867,832	13,596	1,841	41,827
623	6,113,814	16,214	ND	346,675
624	9,051,688	34,455	ND	871,364
625	725,617	52,824	2,746	4,094,910
626	1,206,818	73,774	ND	10,945
629	1,378,610	13,933	ND	7,885
630	57,850	2,291	639	7,648
631	266,877	1,292	ND	ND
633	684,699	33,571	ND	8,186
634	250,815	27,915	ND	ND
635	1,394,573	4,152	5,629	987,570
636	2,968,282	919,185	ND	237,151
637	1,678,027	12,920	3,427	317,850
638	2,368,155	235,010	902	635,225
639	2,296,511	75,456	662	51,870
640	1,604,449	577,869	ND	67,005
641	1,878,997	209,797	ND	115,015
642	2,024,298	73,635	ND	15,514
643	2,614,971	32,576	ND	6,690
644	871,127	ND	ND	6,286

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
645	2,762,084	1,228	ND	17,677
646	6,724,817	58,974	ND	21,963
647	3,123,151	13,315	ND	94,263
648	7,536,338	226,744	ND	86,101
649	2,718,466	6,347	ND	21,945
650	3,203,733	709,226	ND	68,711
651	1,551,701	2,593	1,049	7,293
652	6,888,467	157,328	4,426	249,516
653	2,180,375	338,296	ND	108,744
654	7,853,658	3,825,758	3,257	138,702
655	5,409,089	138,827	ND	33,569
656	6,640,008	7,003,032	2,461	19,270
657	7,814,017	14,379,881	82,811	ND
2657 (e)	4,707,052	12,941,221	64,154	ND
658	2,948,861	3,073,245	ND	36,358
659	3,143,382	78,152	ND	8,053
660	5,313,377	124,575	1,130	33,907
661	3,370,578	24,319	1,863	59,018
662	3,780,284	84,429	ND	105,039
663	1,183,737	25,297	ND	96,351
2663 (e)	660,009	17,438	ND	43,197
665	1,086,104	214,653	ND	ND
2665 (e)	695,936	196,433	4,201	ND
666	526,008	17,121	ND	ND
667	7,909,428	110,970	1,766	ND
668	695,982	ND	ND	ND
669	3,284,619	16,552	ND	29,703
670	721,533	61,062	921	ND
2670 (e)	1,721,784	95,421	1,928	ND
672	4,366,060	6,068,638	918	45,391
673	1,865,553	299,065	ND	33,038

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
674	2,640,468	47,054	12,445	34,483
675	3,015,282	85,280	ND	ND
677	2,452,815	48,624	ND	48,755
678	181,716	14,050	ND	14,531
679	1,948,459	38,183	3,581	3,320,275
680	9,682,986	121,678	25,573	825,082
681	6,673,516	781,904	15,580	101,681
682	T	166,991	414	16,809
685	9,988,237	366,756	5,410	115,381
686	2,128,548	14,524	4,092	505,645
687	3,930,048	57,079	1,897	164,591
688	2,421,190	245,796	64,193	ND
689	2,508,021	312,284	9,305	68,694
690	3,849,766	565,860	1,959	65,534
691	2,990,041	420,274	4,391	2,469,730
2691 (e)	5,183,395	357,923	5,468	2,795,300
692	1,272,072	114,238	ND	377,480
2692 (e)	1,392,446	129,017	549	523,556
693	6,492,660	115,138	54,852	2,681,492
694	3,631,465	24,262	3,549	54,724
695	36,782	ND	ND	7,910
2695 (e)	62,784	ND	3,171	10,618
696	1,047,453	55,343	13,455	48,690
698	6,008,345	134,455	6,931	ND
699	177,272	58,784	7,712	76,394
700	718,399	115,985	478	450,798
2700 (e)	1,672,637	150,916	2,758	929,917
701	6,405,212	403,205	70,352	1,830,440
702	6,020,356	492,240	4,192	894,273
703	873,592	8,484	1,454	827,967
704	4,191,128	292,583	ND	1,659,300

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
705	750,782	10,450	1,867	403,152
706	1,531,493	6,664	ND	101,555
707	882,051	1,794	608	695,830
708	1,738,795	105,748	2,568	58,285
709	20,871	13,171	ND	8,761
2709 (e)	71,704	32,750	1,192	61,206
710	79,004	49,005	831	50,573
2710 (e)	87,958	50,610	1,439	44,556
711	324,429	92,888	2,045	9,897
712	54,252	6,464	1,015	19,580
713	T	26,093	671	30,826
714	460,297	469,092	2,546	19,680
2714 (e)	777,172	549,969	2,719	19,342
715 (f)	354,179	57,315	ND	17,634
2715 (e)(f)	218,734	65,692	ND	9,403
716	1,524,273	89,665	5,242	32,140
717	278,595	11,771	ND	27,833
718	380,824	26,170	ND	9,549
719	6,930,096	574,716	2,394	69,275
720	6,389,946	41,728	ND	589,195
721	2,450,782	8,578	ND	21,779
722	41,468	2,260	ND	74,020
723	3,768,819	2,055,681	7,794	ND
724	285,260	1,925	ND	4,040
725	181,700	41,826	1,003	3,971
2725 (e)	464,912	93,442	855	11,687
726	2,870,614	7,066	1,052	197,150
727	101,598	1,010	ND	26,727
728	7,052,425	352,224	2,483	500,808
2728 (e)	5,494,724	364,095	2,356	248,322
729	861,752	532	ND	17,290

Table 1 (cont'd)

Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
730	194,641	891	ND	7,354
731	425,008	15,342	ND	14,993
732	416,943	ND	2,772	15,012
733	573,302	1,840	816	10,117
734	417,415	59,665	1,111	44,575
2734 (e)	331,943	43,805	ND	39,923
735	680,289	8,550	ND	28,904
736	975,136	9,957	693	11,751
737	845,699	14,850	ND	5,021
738	159,747	2,489,886	ND	13,072
739	925,161	5,399	ND	34,590
740	277,808	ND	ND	18,222
742	194,509	35,432	5,833	32,590
743	1,601,578	6,247	ND	154,580
744	417,038	4,702	ND	191,281
745	130,673	70,116	ND	38,819
746	3,070,068	179,139	1,111	38,106
747	740,091	12,536	9,304	811,128
748	1,020,840	21,147	ND	1,449,590
749	82,042	ND	893	33,500
750	27,779	ND	499	10,774
751	181,695	2,288	ND	13,617
752	716,975	77,993	12,219	197,485
753	741,761	11,837	823	170,636
754	52,608	ND	3,770	4,509
755	855,834	74,721	ND	11,473
756	1,055,866	8,600	ND	ND
757	2,649,593	22,160	ND	268,156
758	1,931,646	45,753	9,478	67,412
759	1,616,325	58,840	ND	45,446

Table 1 (cont'd)

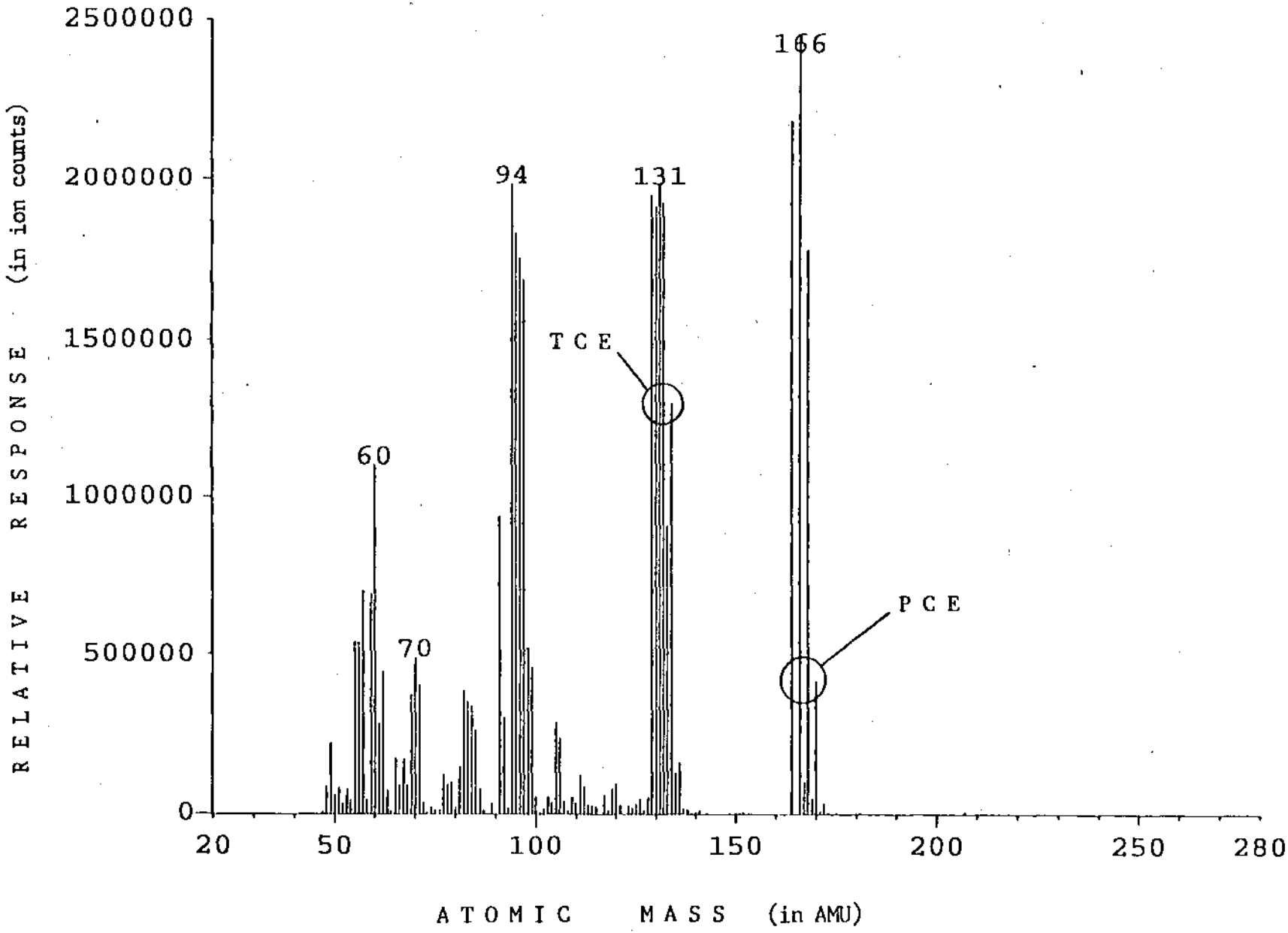
Sample #	Total Aromatic Hydrocarbons (a)	Total Semivolatile Hydrocarbons (b)	Total Oil & Grease Range Hydrocarbons (c)	Total Halogenated Hydrocarbons (d)
760	338,865	ND	2,236	469,449
761	242,828	ND	2,981	7,126
762	445,285	438	1,299	12,860
788	1,599,015	19,847	545	8,202
789	235,383	13,114	ND	247,247
790	627,049	22,049	ND	48,602
791	56,800	24,514	ND	11,548
792	1,797,140	37,577	6,057	147,184
793	T	990	5,601	32,189
794	827,594	35,829	1,347	149,756
795	344,754	4,712	512	7,223
796	1,178,094	38,776	18,176	43,060
797	443,850	12,797	9,031	84,604
878	279,575	197,534	ND	11,398
879 *	8,081	ND	ND	ND
880 *	54,381	1,606	ND	2,962
881 *	3,467	ND	ND	ND
882 *	2,846	ND	ND	ND
883 *	30,095	ND	ND	ND

Key:
(a) Intensity of response to ions of atomic masses 78, 92, 106, 120, 134, 148, 162, 176, 190, and 204.
(b) Intensity of response to ions of atomic masses 128, 142, 153, 156, 178, 184, 198, 202, and 212.
(c) Intensity of response to ions of atomic masses 180, 182, 184, 194, 196, 198, 208, 210, and 212.
(d) Intensity of response to ions of atomic masses 101, 130, 146, 151, and 164.
(e) Duplicate of preceding sample.
(f) Sample exhibits the potential to contain a low level of dichloroethene.
T Detection of aromatics was interfered with by terpenes; see text.
ND Target compounds were not detected in this sample.
* Travel Blank.

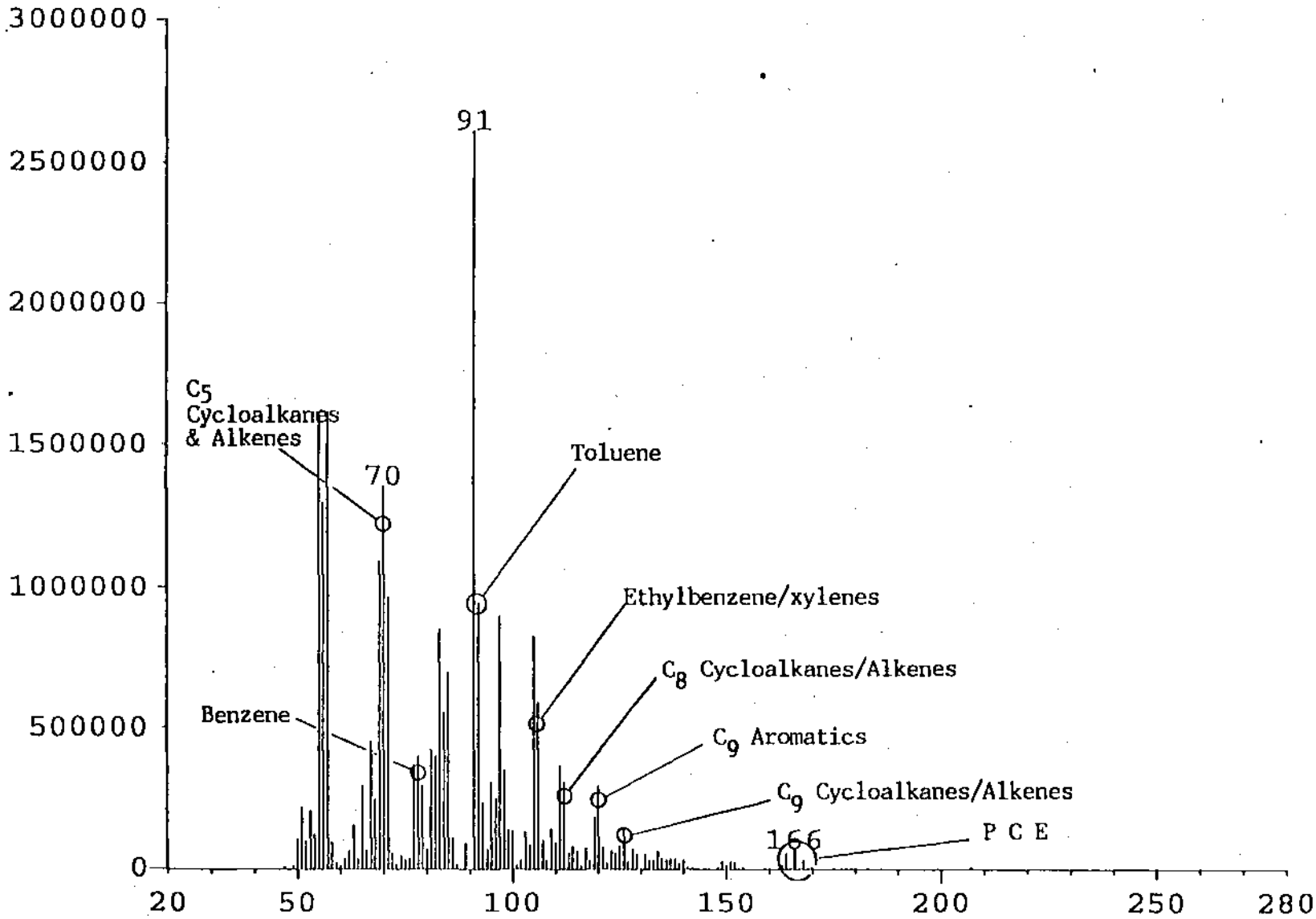
APPENDIX C
SAMPLE MASS SPECTRA

Sample Number

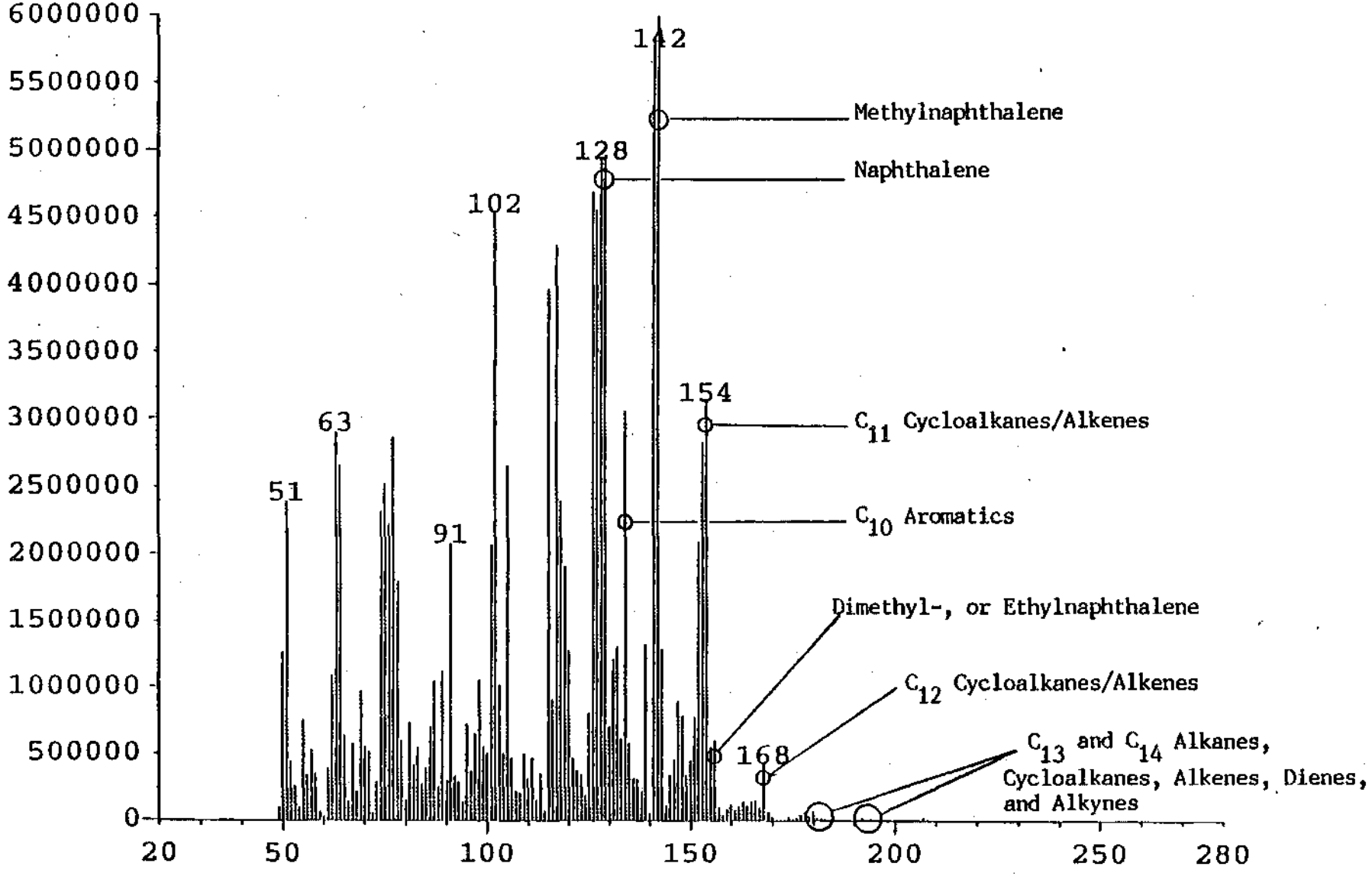
C:\DATA\2114-7\0625.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



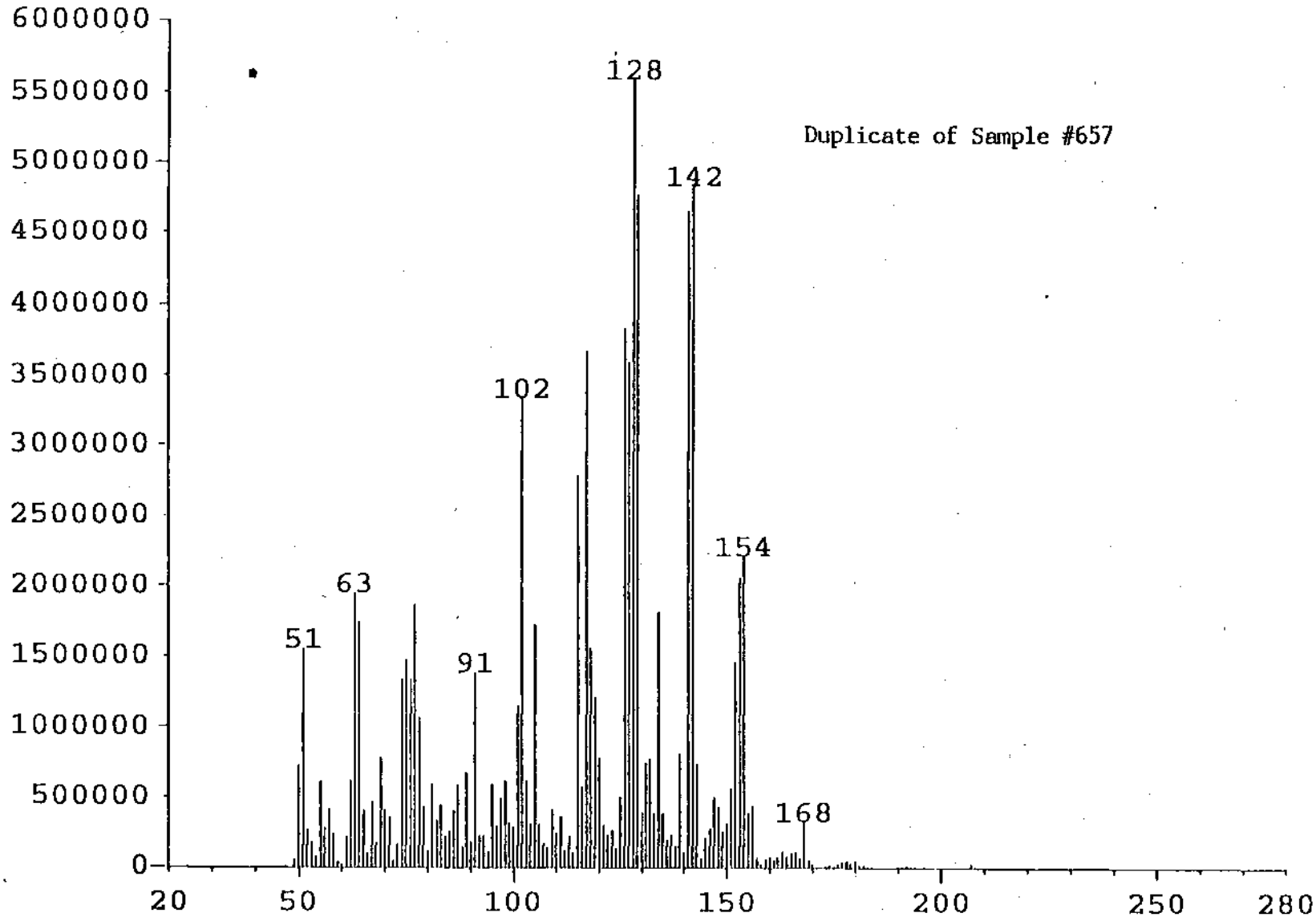
C:\DATA\2114-7\0639.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



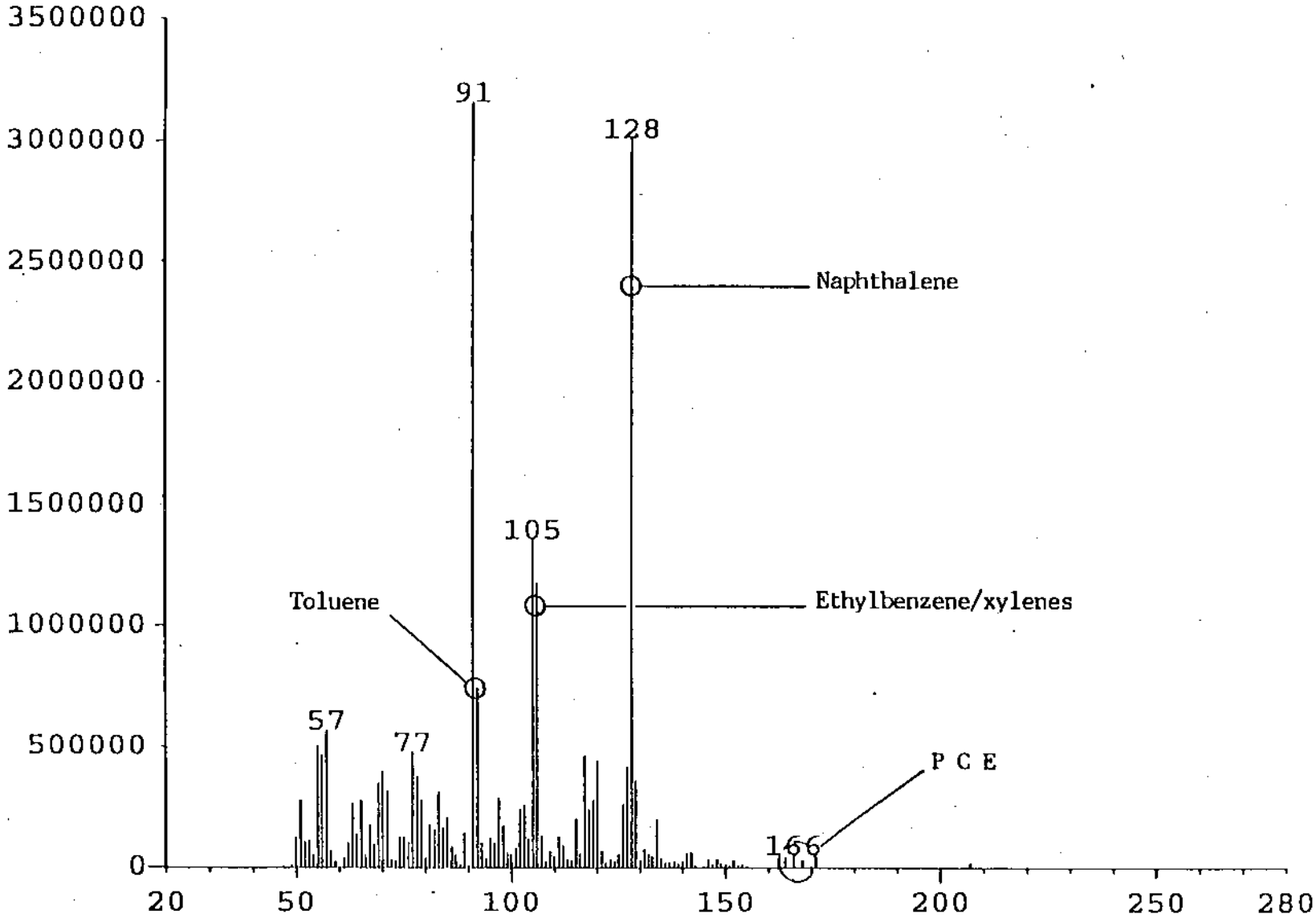
C:\DATA\2114-7\0657.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



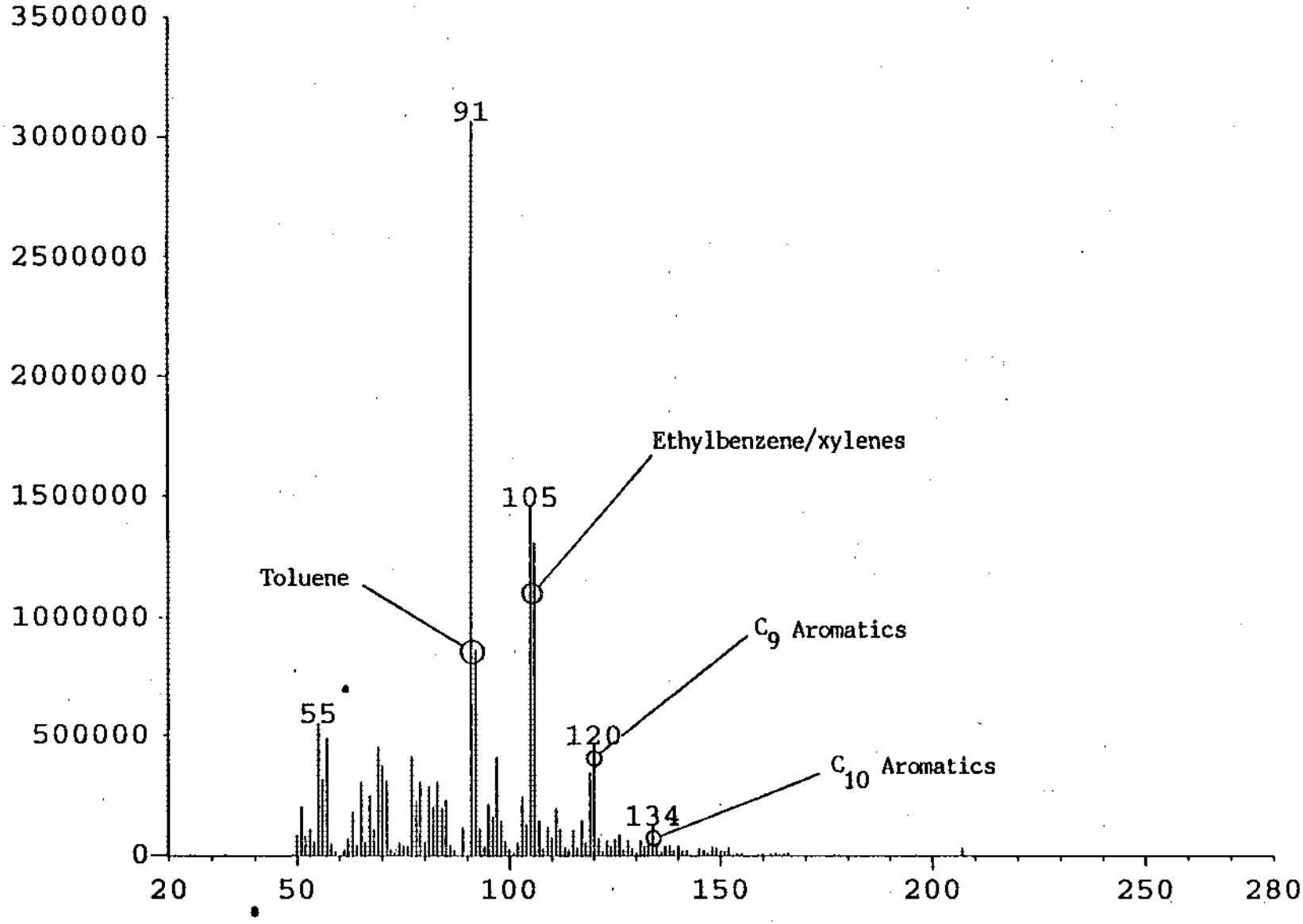
C:\DATA\2114-7\2657.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



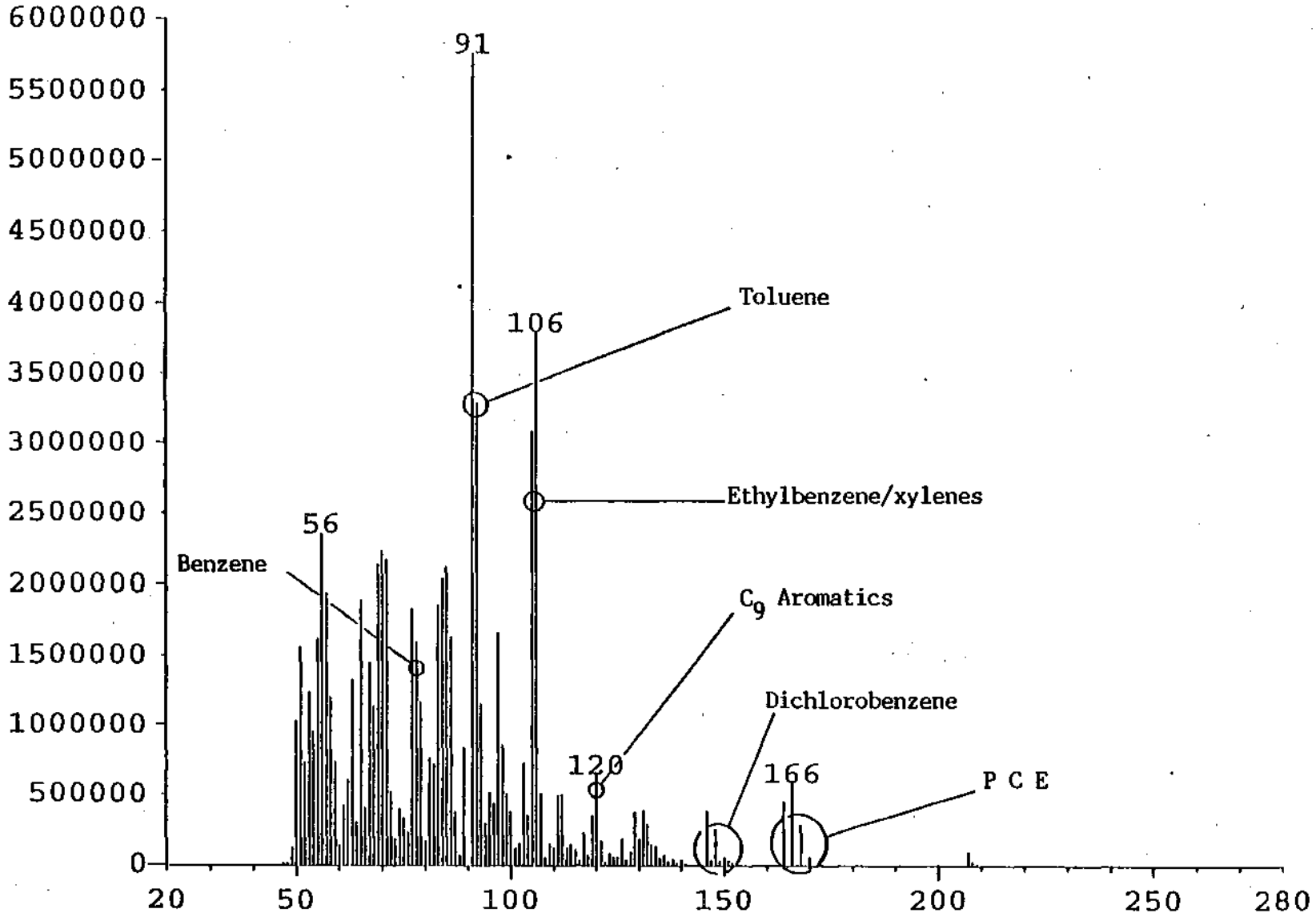
C:\DATA\2114-7\0658.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



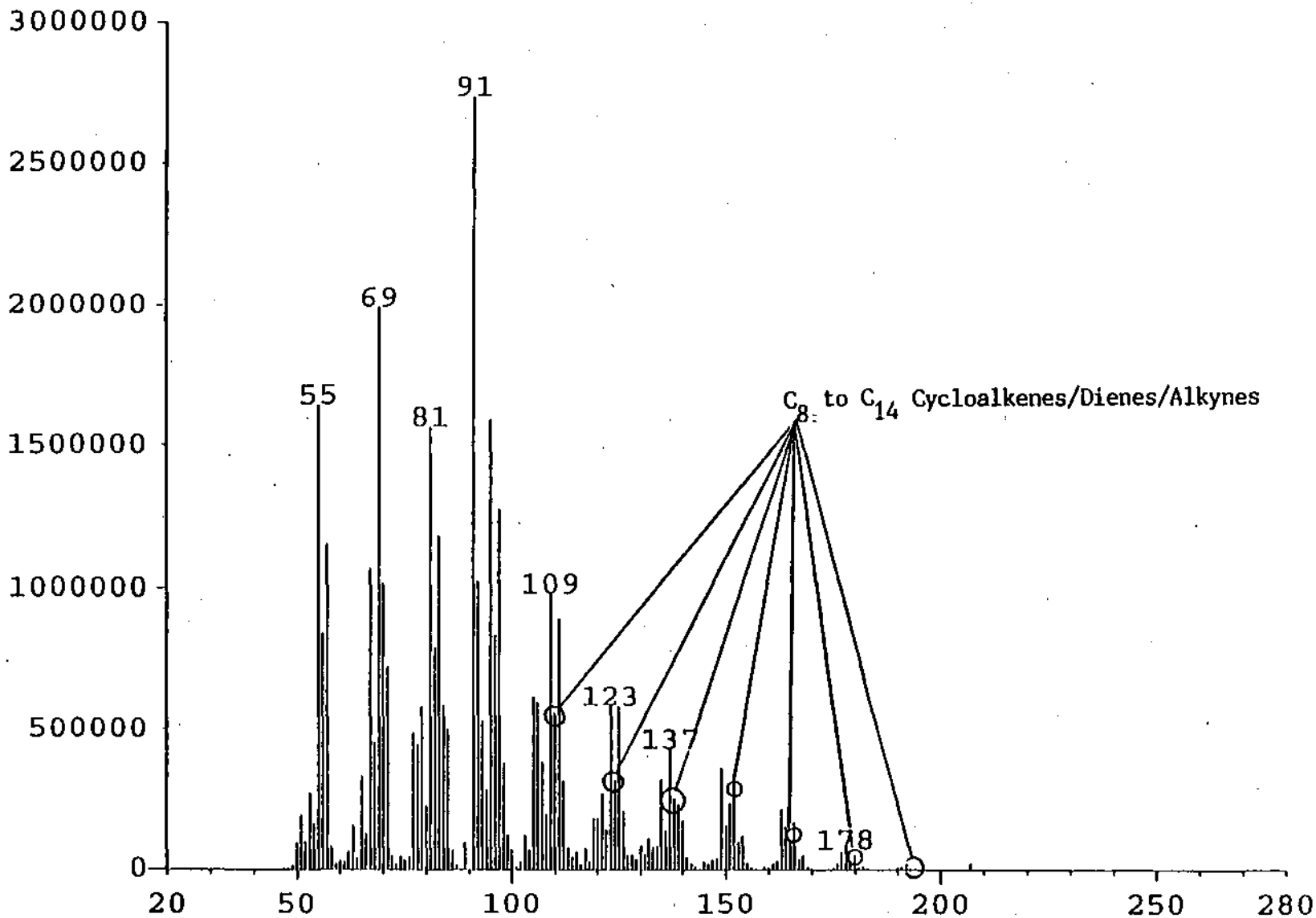
C:\DATA\2114-7\0675.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



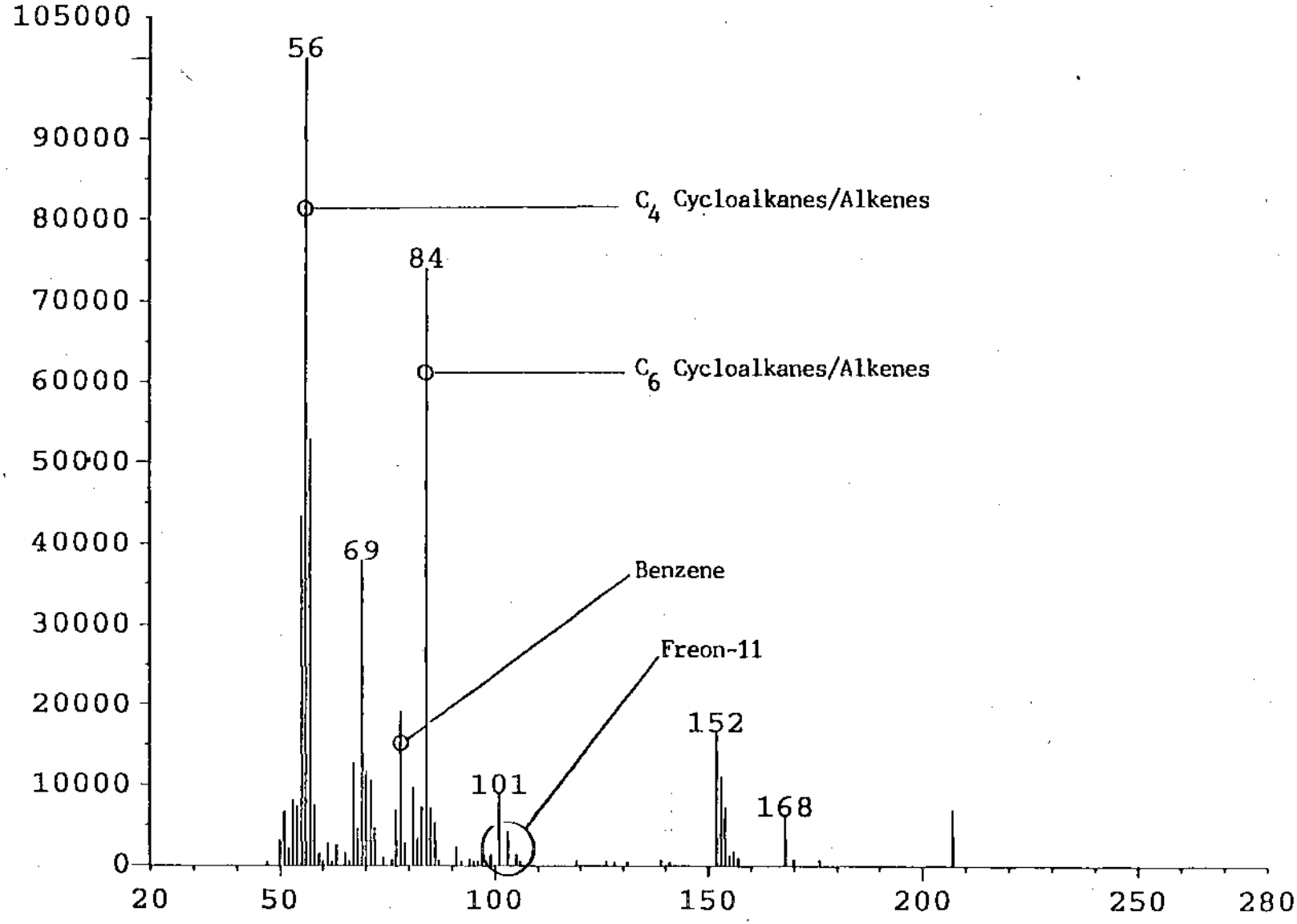
C:\DATA\2114-7\0680.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



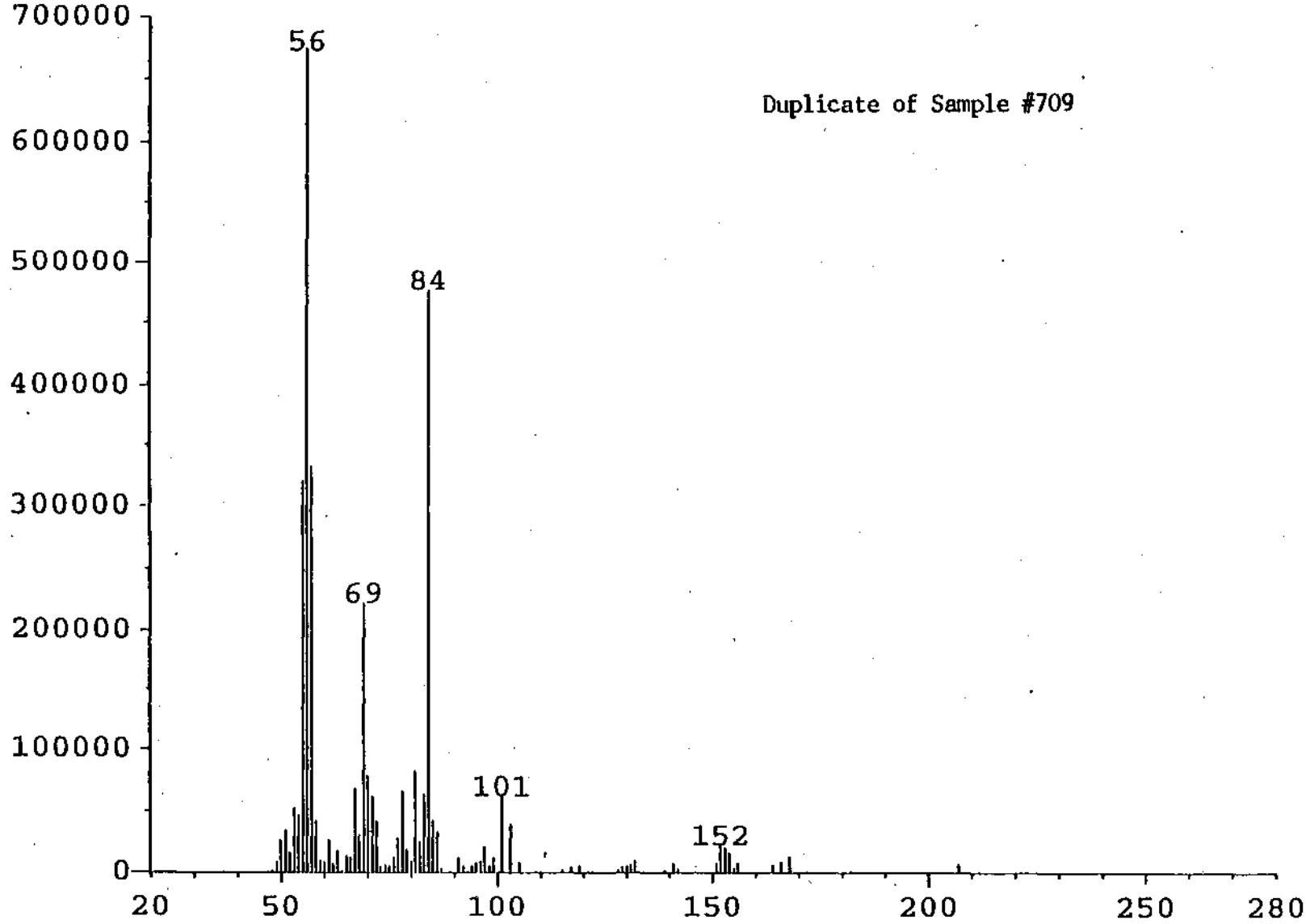
C:\DATA\2114-7\0688.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



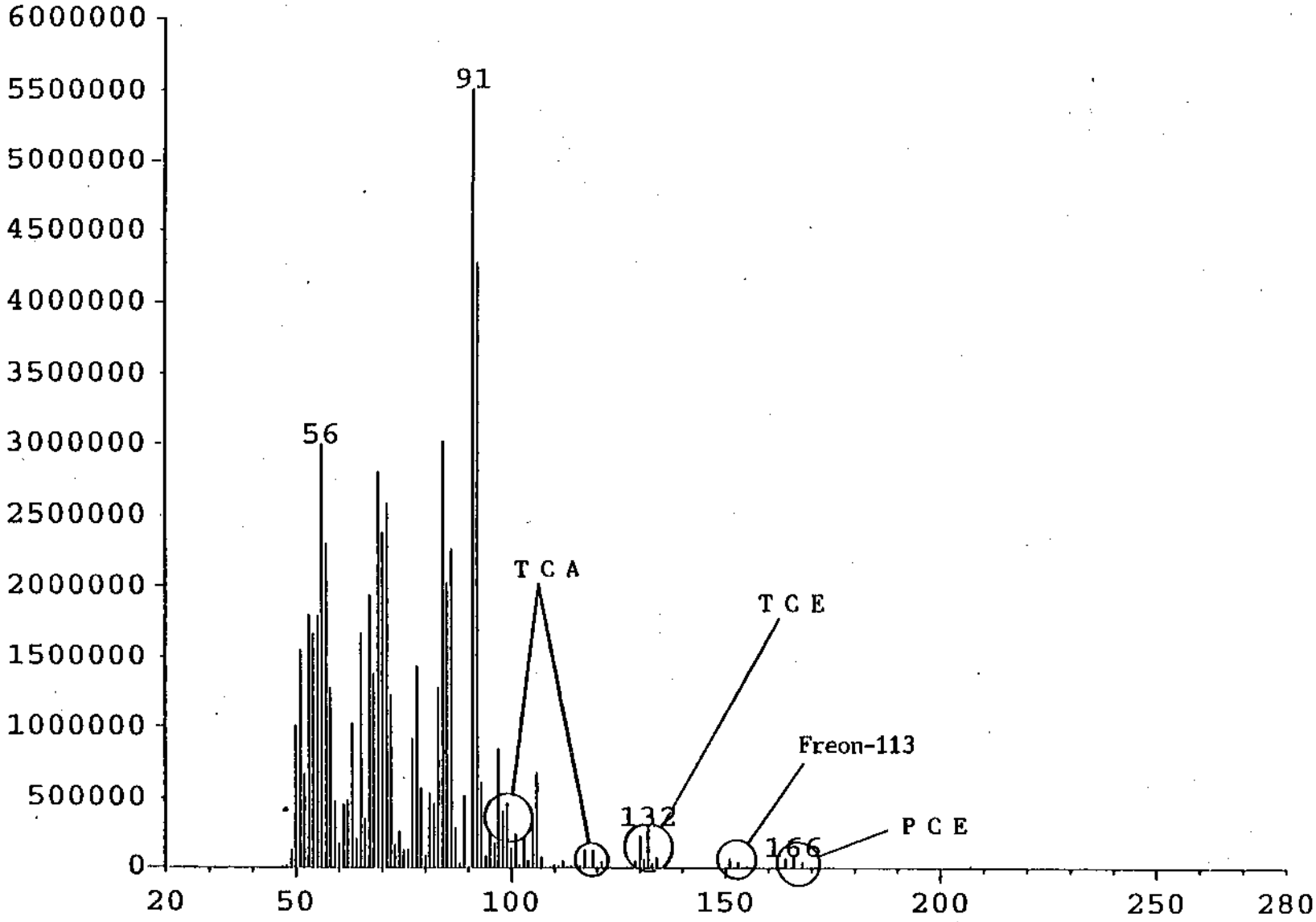
C:\DATA\2114-7\0709.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



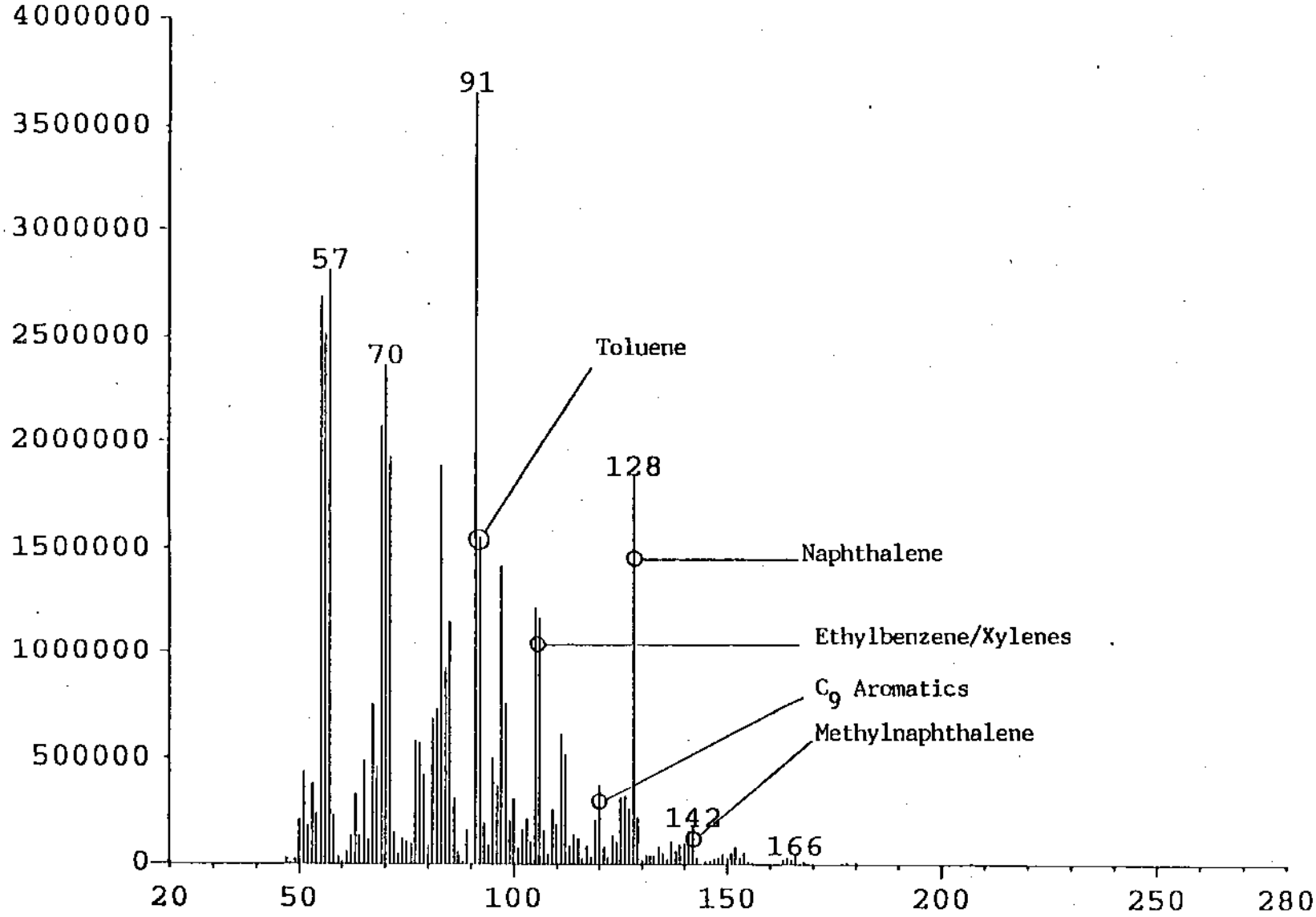
C:\DATA\2114-7\2709.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



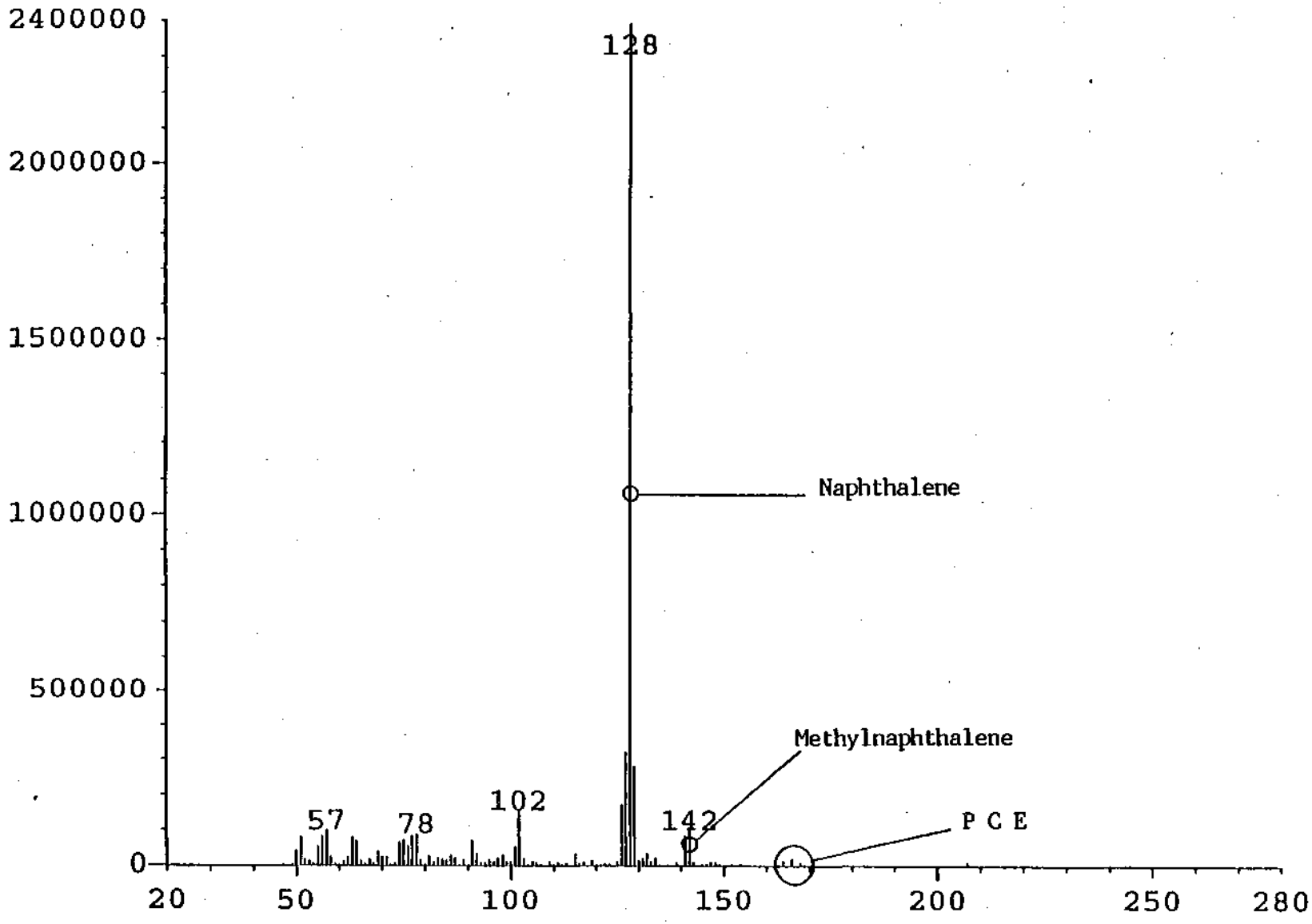
C:\DATA\2114-7\0720.TKF: Scan Avg 1-20 (0.01 - 0.14 min)



C:\DATA\2114-7\0723.TKF: Scan Avg 1-20 (0.01 - 0.14 min)

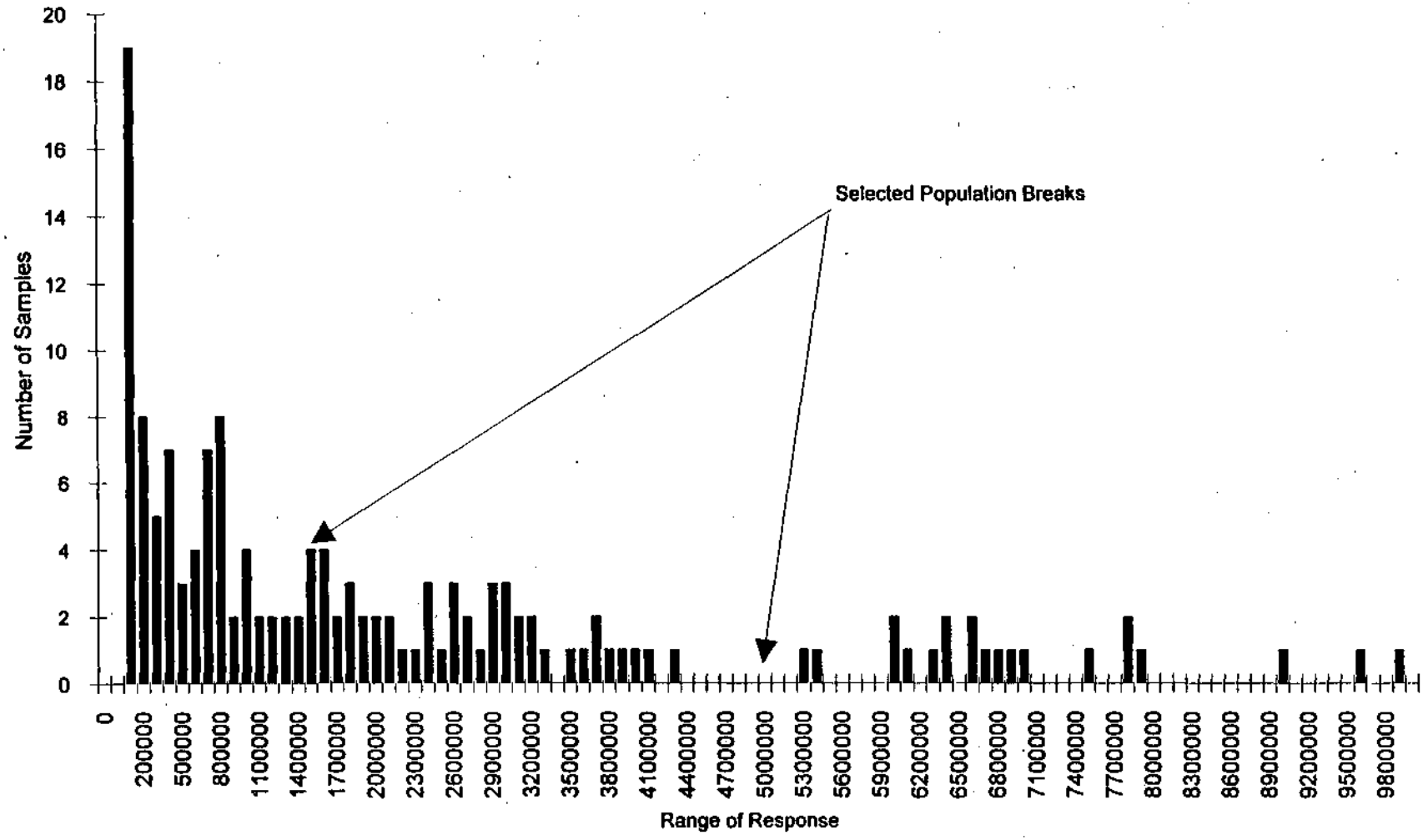


C:\DATA\2114-7\0738.TKF: Scan Avg 1-20 (0.01 - 0.14 min)

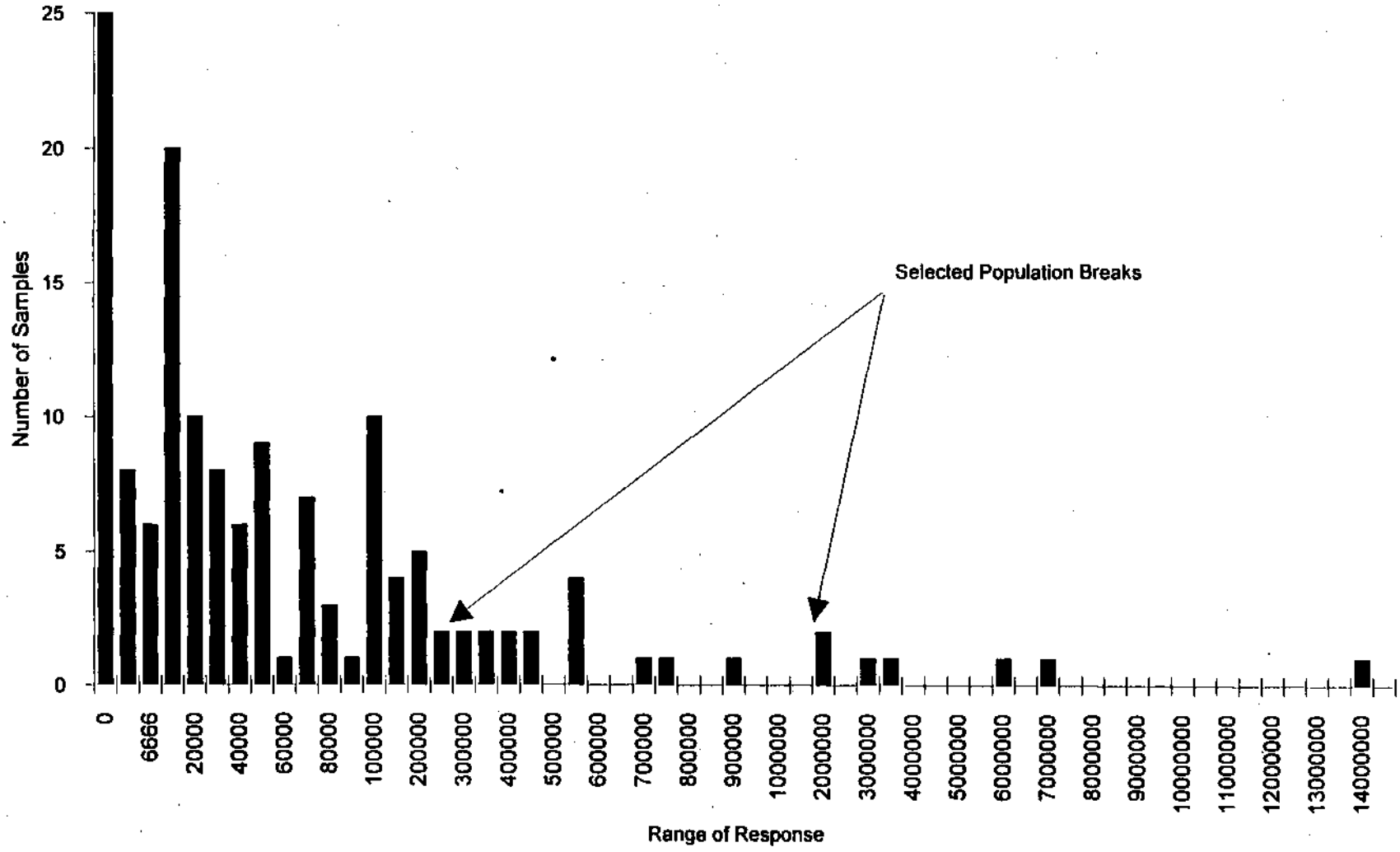


APPENDIX D
HISTOGRAMS OF DATA SETS

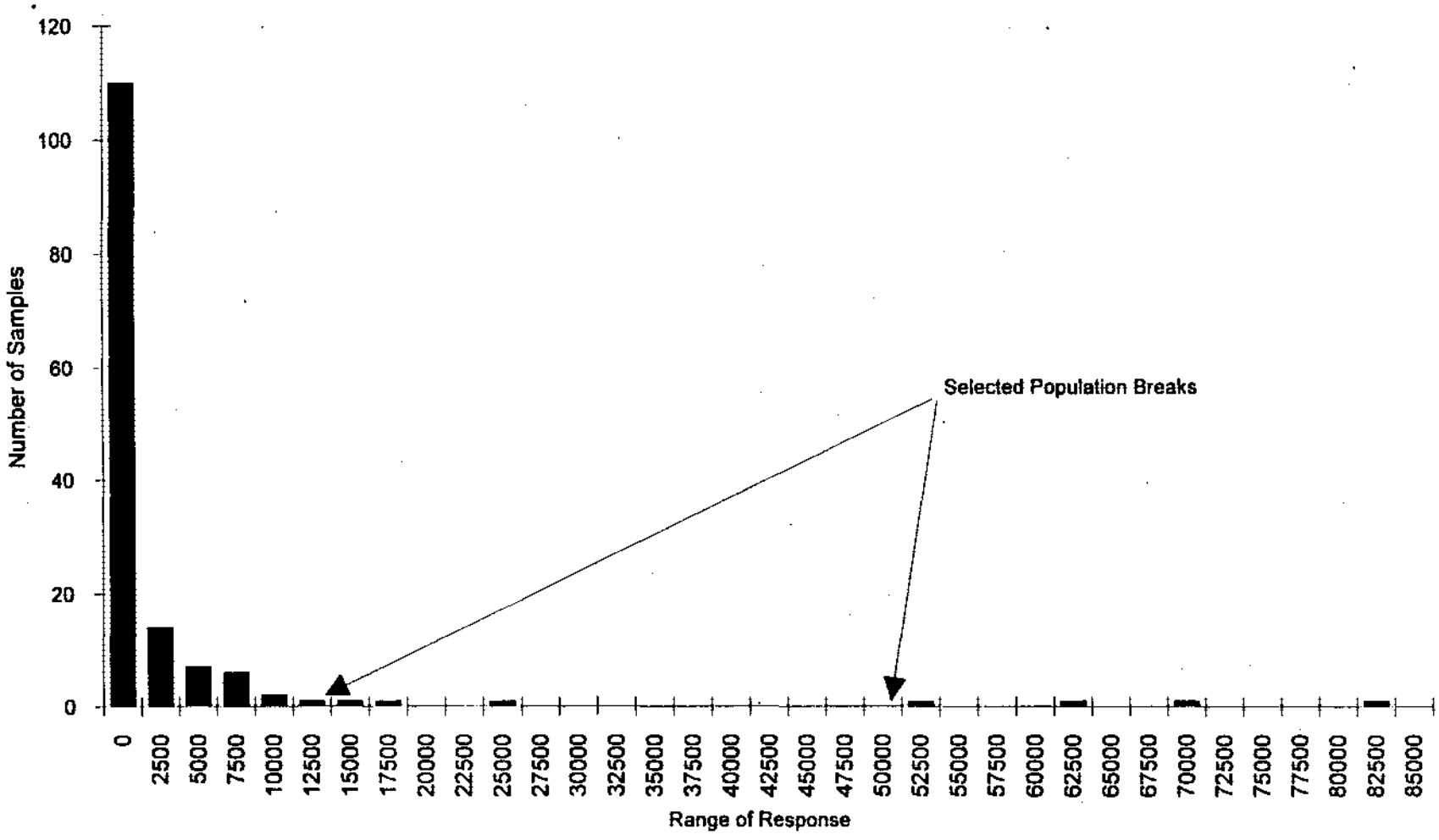
Histogram of Response to Total Aromatic Hydrocarbons

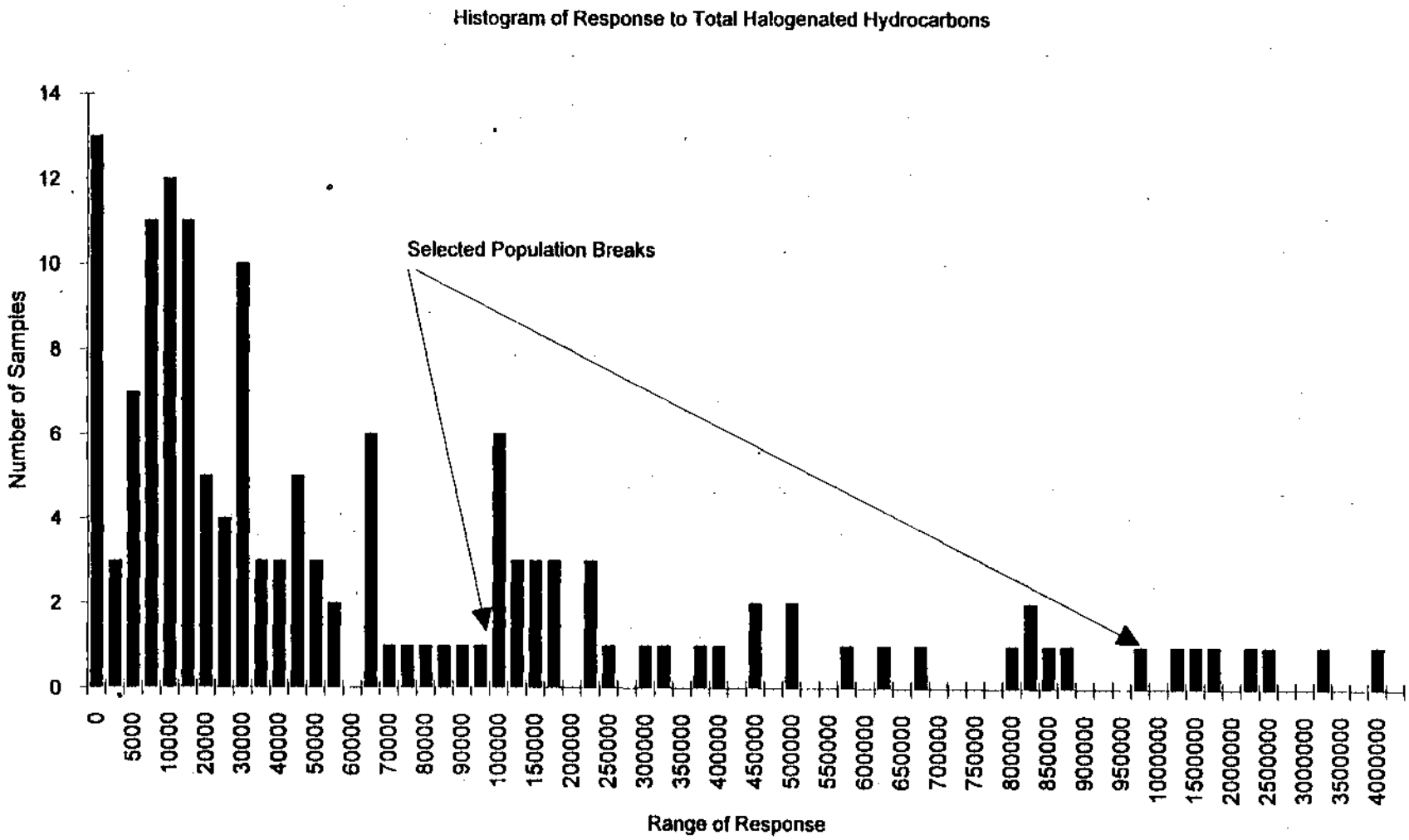


Histogram of Response to Total Semivolatile Hydrocarbons



Histogram of Response to Total Oil & Grease Range Hydrocarbons




Histogram of Response to Total Halogenated Hydrocarbons
Selected Population Breaks
Number of Samples
0
2
4
6
8
10
12
14
0
5000
10000
20000
30000
40000
50000
60000
70000
80000
90000
100000
150000
200000
250000
300000
350000
400000
450000
500000
550000
600000
650000
700000
750000
800000
850000
900000
950000
1000000
1500000
2000000
2500000
3000000
3500000
4000000
Range of Response

APPENDIX E
FIELD LOG SHEETS

SOIL GAS S[illegible] (PETREX)

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE I [illegible] PG. 21 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					
JAØ1		678	8/9/94 Ø933	8/25/94 1165	ND	ND		Bag # 32; Full
JAØ2		672	8/9/94 Ø919	8/25/94 1Ø42	ND	ND		Bag # 32; Full
JAØ3		675	8/8/94 1548	8/24/94 Ø9ØØ	ND	ND		Bag # 32; Full
JAØ4		674	8/8/94 1537	8/24/94 Ø855	ND	ND		Bag # 23; Full
JAØ5		673	8/8/94 1531	8/24/94 Ø852	ND	ND		Bag # 24; Full
JAØ6		672	8/8/94 1522	8/24/94 Ø85Ø	ND	ND		Bag # 24; Full
JAØ7		671	8/8/94 15ØØ	Stuck in asphalt abandoned	ND	ND		Bag # 32; Full
JAØ8		67Ø	8/8/94 1445	8/24/94 Ø842	ND	ND		Bag # 32; Full
JAØ9		669	8/8/94 1437	8/24/94 Ø838	ND	ND		Bag # 32; Full
JA1Ø		668	8/8/94 1430	8/24/94 Ø835	ND	ND		Bag # 32; Full
JA11		667	8/8/94 1420	8/24/94 Ø833	ND	ND		Bag # 23; Full
JA12		666	8/8/94 1407	8/24/94 Ø83Ø	ND	ND		Bag # 23; Full
JA13		665	8/8/94 1401	8/24/94 Ø828	ND	ND		Bag # 23; Full
			JPH 8/22/94					

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND DOS OPERATIONAL AREA, PHASE 1 — Pg 212 — 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
JBØ1		679	8/9/94 0943	8/25/94 1044	ND	ND		Bag #32; Full
JBØ2		680	8/9/94 0952	8/25/94 1005	ND	ND		Bag #32; Full
JBØ3		681	8/9/94 1015	8/25/94 1000	ND	ND		Bag #32; Full
JBØ4	682	~~[illegible]~~	~~8/8/94 1031~~	~~8/25/94 1040~~	~~ND~~	~~ND~~		~~Bag #32; Full~~
JBØ5		656	8/8/94 1046	8/24/94 0844	ND	ND		Bag #24; 15"
JBØ6		657	8/8/94 1051	8/24/94 0842	ND	ND		Bag #24; Full
JBØ7		658	8/8/94 1058	8/24/94 0838	ND	ND		Bag #24; Full
JBØ8		659	8/8/94 1107	8/24/94 0835	ND	ND		Bag #24; Full
JBØ9		660	8/8/94 1114	8/24/94 0834	ND	ND		Bag #24; Full
JB1Ø		661	8/8/94 1124	8/24/94 0830	ND	ND		Bag #24; Full
JB11		662	8/8/94 1137	8/24/94 0829	ND	ND		Bag #24; Full
JB12		663	8/8/94 1144	8/24/94 0828	ND	ND		Bag #24; Full
JB13		664	8/8/94 1154	Unable to be retrieved - gas line broke - tube blast	ND	ND		Bag #24; Full
			JDH 8/22/94					
JCØ1		686	8/9/94 1049	8/25/94 1046	ND	ND		Bag #32 Full
JCØ2		685	8/9/94 1059	8/25/94 1033	ND	ND		Bag #32; Full
JCØ3		684	8/9/94 1031	8/25/94 0955	ND	ND		Bag #32; Full
JCØ4		683	8/9/94 1124	8/25/94 1000 tube broke	ND	ND		Bag #32; Full

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA, PHASE 1 PG. 2/3 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
JCØ5		655	8/8/94	1027	8/24/94	Ø95Ø	ND	ND		Bag #24; 15"
JCØ6		654	8/8/94	1Ø23	8/24/94	Ø948	ND	ND		Bag #24; Full
JCØ7		653	8/8/94	1Ø14	8/24/94	Ø945	ND	ND		Bag #24; Full
JCØ8		652	8/8/94	1Ø05	8/24/94	Ø942	ND	ND		Bag #24; 16"
JCØ9		651	8/8/94	0954	8/24/94	Ø916	ND	ND		Bag #24; Full
JC1Ø		650	8/8/94	0944	8/24/94	Ø913	ND	ND		Bag #24; Full
JC11		649	8/8/94	0934	8/24/94	Ø91Ø	ND	ND		Bag #24; Full
JC12		648	8/8/94	0927	8/24/94	Ø9Ø8	ND	ND		Bag #24; Full
JC13		647	8/8/94	Ø916	8/24/94	Ø9Ø3	ND	ND		Bag #24; Full
			JPH 8/22/94							
JDØ1		687	8/9/94	1100	8/25/94	1Ø48	ND	ND		Bag # 32; Full
JDØ2		688	8/9/94	1107	8/25/94	1Ø36	ND	ND		Bag # 32; Full
JDØ3		689	8/9/94	1122	8/25/94	Ø95Ø	ND	ND		Bag #32; 15"
JDØ4		69Ø	8/9/94	1131	8/25/94	1ØØ7	ND	ND		Bag #32; Full
JDØ5		691	8/9/94	1138	8/25/94	Ø93Ø	ND	ND		Bag # 32; Full
JDØ6		639	8/4/94	1516	8/21/94	Ø955	ND	ND		full; bag 25
JDØ7		640	8/4/94	1525	8/21/94	Ø952	ND	ND		10"; bag 25
JDØ8		641	8/4/94	1544	8/21/94	Ø95Ø	ND	ND		Full; bag 25

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE 1 Pg 214 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
JDØ9		642	8/8/94 0825	8/24/94 Ø948	ND	ND		Bag# 24; Full
JD1Ø		643	8/8/94 0832	8/24/94 Ø945	ND	ND		Bag# 24; Full
JD11		644	8/8/94 0842	8/24/94 Ø942	ND	ND		Bag# 24; Full
JD12		645	8/8/94 0854	8/24/94 Ø925	ND	ND		Bag# 24; Full
JD13		646	8/8/94 0907	8/24/94 Ø922	ND	ND		Bag# 24; 16"
JDØ7		64Ø	8/4/94 1535	8/11/94 1338	ND	ND		Timer #1; 8"
JDØ7		64Ø	8/4/94 1546	8/12/94 12ØØ	ND	ND		Timer #2; full
				JPH 8/22/94				
JEØ1		696	8/9/94 1350	8/25/94 1Ø5Ø	ND	ND		Full; bag 30
JEØ2		695	8/9/94 1342	8/25/94 1Ø38	ND	ND		Full; Bag 32
JEØ3		694	8/9/94 1337	8/25/94 Ø948	ND	ND		14"; bag 32
JEØ4		693	8/9/94 1158	8/25/94 Ø948	ND	ND		Full; bag 32
JEØ5		692	8/9/94 1148	8/25/94 Ø932	ND	ND		Full; bag 32
JEØ6		638	8/4/94 15Ø6	8/24/94 Ø952	ND	ND		Full; bag 25
JEØ7		637	8/4/94 1456	8/24/94 Ø954	ND	ND		Full bag 25
JEØ8		636	8/4/94 1445	8/24/94 Ø956	ND	ND		10" bag 23
JEØ9		635	8/4/94 1435	8/24/94 Ø958	ND	ND		8" bag 23 - wires broken to take
JE1Ø		634	8/4/94 1425	8/24/94 1ØØ2	ND	ND		12"; bag 23
JE11		633	8/4/94 1418	8/24/94 1ØØ4	ND	ND		bag 23; Full
JE12		632	8/4/94 1414	8/24/94 1ØØ6	ND	ND		bag 23; full, to be not retrieve

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 Pg. 215 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
JE13		631	8/4/94 1410	8/24/94 1010	ND	ND		BAG#23; Full
			gPH 8/22/94					
JFØ1		697	8/9/94 1400	Bag wire broke - unable to locate tube	ND	ND		bag 30; Full
JFØ2		698	8/9/94 1408	8/25/94 1050	ND	ND		bag 30; Full
JFØ3		699	8/9/94 1413	8/25/94 0944	ND	ND		bag 30; 12"
JFØ4		700	8/9/94 1420	8/25/94 0928	ND	ND		bag 30; Full
JFØ5		701	8/9/94 1435	8/25/94 0934	ND	ND		bag 30; Full
JFØ6		702	8/9/94 1446	8/25/94 0918	ND	ND		bag 30; Full
JFØ7		623	8/4/94 1044	8/24/94 0957	ND	ND		BAG#23, Full/ tube [illegible]
JFØ8		624	8/4/94 1051	8/29/94 0908	ND	ND		BAG#23, Full
JFØ9		625	8/4/94 1055	8/24/94 1012	ND	ND		BAG#23, Full
JF1Ø		626	8/4/94 1104	8/24/94 1015	ND	ND		BAG#23; Full
JF11		627	8/4/94 1111	Guy wire broke - unable to retrieve	ND	ND		BAG#23; Full
JF12		628	8/4/94 1116	tube - lost in gravel/dirt	ND	ND		BAG#23; Full
JF13		629	8/4/94 1129	8/24/94 1034	ND	ND		BAG#23; Full
			gPH 8/22/94					

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 216 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
No Entry GPH		8/22/94						
JGØ1		797	8/15/94 1554	9/1/94 Ø85Ø	ND	ND		full; bag 36
JGØ2		796	8/15/94 1547		ND	ND		full; bag 36
JGØ3		707	8/9/94 1556	8/26/94 Ø946	ND	ND		15"; bag 30
JGØ4		7Ø5	8/9/94 1537	8/25/94 Ø93Ø	ND	ND		8"; bag 30
JGØ5		703	8/9/94 15Ø8	8/25/94 Ø938	ND	ND		Full; bag 3Ø
JGØ6		735	8/10/94 1425	8/25/94 Ø916	ND	ND		full; bag 28
JGØ7		728	8/10/94 1131	8/25/94 Ø915	ND	ND		full; bag 28
JGØ8		622	8/4/94 1Ø3Ø	0	ND	ND		7in.; BAG #23
JGØ9		621	8/4/94 1Ø2Ø	8/24/94 1Ø22	ND	ND		Full; BAG #23
JG1Ø		62Ø	8/4/94 1Ø15	8/24/94 1Ø2Ø	ND	ND		14"; BAG #23
JG11		619	8/4/94 1Ø07	8/24/94 1Ø18	ND	ND		Full; BAG #23
JG12		618	8/4/94 1Ø03	8/24/94 1Ø15	ND	ND		Full; BAG #23
JG13		617	8/4/94 0946	8/24/94 1Ø12	ND	ND		Full; BAG #23
JG13		Timers	8/4/94 Ø95Ø	8/11/94 1336	ND	ND		Full; Timer
JG13		Timer	8/4/94 Ø95Ø	8/17/94 12Ø5	ND	ND		Full; Timer
			GPH 8/22/94					
JHØ1		791	8/15/94 1455	9/1/94 Ø854	ND	ND		full; bag 31
JHØ2		792	8/15/94 1572	9/1/94 Ø921	ND	ND		full; bag 31
JHØ3		759	8/11/94 1122	8/29/94 Ø857	ND	ND		full; bag 29

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 Pg. 217 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
JHØ4		706	8/9/94 1546	8/25/94 Ø932	ND	ND		15"; bag 30
JHØ5		704	8/9/94 1515	8/25/94 Ø941	ND	ND		Full; bag 30
JHØ6		734	8/10/94 1411	8/25/94 Ø914	ND	ND		full; bag 28
JHØ7		729	8/10/94 1137	8/25/94 Ø912	ND	ND		full; bag 28
JHØ8		724	8/10/94 1041	8/25/94 Ø837	ND	ND		full; bag 28
JHØ9		720	8/10/94 Ø953	8/25/94 Ø835	ND	ND		full; bag 30
JH1Ø		715	8/10/94 0854	8/25/94 Ø834	ND	ND		full; bag 30
JH11		711	8/10/94 Ø805	8/25/94 Ø813	ND	ND		full; bag 30
JH12		709	8/10/94 Ø741	8/25/94 Ø818	ND	ND		full; bag 30
JH13		708	8/10/94 Ø732	8/25/94 Ø814	ND	ND		full; bag 30
			8/22/94					
JIØ1		790	8/15/94 1447	9/1/94 Ø858	ND	ND		full; bag 31
JIØ2		793	8/15/94 1517	9/1/94 Ø919	ND	ND		12"; bag 31
JIØ3		758	8/11/94 1116	8/29/94 Ø855	ND	ND		full; bag 29
JIØ4		753	8/11/94 Ø945	8/29/94 Ø825	ND	ND		full; bag 29
JIØ5		749	8/11/94 Ø902	8/29/94 Ø827	ND	ND		full; bag 29
JIØ6		733	8/10/94 1400	8/25/94 Ø912	ND	ND		full; bag 28
JIØ7		730	8/10/94 1335	8/25/94 Ø910	ND	ND		full; bag 28

OCT-21-94 17:22 FROM: S.A.I.C. SIGNAL HILL ID: PAGE 6

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA PHASE 1 Pg. 2/3 PROJECT NO.: 34896

LOCATION GRID ID	MOUND SAMPLE NUMBER	PETREX NUMBER	DATE / TIME PLACE	DATE / TIME RETRIEVE	FIDLER READING (CPM) CH1	FIDLER READING (CPM) CH2 = (1000)	COC NUMBER	COMMENTS
JI08		725	8/10/94 1100	8/25/94 0840	ND	ND		full; bag 28
JI09		721	8/10/94	8/25/94 0838	ND	ND		full; bag 28
JI10		716	8/10/94 0859	8/25/94 0832	ND	ND		full; bag 30
JI11		712	8/10/94 0814	8/25/94 0815	ND	ND		full; bag 30
JI12		710	8/10/94 0750	8/25/94 0827	ND	ND		full; bag 30
JI13								
				JPH 9/22/94				
JJ01		789	8/15/94 1434	9/1/94 0900	ND	ND		full; bag 31
JJ02		794	8/15/94 1527	9/1/94 0916	ND	ND		full; bag 31
JJ03		757	8/11/94 1105	8/29/94 0853	ND	ND		full; bag 29
JJ04		752	8/11/94 0934	8/29/94 0830	ND	ND		full; bag 29
JJ05		749	8/11/94 0855	8/29/94 0830	ND	ND		full; bag 29
JJ06		732	8/10/94 1355	8/25/94 0910	ND	ND		full; bag 28
JJ07		731	8/10/94 1341	8/25/94 0908	ND	ND		full; bag 28
JJ08		726	8/10/94 1104	8/25/94 0842	ND	ND		full; bag 28
JJ09		722	8/10/94 1007	8/25/94 0840	ND	ND		16"; bag 28
JJ10		717	8/10/94 0907	8/25/94 0829	ND	ND		full; bag 30
JJ11		713	8/10/94 0822	8/25/94 0819	ND	ND		full; bag 30

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OU5 OPERATIONAL AREA, PHASE 1 PG. 2/9 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
JJ12								
JJ13								
			JPH 8/22/94					
JKØ1		788	8/15/94 1425	8/1/94 Ø9Ø5	ND	ND		14"; bag 31
JKØ2		795	8/15/94 1532	9/1/94 Ø9Ø8	ND	ND		full; bag 36
JKØ3		756	8/11/94 1057	8/29/94 Ø85Ø	ND	ND		Full; bag 29
JKØ4		63Ø	8/4/94 134	8/25/94 Ø934	ND	ND		15"; Bag 23
JKØ5		747	8/11/94 Ø846	8/29/94 Ø835	ND	ND		15"; bag 29
JKØ6		744	8/10/94 1533	8/25/94 Ø9Ø8	ND	ND		full; bag 28
JKØ7		744	8/10/94 1538	8/25/94 Ø9Ø4	ND	ND		full; bag 28
JKØ8		721	8/10/94 1014	8/25/94 Ø844	ND	ND		full; bag 28
JKØ9		723	8/10/94 1019	8/25/94 Ø844	ND	ND		full; bag 28
JK1Ø		718	8/10/94 Ø926	8/25/94 Ø926	ND	ND		full; bag 30
JK11		714	8/10/94 Ø835	8/25/94 Ø822	ND	ND		full; bag 30
JK12			JPH 8/22/94					
JK13								
JK4		Timer	8/4/94 132	8/11/94 1348	ND	ND		15"; Time Test
JK4		Timer	8/4/94 1330	8/17/94 1155.	ND	ND		15"; Time Test

SOIL GAS SURVEY (PETREX)

PROJECT NAME: EG&G MOUND OUS OPERATIONAL AREA, PHASE 1 PG. 22Ø 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 9/22/94					
JLØ1		762	8/11/94 1145	8/29/94 Ø847	ND	ND		full; bag 29
JLØ2		760	8/11/94 1135	8/29/94 Ø844	ND	ND		full; bag 29
JLØ3		755	8/11/94 1041	8/29/94 Ø842	ND	ND		full; bag 29
JLØ4		751	8/11/94 Ø925	8/29/94 Ø833	ND	ND		full; bag 29
JLØ5		746	8/11/94 Ø833	8/29/94 Ø837	ND	ND		full; bag 29
JLØ6		743	8/10/94 1552	8/25/94 Ø9Ø6	ND	ND		full; bag 28
JLØ7		741	8/10/94 1532	8/25/94 Ø9Ø6	ND	ND		full; bag 28
JLØ8		739	8/10/94 1515	8/25/94 Ø857	ND	ND		full; bag 28
JLØ9		736	8/10/94 1454	8/25/94 Ø847	ND	ND		full; bag 28
JL1Ø		719	8/10/94 Ø954	8/25/94 Ø824	ND	ND		full; bag 30
JL11								
JL12					LØ7 still had black liner on tube on			
JL13							Retrieval!!!	
			QPH 9/22/94					
JMØ1		761	8/10/94 1215	8/29/94 Ø850	ND	ND		full; bag 29

APPENDIX F
SAMPLE SUBMITTAL & CHAIN OF CUSTODY FORMS

BOC-3

NERI

Sample Submittal Form

Project Number: 2114-7E

Project Manager: PCB

Date Samples Received : 9/2/84

Date(s) Samples Analyzed : 10/18 - 10/19/84

Number of Tubes Submitted: 155

Number of Calibration Samples : 15

List: 623/1623, 638/1638, 642/1642, 644/1644, 652/1652, 741/1741, 742/1742, 746/1746, 747/1747, 749/1749, 754/1754, 756/1756, 791/1791, 792/1792 794/1794 (TRIPLICATES: 657/2657, 663/2663, 665/2665, 670/2670, 691/2691, 692/2692, 695/2695, 700/2700 709/2709, 710/2710, 714/2714, 715/2715, 725/2725, 728/2728, 734/2734.)

Number of Travel Blanks : 5

List: BAG #23+24 = #879, BAG #31+32 = #880, BAG #23+24 = #881, BAG #29+30 = #882
BAG #27+28 = #883

Greatest Sample Number: 878

Total Number of Missing Samples: 112

List: 627, 628, 664, 671, 676, 683, 697, 763 → 787, 798 → 877

Number of Other Samples Analyzed : 14 yr

Total Number of Samples Analyzed : 147 + 5 + 14 + 30 DUPS.

Information Received (Maps, Notes, Etc.) : COC + MAPS TO PCB.

Sample Preparation and Analysis : SAMPLES #632 + #684
~~#27~~ #674 IS A SINGLE WIND.

NERI, LLC.
605 Parfet St. Suite 100
Lakewood, CO. 80215
(303) 238-0090

SAM_SUBM.XLS

PETREX ENVIRONMENTAL SURVEY
Chain of Custody Document

Job Number 2114E (Please refer to this job number with all correspondence and shipments)

FIELD DATA:
• Facility Mound Plant Area J
• Location Miamisburg, OH

• Field Manager John Davis / Joletta Humpert • Phone 513-429-2699

PYMS LAB DATA:

Instrument
Operator
Phone
Sample Nos.

GC/MS LAB DATA:

SAMPLE DATA:

• Number of Samples
• Date Shipped to Field 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 ~~9/1/94~~ 9/2/94
Conditions as Recd. in Lab Good

Number Received J. Hale : 150 + 5 T.B.
Received By

SAMPLE TRANSFER DATA:

	Relinquished By:	Relinquished To:	Date:	Time:	Reason:
1.	J. Humpert	NERI	9/1/94	1300	Analysis
2.		CAS/J. TALLAN	9/2/94		COC-N-ANALYSIS
3.					
4.					
5.					
6.					

Notes:
Area J F1/697 - tube and guy wire broke - unable to locate sample wires.
Area J L7/741 - black liner still on tube when retrieved!!
Area J M2/676 - tube lost when guy wire broke - unable to locate - abandonned.
• Area J A7/671 - tube stuck in asphalt; guy wire broke - hole abandonned.
• The following tubes were broken on retrieval and wires transferred to clean tube:
A4/674, F7/623, E9/635, E12/632, ~~C4/683~~ C3/684
• Area J F11/627 and F12/628 - guy wire broke; unable to retrieve tube.
• Area J B13/664 - unable to retrieve tube from collapsed hole - tube lost in gravel/dirt.
• Area J C4/683 - tube broke on retrieval - unable to retrieve wires.

Part 4 of 4

25-02-10-01
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APPENDIX E

GEOPHYSICAL INVESTIGATION

NORTHERN EXTENSION OF LANDFILL AREA

AREA J

MOUND PLANT

DRAFT
(Revision 0)

November 1994

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1. BACKGROUND

This report presents the geophysical data and interpretations of the northern extension of Area J. This is a continuation of a geophysical survey previously conducted in Area J (DOE 1993). The area surveyed for this investigation contains construction debris and covers approximately 26,500 square feet (Figure 1). The eastern one-third of the area is relatively flat. The western two-thirds of the area slopes down to the west at approximately 3:1 (horizontal:vertical) over a horizontal distance of about 150 feet. The survey area flattens at the toe of the slope. In the northwestern area, just outside the survey area, is a small area of slight topographic depression containing cattails and other grasses. At the time the survey was conducted, the depressed area was dry.

The upper flat area is covered with a variety of grasses and scattered man-made debris. The southeastern corner of the survey area has an eroded channel that deepens to the southwest and discharges surface water over the slope. In the northeastern corner is an area relatively devoid of grasses; the ground surface is covered with crushed rock, gravel, and scattered debris. A lobe of these materials extends westward and appears to cover the northern extrapolation of the boundary between the flat area and the slope observed to the south. This northeastern area contains a concrete pit covered with a steel grate. Two steel manhole covers are also located near the concrete pit. The west-facing slope contains soil, construction debris, and has dense vegetation of trees and brush.

Man-made materials observed on the surface of the flat area include metal, limestone blocks, concrete blocks, concrete pipes, rubber, plastic, and other construction debris. Along the boundary between the flat area and the steep slope are concrete blocks with reinforcing steel bars. The surface of the steep slope contains a wide range of construction debris including limestone blocks, concrete blocks with reinforcing steel bars, asphalt, a 55-gallon drum, iron pipes and valves, miscellaneous ferrous and non-ferrous metal, plastic pipes, rubber hoses, and miscellaneous scrap metal. Because the steep slope was covered with dense vegetation, it was necessary to clear traverse lines for the geophysical survey.

Magnetometer/gradiometer and electromagnetic (both EM-31 and EM34-3) surveys were performed to locate objects (e.g., 55-gallon drums, large blocks of concrete, ferrous and non-ferrous metals) that might interfere with drilling shallow holes. The EM-31 and magnetometer/gradiometer surveys were conducted between June 27 and June 30, 1994. The EM34-3 survey was conducted on July 18 and 19, 1994. Fourteen east-west lines using 10-foot station spacing were proposed and all measurements were intended

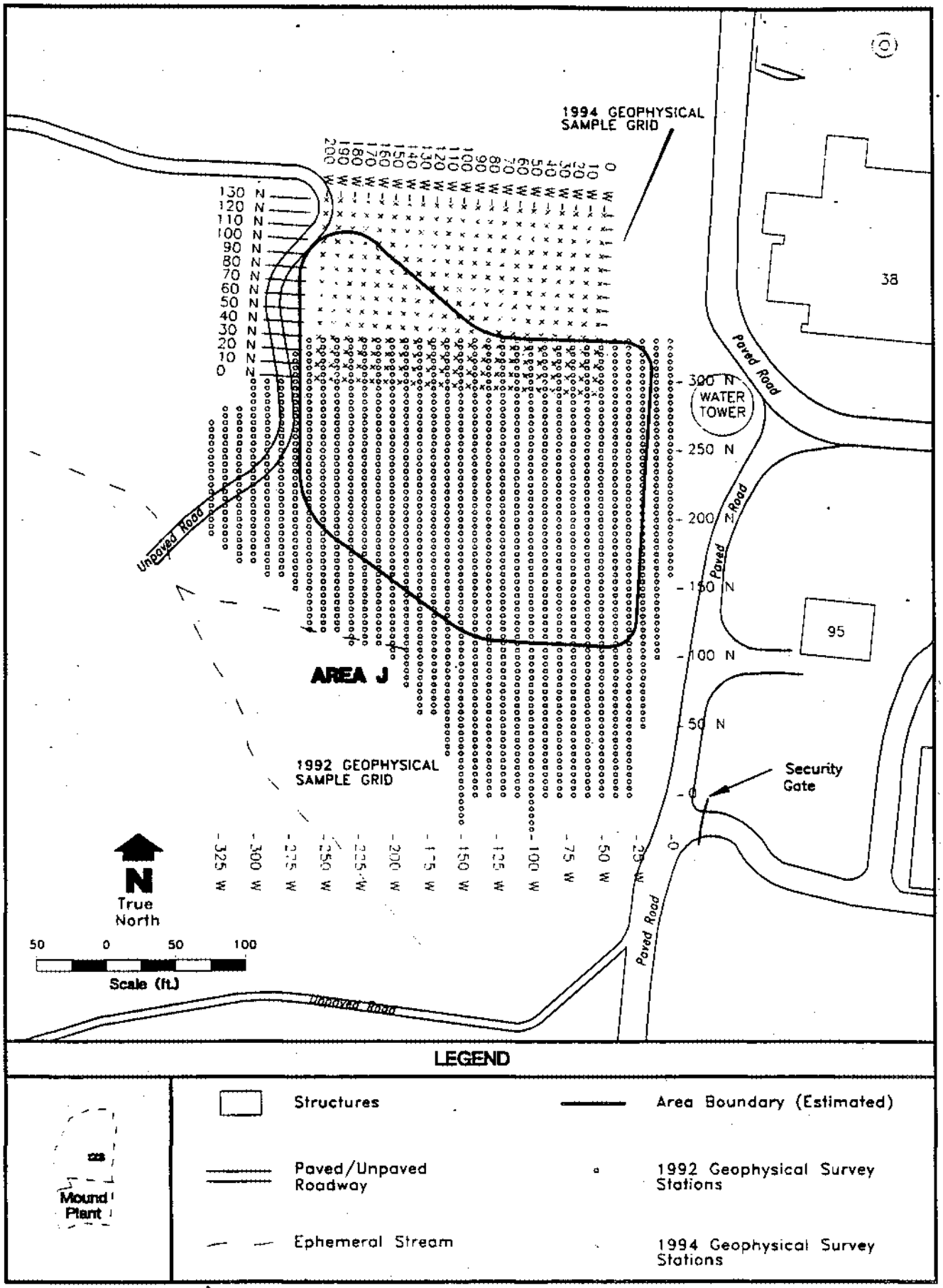

Figure 1. Geophysical Survey Grid Location Map

to occupy the same stations. All lines were occupied for the magnetometer/gradiometer investigation. For the EM-31 investigation, only ten of the east-west lines were occupied; four lines (lines 2, 9, 13, and 14) could not be surveyed because of the dense vegetation; however, a survey line halfway between lines 13 and 14 was run. The omission of lines 2 and 9 did not significantly impact the EM-31 survey. For the EM34-3, only the flat eastern area was surveyed (lines 0N to 110N, stations 0W to 80W); the dense vegetation and the steep slope made surveying impractical in the remaining areas because of the inability to keep the transmitter and receiver coils both collinear and coplanar.

1.1. SOURCES OF ERROR

An electric power line exists over a portion of the northwestern edge of the site but the power line is not grounded and did not affect the measurements. The two steel manhole covers and steel grate in the flat area produced magnetic and electromagnetic anomalies in that survey area. Magnetic storms that might interfere with the geomagnetic field (Magnetic A-Index >= 20) were reported by the Space Environmental Services Center in Boulder, Colorado as having occurred on June 27, 28, and 29, but they did not significantly affect the data. Other potential sources of error were not identified.

2. MAGNETOMETER/GRADIOMETER SURVEY

2.1. EQUIPMENT AND FIELD OPERATIONS

Two GEM GSM-19 proton precession magnetometers were used to measure local changes in the total magnetic field and the magnetic gradient at the site. One unit, operating as a base station, was located 150 feet south and 17 feet west of the station at the origin of the survey (line 0N, station 0W) in an area free of any known magnetic source. This base station unit measured the total magnetic field and was operated continuously throughout the survey for detecting spurious spikes caused by local electromagnetic sources and magnetic storms, and to measure the diurnal drift during the day.

The second magnetometer was mobile and was used to measure both the total magnetic field and the magnetic gradient at each of the grid stations. The configuration of the mobile unit had two proton precession sensors separated 58 centimeters (1.9 feet) apart on a 195 centimeter (6.4 feet) aluminum staff; the upper sensor was placed at the top of the staff. The lower sensor measured the total magnetic field and both sensors operated simultaneously to measure the magnetic gradient. The merit in measuring the magnetic gradient is that it is more sensitive and can more readily discriminate iron-bearing objects in the shallow subsurface compared to measurements of the total field magnetometer.

Both the base station and mobile unit were synchronized to the regional magnetic field, the time of day, and other aspects of the field operations for the purpose of automatically correcting for diurnal drift. All data were recorded using the built-in data loggers compatible with the instruments. Automatic logging of the data eliminated the need to manually record information on field data sheets. A field logbook was maintained, however, to record observations and procedures relative to the survey.

To ensure that the data logger for the mobile unit was recording properly, the logger's liquid crystal display (LCD) was checked at every station to determine if the location indicated by the logger matched the field line and station number and if the measurements of the total field and gradient were reasonable. The magnetometer at the base station was also checked periodically for proper operation. At the end of a day's survey, the data from both units were transferred to a Notebook 486 personal computer and all data were preserved on the hard disk. In addition, a back-up set of data was made on a floppy diskette.

2.2. DATA REDUCTION AND ANALYSIS

Reduction of all magnetometer/gradiometer data and subsequent computer analyses were performed in the office. Data reduction consisted of combining the measurements taken at the base and grid stations to produce a single set of data corrected for diurnal drift. This correction was accomplished automatically using the internal software of the synchronized mobile and base station units.

Visual inspections of the data were made to identify errors in the data, interference from magnetic storms, and other sources that might produce spurious anomalies. No such errors were identified. After performing the visual inspections, the data were collated and merged into files (Attachment A), organized into a grid, and plotted as maps using software developed by Geosoft, Incorporated. Interpretations were made from the maps.

2.3. INTERPRETATIONS

Approximately 20 major anomalies are apparent on the maps of the total magnetic field and magnetic gradient (Plates 1 and 2); these anomalies are listed in Table 1. Some of the anomalies can be directly related to objects observed at the surface, such as the steel grate overlying the concrete pit, the two manhole covers, iron-bearing drums and scrap metal. Table E.I. lists the locations of the anomalies by line and station number, the approximate depth of burial, and interpretation of the possible source. The precise locations of some sources that might be present can not be determined because of interference from adjacent anomalies. In general, the sources are likely to be within a radius of 10 feet of the locations shown in Table E.1. Comparison of the data along the western edges of the maps indicates four magnetic anomalies to be present only on the magnetic gradient map. Iron-bearing objects were not observed in the field at these locations. Their presence depicted only on the gradient map suggests shallow sources (<10 feet) and fairly small iron-bearing objects (smaller than 55-gallon drums). Two of the anomalies (line 65, station 185; line 90, station 190) are immediately east of the previously noted depressed area. The other two anomalies are north-northeast and south-southeast of the depressed area.

It is likely that other objects are buried in the area but are not evident as separate anomalies because either their sources are below the limits of detectability of the equipment (too small or too deeply buried), or they are near larger iron-bearing objects and the anomaly produced by the larger objects masks those of the smaller objects.

Table E.L Major Magnetometer/Gradiometer Anomalies

Survey Line (N)	Survey Station (W)	Suspected Object	Approximate Depth of Burial (ft)	Anomaly	
				Total Field	Gradient
10	55	ferrous object	30	✓	✓
10	70	ferrous object	15	✓	✓
10	130	steel drum at transmitter coil	surface	✓	✓
20	0	ferrous object	25	✓	✓
30	40	ferrous object	30	✓	✓
30	100	scrap iron	surface	✓	✓
30	180	ferrous object	10	-	✓
40	40	ferrous object	10	✓	✓
50	70	scrap iron	surface	✓	✓
60	120	scrap iron	surface	✓	✓
60	185	ferrous object	30	-	✓
70	100	steel pipe	surface	✓	✓
80	85	scrap iron	surface	✓	✓
90	110	scrap iron	surface	✓	✓
90	190	ferrous object	5	-	✓
105	170	ferrous object	10	-	✓
110	120	scrap metal	surface	✓	✓
110	170	ferrous object	10	-	✓
135+	190	scrap iron	surface	-	✓
90-130	0-10	influence of steel grate at concrete pit	surface	✓	✓

Notes: ✓ Anomaly observed
- Anomaly not apparent

3. ELECTROMAGNETIC (EM-31) SURVEY

3.1. EQUIPMENT AND FIELD OPERATIONS

A Geonics, Ltd. EM-31 electromagnetic unit was used to measure the apparent electrical conductivity of the shallow subsurface. The transmitter and receiver coils are fixed at a distance of approximately three meters apart in the boom. The instrument was used in both the horizontal and vertical dipole orientations; each orientation measured the Quadrature Phase (Out-Of-Phase) and the In-Phase components of the induced electromagnetic field. The In-Phase component is more sensitive to metallic objects than the Quadrature Phase, whereas the Quadrature Phase is more sensitive to terrain conductivity and external sources of electric current. A base station was established at the same location as the magnetometer base station for the purpose of determining if the instrument was experiencing drift during the survey. The field survey was conducted with the transmitter coil at the north end of the boom. Field measurements were taken at the same stations as the magnetometer/gradiometer survey in the flat area. On the steep slope, several stations were not occupied because of inaccessible terrain (line 10N, stations 90W to 200W; line 80N, stations 110W to 200W). Lines 130N and 140N could not be occupied because of inaccessible terrain. Instead, Line 135N was used.

The data measured at each station were recorded automatically using a Polycorder Digital Data Recorder, Geonics Model DI720/31, compatible with the EM-31 unit. The automatic logging of the data eliminated the need for manually entering the data on field data sheets. However, a field logbook was maintained to record all observations and procedures pertinent to the survey. To ensure that the data logger was recording properly, the logger's LCD was checked at every station to determine: (1) if the line and station numbers matched the field locations; (2) if the dipole orientations observed in the logger matched the orientations of the instrument in the field; and (3) if the measurements made in the two orientations and two components were reasonable. At the end of each day's survey, the data from the Polycorder were transferred to a Notebook 486 portable computer to preserve all data on the hard drive. Backup of the data was made on a floppy diskette.

3.2. DATA REDUCTION AND ANALYSIS

Data reduction and analyses were performed in the office. Data reduction consisted of transferring the data from the Polycorder to a 486 computer. Inspection of the base station data was made to determine

if the instrument experienced drift during the survey. Variations greater than 5 millisiemens/meter (the accuracy of the instrument) were not observed and corrections for instrument drift were not required. Data from the Polycorder were converted to a format compatible with the Geosoft, Inc. data processing package using the resident internal software in the EM-31 unit.

Visual inspection of the survey data was made for the purposes of identifying: (1) errors in the data, (2) interference from stray electric sources, (3) interference from magnetic storms, and (4) interference from other sources that might produce spurious anomalies. No such errors or interferences were observed. The data were collated and merged into appropriate files (Attachment B), organized into a grid that matched the field grid, and plotted as maps and profiles using software developed and licensed by Geosoft, Incorporated.

3.3. INTERPRETATIONS

Approximately 17 major anomalies are apparent on the maps of the EM-31 data (Phase 3, 4, 5, and 6); these anomalies are listed in Table E.II. Some of the anomalies can be directly related to objects or soil conditions observed in the field such as concrete, metallic objects, and saturated or wet soils. Table E.II lists the locations of the anomalies by line and station number, the approximate depth of burial, and an interpretation of the possible sources (suspected object). The precise locations of some sources that might be present can not be determined because of interference from adjacent anomailes. In general, the sources are likely to be within a radius of 10 feet of the locations shown in the table.

Comparison of the four maps shows (1) some anomalies to be present only in the horizontal dipole orientation but not in the vertical dipole orientation and (2) some anomalies to be present in the In-Phase component but not in the Quadrature component. This type of information is extremely useful for (1) estimating the depths to the target (horizontal dipole orientation detects objects at shallower depth than the vertical dipole orientation) and (2) determining the type of source (In-Phase is more sensitive to metallic objects whereas the Quadrature Phase is more sensitive to terrain conductivity). Although the In-Phase component is sensitive to metal, it does not discriminate ferrous from non-ferrous sources. However, by comparing the anomalies from the In-Phase component with the magnetometer/gradiometer anomalies, a distinction can be made between ferrous and non-ferrous sources. The presence of an anomaly from the In-Phase component that is not represented by a corresponding magnetic anomaly indicates the source to be non-ferrous.

Table E.II. Major Electromagnetic EM-31 Anomalies

Survey Line (N)	Survey Station (W)	Suspected Object	Approximate Depth of Burial (ft)	Anomaly			
				Horizontal		Vertical	
				Quad	IP	Quad	IP
0	90	non-ferrous metal	15	✓	✓	✓	✓
0	110	non-ferrous metal	20	✓	✓	✓	✓
10	90	non-ferrous metal	30	-	-	-	✓
10	140	steel drum	surface	-	✓	-	✓
20	50	non-ferrous metal	15	-	✓	-	✓
30	40	ferrous metal	30	-	-	✓	✓
30	90	ferrous metal	30 and surface	-	-	✓	✓
40	40	ferrous metal	10	✓	✓	✓	✓
40	120	non-ferrous metal	20	✓	✓	-	✓
60	180	ferrous metal	30	-	-	-	✓
70	100	metal pipe	surface	-	✓	-	-
80	110	ferrous metal	30	✓	✓	✓	✓
80	130	non-ferrous metal	10	✓	✓	-	-
90	120	scrap iron	surface	-	✓	-	-
135	130	non-ferrous metal	30	✓	✓	✓	✓
80-135	0-20	influence of steel grate at concrete pit	surface	✓	✓	✓	✓
40-110	180-200	moist soil (depressed area)	0-10	✓	-	✓	-

Note: Quad Quadrature component
IP In-phase component
✓ Anomaly observed
- Anomaly not apparent

4. ELECTROMAGNETIC (EM34-3) SURVEY

4.1. EQUIPMENT AND FIELD OPERATIONS

A Geonics. Ltd. EM34-3 electromagnetic unit was used to measure the apparent conductivity at depths greater than that of the EM-31. Unlike the fixed distance between the transmitter and receiver coils in the EM-31, the intercoil spacing of the EM34-3 can be adjusted to 10, 20, or 40 meters. For this survey, the intercoil spacing used was 10 meters. The EM34-3 instrument using the 10-meter intercoil spacing has maximum depths of induced electromagnetic penetration of approximately 20 and 40 feet (7 to 12 meters) in the horizontal and vertical dipole orientations, respectively. The instrument is generally not sensitive to isolated shallow (<5 feet) objects. The survey was conducted only in the eastern flat area because the steep slope would not have allowed the coils to be coplanar and collinear and would have resulted in non-usable data.

The EM34-3 was used in both the horizontal and vertical dipole orientations to measure the Quadrature Phase of the induced electromagnetic field; the EM34-3 system does not measure the In-Phase component. A base station was established at the same location used for the magnetometer/gradiometer and EM-31 surveys. The survey was conducted with the transmitter coil located at the north end of the cable.

The data measured at each station were automatically recorded using a Polycorder Digital Data Recorder, Geonics Model DL 720/34, compatible with the EM34-3 unit. The automatic data logger eliminated the need to manually enter the data on field data sheets. A field logbook was used to record observations and procedures relative to conducting the survey. To ensure that the data logger was recording properly, the logger's LCD was viewed at every station to determine if the line and station numbers shown on the logger matched the field line and station number and if reasonable values were measured in the Quadrature Phase in both the horizontal and vertical dipole orientations. At the end of the day's survey, the data from the Polycorder were transferred to a Notebook 486 portable computer to preserve the data on the hard disk. Backup of the data was also made on a floppy diskette.

4.2. DATA REDUCTION AND ANALYSIS

Data reduction and analyses were performed in the office. The process involved transferring the data to a 486 computer. Visual inspection was made of the data taken at the base station to determine if drift of

the instrument had occurred. Because drift was not observed, corrections were not required. Data from the Polycorder were converted to a format compatible with the Geosoft, Incorporated data processing software package using the resident internal software of the unit.

Visual inspection of the data were made for the purpose of identifying: (1) errors in the data, (2) interference from magnetic storms, and (3) other sources that might produce spurious anomalies. After performing the visual inspections and data reduction, the data were collated and merged into appropriate files (Attachment C), organized into a grid that matched the field grid, and plotted as data maps (Plates 7 and 8) using software developed and licensed by Geosoft, Incorporated.

4.3. INTERPRETATIONS

Several anomalies are apparent on the maps (Plates 7 and 8) are listed in Table 3. The anomalies in the northeast corner can be directly related to the steel grate overlying the concrete and the manhole covers. Table E.III lists the locations of the anomailies by line and station number, the approximate depth of burial, and an interpretation of the possible source (suspected object). The precise locations of some buried sources can not be determined because of interference from adjacent anomalies. In general, the sources are likely to be within a radius of 10 feet of the locations shown in the table.

Four anomalies are shown on Plate 7, horizontal dipole orientation, and are listed in Table E.III. The anomaly in the northeast corner is caused by interference from the steel grate overlying the concrete pit. The other anomalies are caused by objects buried 20+ feet. Comparison of the locations of these anomalies with the data from the magnetometer/gradiometer and EM-31 surveys indicates ferrous sources buried 15 to 20 feet below the surface. Three anomalies are shown on Plate 8, vertical dipole orientation, and listed in Table E.III. The anomaly in the northeast corner is caused by the steel grate. The other anomalies are caused by ferrous objects buried 25 to 30 feet below the surface.

The presence of these relatively large areal anomalies at the interpreted depths suggest that other sources are buried in the area, but are not evident as separate anomalies because: (1) the individual sources are concentrated in the area; (2) some individual sources are probably present but are below the limits of detection of the equipment (too small or too deeply buried); and (3) they are near larger anomalies that mask the anomalies caused by the smaller sources.

Table E.III. Major Electromagnetic EM34-3 Anomalies

Survey Line (N)	Survey Station (W)	Suspected Object	Approximate Depth of Burial (ft)	Anomaly	
				Horizontal Quadrature	Vertical Quadrature
0	55	ferrous object	25-30	-	✓
10-20	5-10	ferrous object	15-20	✓	-
30	0	ferrous object	25-30	-	✓
40-50	30	ferrous object	20	✓	-
0-40	0-50	many objects of high conductivity	25-30	-	✓
70-110	0-10	influence of steel grate at concrete pit	surface	✓	✓

Note: ✓ Anomaly observed
- Anomaly not apparent

5. CONCLUSIONS AND RECOMMENDATIONS

The geophysical data and field observations indicate that the area contains a wide range of construction debris including concrete blocks with reinforcing steel bars, limestone blocks, steel pipes and valves, ferrous and non-ferrous metal, asphalt, plastic, rubber, at least one 55-gallon drum, and other man-made materials. The surface of the steep slope is covered with such debris, and similar debris is probably buried. The flat area has debris buried beneath the surface.

The northern one-third of the flat area appears to have relatively few anomalies; one of those is associated with the steel grate overlying the concrete pit and the manhole covers. From field observations, the flat surface of this northern one-third of the survey area appears (1) to extend beyond the extrapolated topgraphic break between the flat area and the slope that exists farther to the south, (2) to be composed of crushed rocks, and (3) to be relatively devoid of vegetation. These three field observations suggest that the northern one-third may have been constructed after the other parts of the flat area. The relatively few geophysical anomalies in this area suggest that (1) major sources do not appear to be buried in this area, or (2) the crushed rock and soil cover may be sufficiently thick to mask sources that might otherwise cause geophysical anomalies to be detected.

If drilling or sampling is planned in this area, care should be taken to avoid penetrating the buried objects identified in this survey. A diameter of 10 feet around the interpreted location is generally adequate to avoid the objects. However, because the presence of larger anomalies will likely mask smaller sources, other objects may exist within the area of the anomalies which were not identified in this survey.

6. REFERENCES

DOE 1993. "Environmental Restoration Program, Reconnaissance Sampling Report, Soil Gas Survey and Geophysical Investigations", Mound Plant, Main Hill SM/PP Hill, Report, Appendix A, Mound Plant, Miamisburg, Ohio. February, 1993.