

APPENDIX N

ORDNANCE AND EXPLOSIVES AVOIDANCE SURVEY REPORT

Final Report

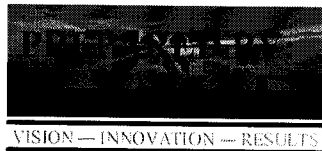
Phase II

Remedial Investigation of Load Line 1

**Ravenna Army Ammunition Plant,
Ravenna, Ohio**

PREPARED FOR:

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22 NOVEMBER 2000

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I. INTRODUCTION

This Final Report (FR) describes the procedures, methods, and resources that VISTA Technologies, Inc. (VISTA) utilized while performing unexploded ordnance (UXO) avoidance support for Science Applications International Corporation (SAIC) during the Phase II remedial investigation at the Ravenna Army Ammunition Plant (RVAAP), Load Line 1 (LL-1).

A. Purpose

The purpose of this FR is to document the management, field activities, and safety procedures used by VISTA to perform UXO avoidance operations associated with the RVAAP Phase II remedial investigation of LL-1.

B. Scope of Work

All site operations/work were executed in accordance with the Scope of Work (SOW). Work consisted of providing UXO support services necessary to ensure the health and safety of on-site workers relative to potential UXO during the performance of surface and subsurface soil investigations to characterize the extent of chemical residues associated with LL 1. Vista was responsible for providing one UXO certified technician and magnetometer surveying equipment to perform UXO avoidance, as needed, of proposed soil sampling locations and work areas for the sole purpose of circumventing any surface or subsurface anomaly that could contain potential UXO. UXO characterization and removal was not included in this SOW.

C. Installation/Site Description

The RVAAP is located in northeastern Ohio in Portage and Trumbull Counties. The installation headquarters lies approximately 35 miles southeast of Cleveland, 9 miles east of the Town of Ravenna and 15 miles west of the Town of Warren. State Route 5 bounds the area to the south, State Route 534 to the east, and the Erie-Lackawanna Railroad right-of-way to the north. Exit #209 of the Ohio Turnpike is located on State Route 5, 2.5 miles east of the eastern boundary of the Plant; LL-1 is located in eastern part of RVAAP. It was used to melt, load, and assemble large caliber shells with TNT and Composition B. LL-1 was active from the early 1940's through the early 1980's and was a principle load line facility at RVAAP. Demilitarization of 90mm shells also occurred on the north end of the load line during later years. No known UXO exists at LL-1; however, waste propellant pellets are commonly found at LL-1 with the greatest concentrations associated with the demilitarization facility.

II. OPERATIONS AS CONDUCTED

A. Project Objectives

The objective of the project was to provide UXO avoidance in the performance of remedial investigation tasks at LL-1 and surrounding areas. The investigation included conducting soil boring (using hand augers) and sediment sampling, surface water sampling and vegetation removal.

B. Personnel

VISTA provided one UXO qualified technician in accordance with the scope of work.

C. Required Equipment

The equipment requirement for this project was determined to be level D Personal Protective Equipment (PPE) and Model 52 Schonstedt Magnetometer.

D. Site Specific Training

As part of the mobilization process, the VISTA UXO Technician assigned to this project received site-specific training to ensure that all site specific safety and health requirements applicable to RVAAP and specifically LL-1, were fully understood. In addition, the Vista UXO technician received training on his individual responsibilities and all environmental practices/procedures associated with operations. Training topics/issues and training responsibilities were as follows:

- UXO Technician received detailed training on the work plan and associated sub-plans. The Site Health and Safety Officer (HSO) and the Site Field Manager conducted this training.
- UXO Technician received operational briefings and training on his individual responsibilities/activities.
- UXO Technician received detailed training on the Site-Specific Safety and Health Plan (SSHP) and Site Specific Environmental Protection Plan (EEP). This training was presented by the HSO under the direct supervision of the Field Team Manager.
- UXO Technician was in compliance with the 40-hour HAZWOPER and 8-hour refresher training, as required, before the start of the project.

E. General Site Practices

All field-sampling activities were performed under escort of the Vista UXO Technician.

F. Work Hours

The work schedule consisted of two (2) work cycles of ten (10) consecutive working days followed by a four (4) day stand-down period each. Each workday consisted of ten (10) hours. Each workday was scheduled from 0700 to 1800 with a 1-hour lunch break.

G. Site Access

SAIC controlled access into all operating areas and limited access to only those personnel necessary to accomplish the specific operations or who had a specific purpose and authorization to gain access to the site. Hazardous operations were not conducted during this project.

H. Safety Briefing

SAIC HSO conducted a daily safety briefing for all personnel involved with this project. The briefing covered general hazards for the project and any new safety issues or hazards that were identified since the last briefing.

I. Work Clothing and Field Sanitation

Work clothing was appropriate for the conditions encountered. In most cases work activities were conducted in Level D Personal Protective Equipment (PPE). Level D PPE included the following:

- Footwear; sturdy work boots (steel toe when there was a foot hazard)
- Hand protection consisting of leather or canvas work gloves when appropriate. Rubber inner or outer gloves were required where increased protection was needed, particularly during sampling activities.
- Safety glasses, hearing protection, and hard hats were available and worn when engaged in activities where their use was prudent or required.
- In no case were tennis/running shoes or abbreviated attire such as tank tops or shorts permitted.

Each sampling team was outfitted with field decontamination equipment that consisted of portable eyewash kits, containers of wash water, paper towels and soap. Prior to commencing sampling operations each day, field decontamination equipment was in place and ready for use in the vicinity of the team's work area as needed. Portable field toilets were in place at appropriate locations within the work area.

III. SUMMARY OF UXO AVOIDANCE ACTIVITIES

A. Preparation of Work Areas

Prior to initiating work on a new sampling location, the UXO Technician inspected the area both visually and if necessary, with a magnetometer.

B. UXO Reconnaissance Operations

OE visual surface reconnaissance operations consisted of visually inspecting each sampling location and surrounding area. If intrusive operations were conducted, the area was checked with a magnetometer prior to digging

C. Summary of UXO Findings

During this project live or inert explosive ordnance items were not encountered. Several suspicious items were examined but were determined to be non-OE scrap. See Table 1 for a compilation of contacts encountered each day and disposition.

D. Reports

In an effort to compile documentation for the final report and to maintain an ongoing record of the daily events, a logbook was maintained throughout the project.

E. Draft Final Report

VISTA prepared a Draft Report within thirty-days after all fieldwork was completed. No comments were made on the technical aspects contained in the draft report that was submitted to SAIC on 25 October 2000. Any typo/grammatical errors have been corrected in this final report. Besides a summary of activities, this report includes the logbook kept by the on-site UXO Technician.

Table 1 - A Compilation of Contacts Encountered Each Day and Their Disposition

DATE	CONTACTS	LIVE ITEM	DISPOSITION
09-11-00	0	NO	None Required
09-12-00	0	NO	None Required
09-13-00	1	NO	None Required
09-14-00	0	NO	None Required
09-15-00	0	NO	None Required
09-16-00	1	NO	None Required
09-17-00	1	NO	None Required
09-18-00	0	NO	None Required
09-19-00	1	NO	None Required
09-20-00	0	NO	None Required
09-25-00	1	NO	None Required
09-26-00	0	NO	None Required
09-27-00	0	NO	None Required
09-28-00	0	NO	None Required
09-29-00	0	NO	None Required
09-30-00	0	NO	None Required
10-01-00	1	NO	None Required
10-02-00	1	NO	None Required
10-03-00	1	NO	None Required
10-04-00	0	NO	None Required

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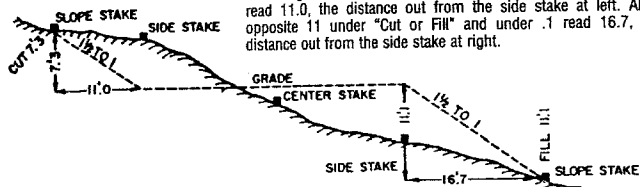
W. J. ...
...
...

N-13

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	Distance out from Side or Shoulder Stake										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

VISTA Technologies, Inc.

UXO SUPPORT TO
SAIC DURING RVAAP
PHASE II REMEDIATION
INVESTIGATION OF
LOAD LINE 1

11 Sep - 4 Oct 00

Mon. 9-11-00

0630 - Goehring (VISTA UXD TECH)
ON SITE

1000 - KICK-OFF Meeting AT
SAIC OFFICE RVAAP

Team was briefed on:

- Project Description
- Objectives & Work elements
- Schedule
- TEAM
- Fixing Problems
- Charge numbers
- RVAAP rules
- Pre-Entry Health & Safety
Briefing

1200 - Lunch

1300 - Site Visit

1500 - Return to BLDG. 1036

- Equipment checkout
- UXD Safety briefing
given by me.

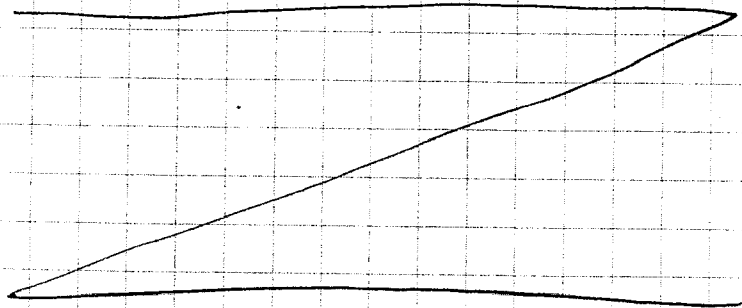
1700 - Secured

LAST Entry

TUE 9-12-00

- 0700 - ARRIVED AT Vista field office
- 0730 - Morning Safety Briefing at BLDG. 1036. Briefed by SAIC Health & Safety Officer (HSO).
- 0800 - Operational check of Schonstedt Magnetometer
- 0830 - DEPART BLDG 1036 FOR LOAD line 1 (LL1).
- 0900 - Start Sampling operations teams 1 & 2. (Prep only)
- 0910 - Performed UXO Surveillance AT TEAM 1 LOCATION
- 0930 - Performed UXO Surveillance AT TEAM 2 LOCATION
- 1030 - Returned to TEAM 1 Location
- 1115 - Performed AREA Reconnaissance For Suspect UXO AND Propellants / RAW explosives
- 1300 - Returned to TEAM 2 to observe their Sampling Location
- 1330 - Returned to TEAM 1 AREA

- 1345 - LUNCH BREAK AT
BLDG. 1036 (SAIC OFFICE)
- 1415 - Returned to Load Line 1
- 1430 - Investigated 3 AREAS
Near team 2 Location
(With Schonstedt) for
buried UXO. Team 1 is
taking sub-surface samples
(Soil) using hand Auger.
Samples were taken at a
depth of 12"-14".
- 1600 - Returned to Team 2
Location to observe their
Sampling operation.
- 1635 - Returned to Team 1 Location
- 1715 - Returned to BLDG 1036
- 1730 - Secured
LAST ENTRY



WED 9-13-00

- 0700 - Arrived at Vista field office
0730 - Morning Safety Briefing
given by SAIC HSO
0745 - Load out vehicles, check
Schonstedt.
0800 - Depart BLDG 1036 For
Load Line 1.
0815 - Arrive at Load Line 1
0825 - Conducted Surface Sweep of
AREA where Team 1 would
be sampling.
0900 - Departed To Team 2
Location to conduct area
Search for possible UXOs
prior to Sampling activities
0930 - Returned to TEAM 1
Location.
1130 - Both teams RAN out of
DeIONIZED Water so we
took an early Lunch.
1200 - I returned to Load Line 1
and conducted area recon
while I awaited both
teams to return.
1300 - Both teams returned to LL-1

1430 - I went to team 2 location to observe sampling activities.

1530 - Received a call from Team 1 to look at a possible UXO item. (BLDG 4)

1545 - Arrived at Team 1 location to look at possible UXO. Item was investigated and found to be a large pressure guage made of stainless steel approximately 10" inches in DIAMETER 2" thick.

1630 - Departed Load Line 1 for BLDG. 1036. Both teams needed to decon their equipment.

1645 - Arrived BLDG 1036. Assisted teams in down-loading their equipment

1700 - SECURED

LAST Entry

THUR 9-14-00

- 0700 - Arrived at Vista field office and met with Prakash RAOA (Vista Project Manager)
- 0730 - Morning Safety briefing given by SAIC HSO at BLDG. 1036.
- 0745 - Operational check of Schonstedt Magnetometer.
- 0800 - Departed BLDG. 1036 for LL-2.
- 0815 - Arrived at LL-1
- 0830 - Swept 2 sampling AREAS FOR TEAM 1
- 0900 - Concrete Driller (TOLTEST) ARRIVED TO DRILL PRE-identified drilling LOCATIONS so soil samples could be taken under concrete FLOOR. I stood by AND Assisted the driller.
- 1130 - Lunch BREAK AT BLDG 1036.
- 1200 - Returned to LL-1
- 1215 - Met with Concrete Driller to observe the drilling op.

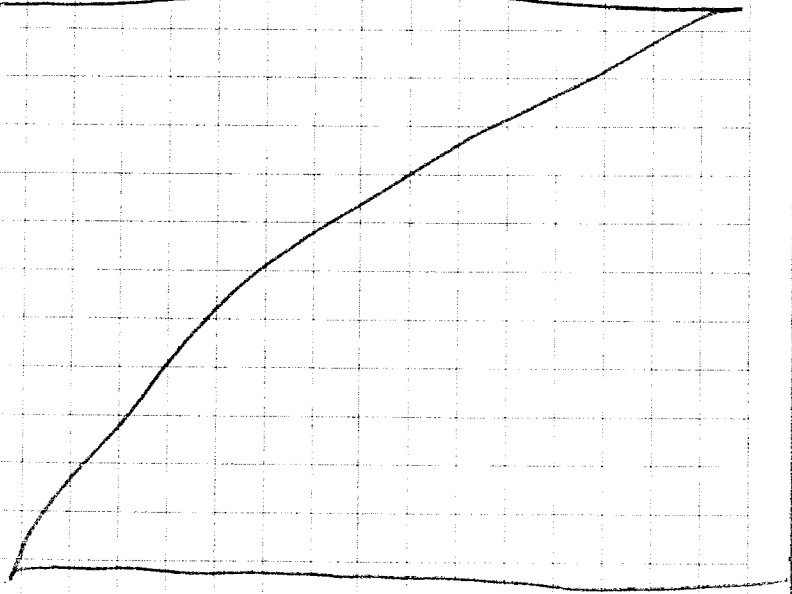
1400 - Relocated Drilling equipment
to BLDG. 4 in EL-1

1430 - PROVIDED UXO Support
during drilling of floor
SLABS

1730 - Core Drilling operations
stopped Due to Lightning
In Area

1740 - Departed LL-1 For
VISTA Field OFFICE

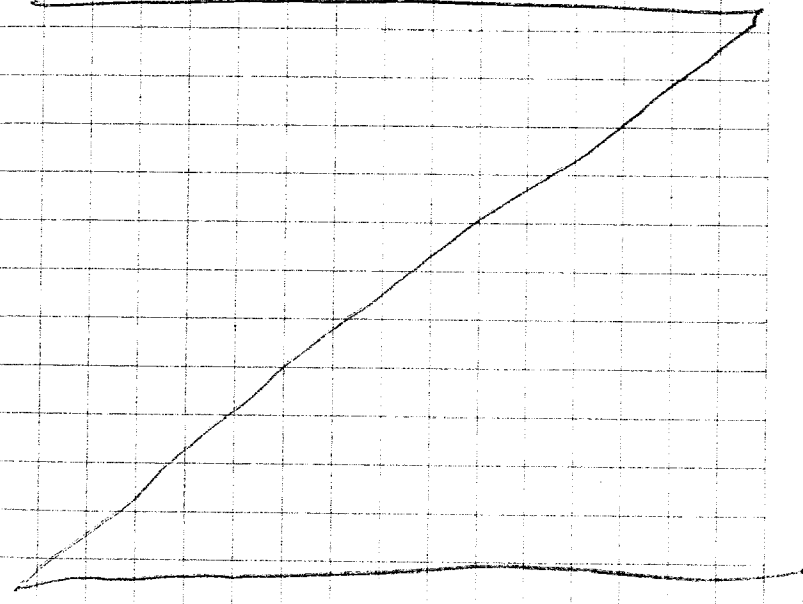
1800 - SECURED
LAST ENTRY



FRI 9-15-00

- 0700 - ARRIVED AT VISTA
Field OFFICE
- 0730 - Daily Safety Briefing
By SAIC HSO
- 0800 - Departed BLDG 1036 For
LL-1
- 0830 - Ceased ALL Field
Activities Due to SEVERE
Lightning; THUNDERSTORMS
- 1015 - Commenced Sampling and
Drilling operations.
- 1130 - Lunch
- 1200 - Started Sampling and
drilling operations.
- 1205 - while lifting out a piece
of cut concrete the
driller (JAY) severely
cut his finger. He sustained
a 1" inch cut to the middle
finger of his left hand.
It appeared to me that
he required stitches. The
victim declined to go to
the hospital. He wrapped
it with gauze and

Continued work King.
1430 - Drilling operation was
Completed.
1445 - Returned to Team 1
Location to provide
UXO SUPPORT
1710 - Cease operations for
the day
1715 - Departed LC-1 FOR
BLDG 1036
1730 - SECURED
LAST ENTRY



SAT 9-16-00

0700 - ARRIVED Vista Field OFFICE

0800 - DAILY SAFETY BRIEF given
by SAIC SHO.

0815 - Checked out Magnetometer

0830 - Departed BLDG 1036 FOR
LL-1.

0845 - PROVIDED UXO AVOIDANCE
Support to 2 Sampling
teams. I'm alternating
between both teams to
observe their sampling
AREAS.

1115 - Responded to team 1 LOCATION
FOR possible UXO identification.
Item resembled a 20mm
Round but upon further
inspection the item turned
out to be a piece of Rusty
Re-BAR.

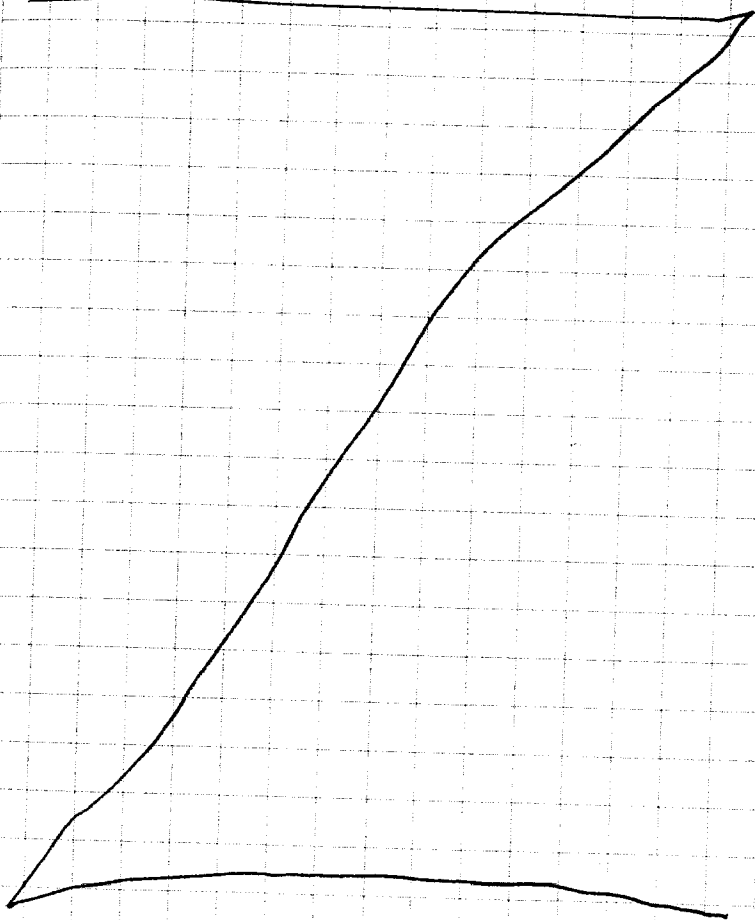
1130 - Lunch

1200 - Started UXO AVOIDANCE
Support FOR SAIC Sampling
operations.

1700 - Stop Field operations FOR
TODAY.

1715 - Depart LL-1 For
BLDG 1036

1730 - ARRIVE BLDG 1036
SECURED
NOTHING FOLLOW



SUN 9-17-00

0700 - ARRIVED AT VISTA
Field Office

0730 - Checked out Magnetometer

0800 - Daily Safety Briefing
given by SAIC SHO

0830 - Departed BLDG 1036
FOR LL-1

0845 - ARRIVED LL-1

0900 - START UXA Support
for SAIC Sampling teams.

1000 - Possible UXA Item
found by Team 1.

Item was an expended
flash simulator

1200 - Lunch

1230 - STARTED UXA Support
for SAIC Sampling teams.

1600 - Team Stopped ops for the
day.

1605 - I went to Team 2 Location

1715 - Departed LL-1 FOR BLDG
1036.

1730 - SECURED

NOTHING FOLLOWS

MON. 9-18-00

0640- ARRIVED AT VISTA
Field OFFICE

0730- Daily Safety Briefing
given by SAIC HSO

0750- Checked out Magnetometer

0805- Departed BLDG 1036
FOR LL-1

0820- ARRIVED AT LL-1

0830- STARTED UXO AVOIDANCE
Support to SAIC

1230- LUNCH

1300- Started UXO support to
SAIC sampling operations.

1430- CALLED to investigate
the location of 3 Manhole
COVERS. USED Magnetometer
to locate 3 COVERS.

1600- Assisted SAIC in removing
3 manhole covers to
gain access for sampling

1700- Stopped operations for
the DAY.

1715- Departed LL-1 FOR BLDG 1036

1730- ARRIVED BLDG 1036

———— SECURED ————

TUE 9-19-00

0700 - ARRIVED AT Vista field office.

0730 - DAILY Safety Briefing
given By SAIC HSO

0750 - Check out Magnetometer

0800 - Depart BLDG 1036 FOR LL-1

0815 - ARRIVED AT LL-1

0830 - Investigated possible
UXO AT BLDG CB-13A.
Item was identified as
an electrical connection
Box.

0930 - Returned to Team 1 Location
at BLDG 4A

1130 - Lunch

1200 - Resumed UXO support
to SAIC sampling teams

1400 - Returned to BLDG 1036
to assist in picking up
sampling supplies.

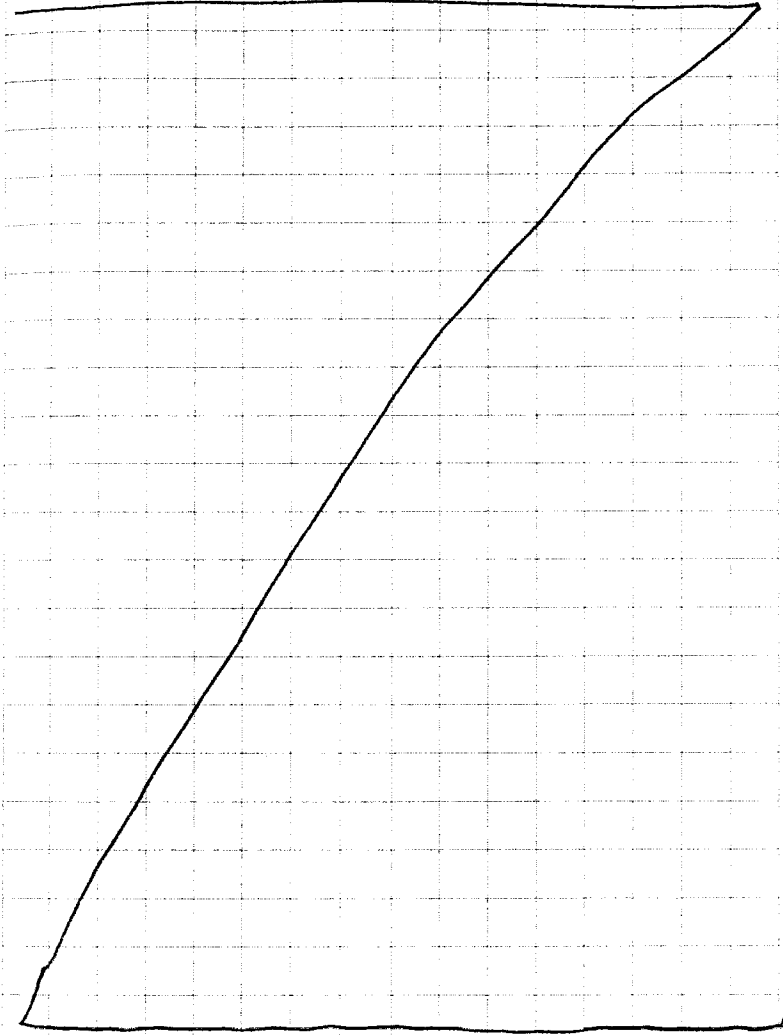
1415 - ARRIVED BLDG 1036

1530 - Departed BLDG 1036 FOR
LL-1

1545 - ARRIVED AT LL-1

1645 - Departed LL-1 FOR
BLDG 1036

1700 - Arrived at BLDG 1036
1715 - Secured
NOTHING FOLLOW



N-29

WED 9-20-00

- 0700 - ARRIVED AT Vista Field office
- 0730 - DAILY SAFETY BRIEFING given by SAIC HSO
- 0750 - Checked out Magnetometer
- 0800 - Departed BLDG 1036 FOR LL-1
- 0815 - ARRIVED AT LL-1
- 0830 - Start UXO AVOIDANCE support to 2 SAIC Sampling teams.
- 0900 - Standing by while team 1 conducted soil sampling in wooded area East of BLDG CB-801 AT LL-1.
- 1100 - Sampling operations SECURED FOR TODAY.
- 1115 - Depart LL-1 FOR BLDG 1036
- 1130 - ARRIVE BLDG 1036
- 1200 - Lunch
- 1230 - SECURED
- Nothing Follows.
-
-

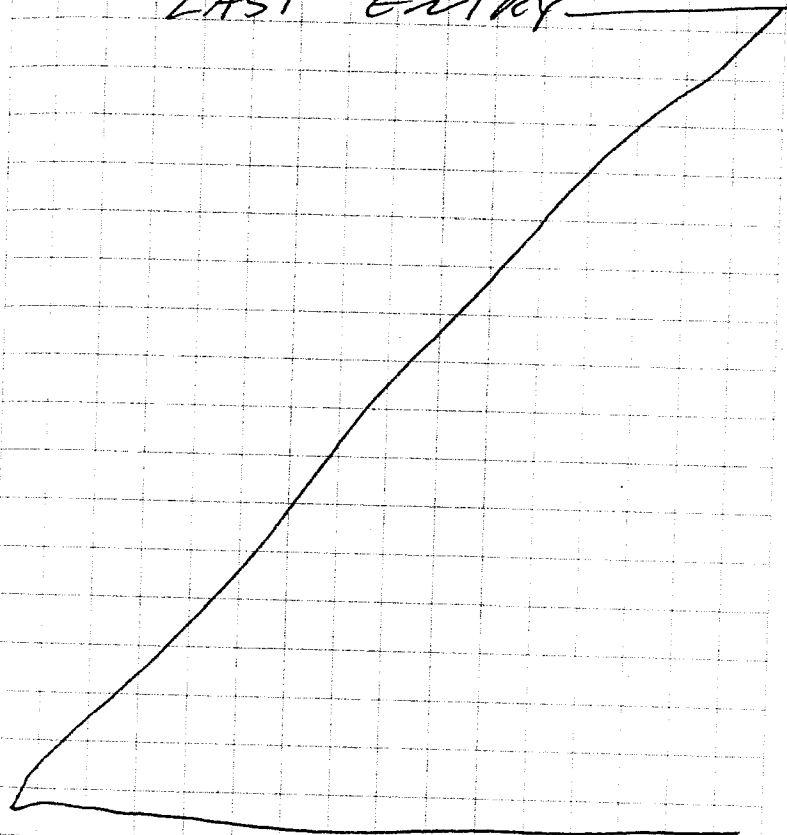
MON 9-25-00

- 0700- ARRIVED AT Vista
Field office
- 0730- Daily safety briefing
given By SAIC HSO
- 0750- checked out Schonstedt
Magnetometer. We
are starting our 2nd
work cycle of 10 Days.
Sampling operations are
Starting at Load Line
12. EOTI Personnel
(UXO Types) arrived on
site to support LL-12
operations. Two UXO
Techs from EOTI
will investigate any
possible UXO contacts
at LL-12.
- 0830- Departed BLDG 1036
For LL-1.
- 0845- ARRIVED AT LL-1
- 0900- I investigated a
possible UXO At the
South End of LL-1.
The Location of the

item was 15 YARDS
south of the South
Service Road near
the intersection of
LL-1 ROAD AND South
Service Road.

- 0930 - Item was positively
identified as a rubber
pad off of a tracked
vehicle. Appx. 8" x 8"
and 1" thick. BLACK
in color.
- 1000 - Resumed UXO Support
(AVOIDANCE only) at
LL-1 For SAIC Sampling
operations.
- 1130 - Lunch
- 1200 - STANDING BY For samp-
ling teams to Return
to LL-1.
- 1330 - Both TEAMS Returned
to LL-1. Delay was
attributed to restocking
Sampling Supplies and
errands in RAVENNA.

1345 - Resumed UXO AVOIDANCE
Support to SAIC
Field Sampling teams.
1700 - Stopped Field operations
1715 - Departed LL-1 FOR
BLDG 1036
1730 - SECURED
LAST ENTRY



TUE 9-26-00

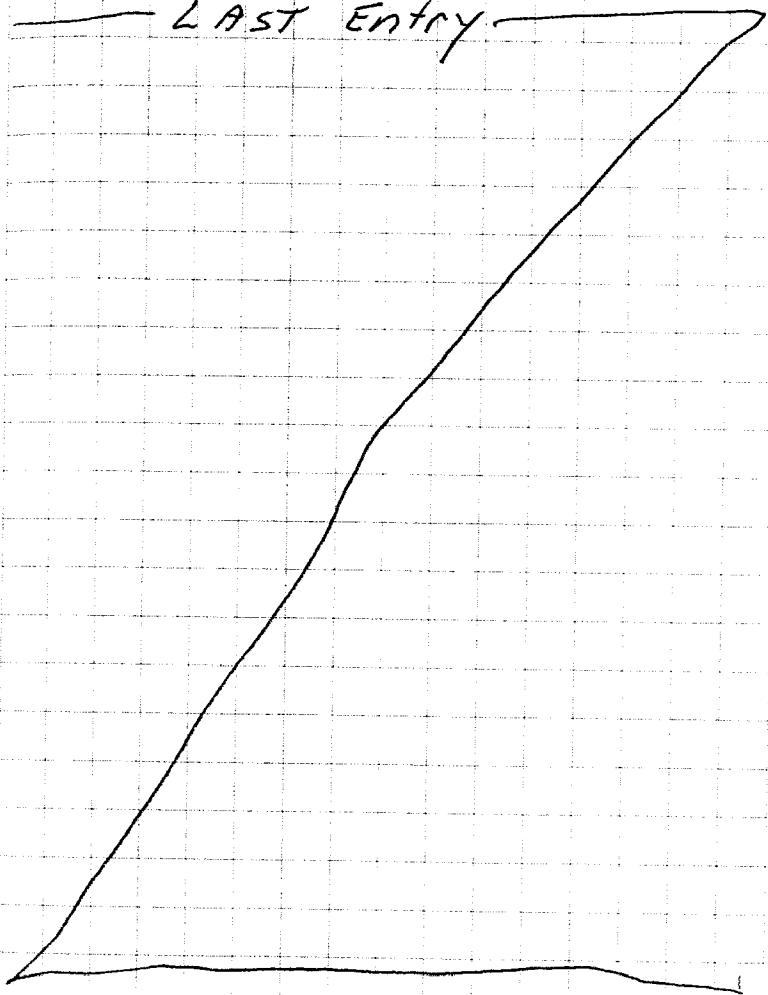
- 0700 - ARRIVED AT VISTA Field office
- 0730 - DAILY SAFETY BRIEFING given BY SAIC HSO
- 0750 - checked out Schonstedt Magnetometer
- 0800 - Departed BLDG 1036 FOR LL-1
- 0815 - ARRIVED LL-1
- 0830 - START UXO AVOIDANCE support to SAIC Field Sampling teams
- 1130 - Lunch
- 1200 - RESUMED UXO AVOIDANCE support to SAIC Field Sampling TEAMS
- 1400 - Team 1 departed LL-1 For BLDG 1036 to Replenish supplies.
- 1405 - Departed team 1 Location to join up with TEAM 2
- 1415 - ARRIVED TEAM 2 Location

1700 - Stopped Sampling ops
for today

1715 - Depart LIL-1 For BLDG 1036

1730 - SECURED

— LAST Entry —



WED 9-27-00

0700 - ARRIVED AT VISTA Field office.

0730 - Daily Safety Briefing given by SAIC HSO

0750 - checked Magnetometer.

0800 - Departed BLDG 1036 For LL-1

0815 - ARRIVED LL-1

0830 - WALKED TO Team 1 Location at Griggy's Pond. Not having a vehicle is proving to be extremely difficult! The teams are moving farther away from each other making it increasingly difficult to move between both teams.

1030 - Returned to Team 2 Location at LL-1 (CB-10) BLDG.

1130 - LUNCH

1200 - Resumed UXO AVOIDANCE SUPPORT to SAIC

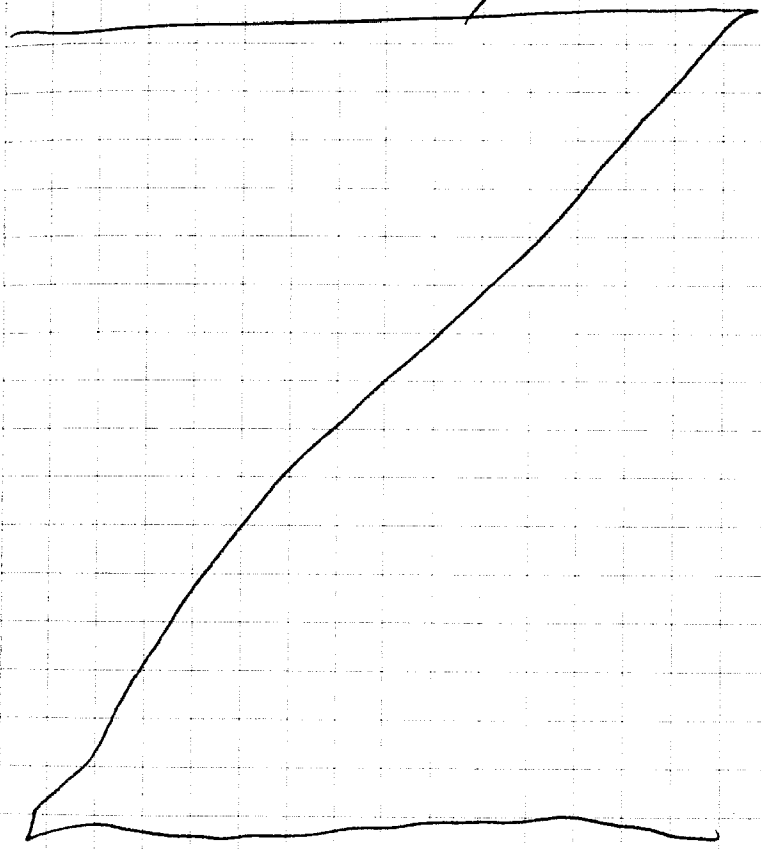
1700 - Stopped ops For
The Day

1715 - Departed LL-1 For
BLDG 1036

1730 - Arrived BLDG 1036

1745 - SECURED

LAST Entry



THUR 9-28-00

- 0700 - ARRIVED AT VISTA
Field OFFICE
- 0730 - DAILY Safety Briefing
given By SAIC HSO.
- 0750 - checked MAGNATOMETER
- 0815 - DEPART BLDG 1036 FOR
LL-1
- 0830 - ARRIVED AT LL-1
- 0845 - I'm DOING AUGERING
FOR SAIC.
- 1130 - Lunch
- 1200 - Resumed UXO AVOIDANCE
Support FOR SAIC
- 1230 - Resumed HAND AUGER
duties FOR SAMPLING
Team 2
- 1700 - completed 20 sampling
Locations
Stopped UXO AVOIDANCE
Support
- 1715 - Departed LL-1 FOR
BLDG 1036
- 1730 - ARRIVED BLDG 1036
SECURED
- LAST ENTRY —

FRI 9-29-00

- 0700 - ARRIVED Vista Field OFFICE
0730 - Daily Safety Brief Conducted
By SAIC HSO
0750 - Checked out Magnetometer
0805 - DEPARTED BLDG 1036
For LL-1
0820 - ARRIVED LL-1
0830 - START Sampling Activities
I'm boring holes with
HAND Auger.
1130 - Lunch
1200 - Resume Assisting Sampling
teams by Augering
Sampling holes
1700 - Stopped Sampling activities
For the Day
1715 - Depart LL-1 For BLDG
1036
1730 - Arrived at BLDG 1036
1740 - SECURED
→ LAST Entry

SAT 9-30-00

0700 - ARRIVED Vista Field
office

0800 - Daily Safety Briefing
given by SAIC HSO.

0845 - Departed BLDG 1036
FOR LL-1.

0900 - ARRIVED LL-1

0915 - Assisted field sampling
teams by Augering
bore holes to obtain
soil samples.

1200 - Lunch BREAK

~~1030~~ 1300 - Returned to BLDG 1036
FOR Lunch

1300 - Departed BLDG 1036 FOR
LL-1

1315 - ARRIVED LL-1 AND Resumed
boring soil samples

1700 - Stopped sampling ops

1715 - Departed LL-1 FOR BLDG 1036

1730 - ARRIVED BLDG 1036

1745 - SECURED

————— LAST Entry —————

SUN 10-01-00

0700 - ARRIVED AT VISTA Field
OFFICE

0800 - DAILY SAFETY BRIEFING
GIVEN BY SAIC HSO.

0820 - CHECKED MAGNETOMETER

0830 - DEPARTED BLDG 1036 FOR
LL-1

0845 - ARRIVED AT LL-1

0900 - STARTED UXO AVOIDANCE
SUPPORT TO 2 SAIC
Field Sampling Teams.

1030 - Investigated possible UXO
item NEAR BLDG CB-13.
Item was positively
identified AS pipe fitting

1115 - Resumed UXO AVOIDANCE
Support

1200 - Lunch

1300 - Assisted team 1 with
obtaining soil samples.

1700 - Stopped operations AT
LL-1

1715 - DEPARTED LL-1 FOR
BLDG 1036

1730 - SECURED
NOTHING FOLLOWS

MON 10-02-00

0700- ARRIVED Vista Field
office.

0730- DAILY SAFETY Briefing
given by SAIC HSD

0750- check out Magnetometer

0815- Depart BLDG 1036 For
LL-1

0830- ARRIVED AT LL-1

0845- START UXO AVOIDANCE
support to SAIC field
sampling teams

0930- Investigated 1 suspect
UXO Item NEAR BLDG
4 AT LL-1. Item WAS
identified AS a piece off
of A electrical box.

1030- Resumed UXO support
to SAIC.

1200- Lunch

1300- Resumed UXO Assistance
to SAIC Field teams.

1700- stop field operations

1715- Depart LL-1 For
BLDG 1036

1730- SECURED

— LAST Entry —

TUE 10-03-00

0700 - ARRIVED AT VISTA
Field OFFICE

0800 - DAILY SAFETY BRIEF
given by SAIC HSO

0820 - checked Magnetometer

0840 - DEPART BLDG 1036 FOR
LL-1

0900 - ARRIVED AT LL-1

0915 - START UXO AVOIDANCE
Support to SAIC field
Sampling teams.

1100 - Looked AT possible UXO
item NEAR BLDG 4A AT
LL-1. Item WAS NOT
UXO related. It looked
like electrical conduit.

1200 - Lunch

1300 - RESUMED UXO support
FOR SAIC.

1445 - WAS CALLED TO TEAM 2
LOCATION TO investigate
a possible UXO Item.
Item was positively
identified AS an equipment
battery box. (BLDG 4A)

1545 - Returned to team 1

Location

1700 - Stopped operations for today

1715 - Depart U-1 for BLDG 1036

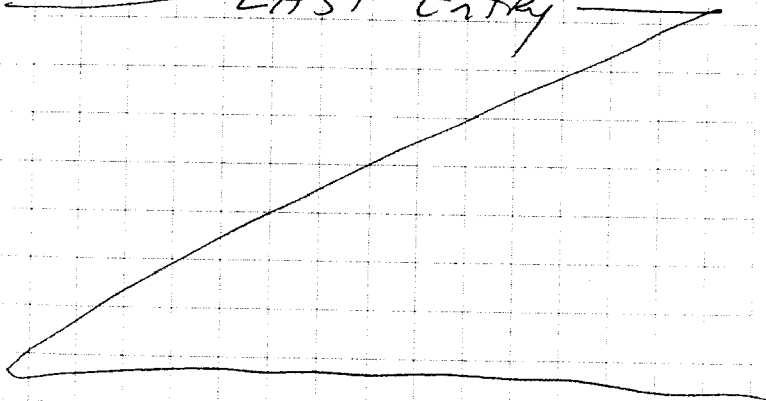
1730 - SECURED

LAST ENTRY

WED. 10-04-00

- 0700 - ARRIVED VISTA Field office
0800 - Safety Briefing given
by SAIC HSO
0820 - Check Magnetometer
0830 - DEPART BLDG 1036 for LL-1.
0845 - ARRIVED AT LL-1
0900 - START UXO AVOIDANCE
SUPPORT TO SAIC.
1300 - SECURE OPERATIONS AND
Return to BLDG 1036.
1430 - SECURED VISTA Equipment
AT VISTA Field OFFICE.
Performed MAINTENANCE on
Magnetometer. cleaned the
unit and removed batteries.
1600 - SECURED

— LAST Entry —



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