

## RAPID RESPONSE WEEKLY REPORT

**Project Name -** Poleline Road Disposal Area

**Week ending -** 9-17-94

**Project Location -** Fort Richardson, Alaska

**Report No. -** 009

**Prepared by -** OHM Remediation Services Inc.

**Reporting Period** 9-12-94 thru 9-17-94

**Percent Field Work Completed -** 80 %

**Percent Project Completed -** 80 %

### Summary of Work Completed On Site -

1. On Monday the 12th, we continued excavation in Zone 10 of Area A-4.

Items found during the days excavation included:

6 - flame throwere cannisters	5 cubic yards of scrap metal
2 - lecture bottles of unknown content	1 - small jar with unknown white powder

Also today we sent 2 composited samples from the 24 tarry substance drums to Columbia Analytical for predisposal analysis.

24 individual samples from the drums were sent to ERDEC for individual analysis for Lewisite.

2. Tuesday we completed the excavation in Zone 10 of Area A-4.

The last day of excavation in Zone 10 yielded:

2 - HC Smoke Grenades	1 - empty 75mm round
1 - empty 105mm round	1 - small jar with unknown white material

3. On Wednesday morning we moved the shaker screen to the storage cell area.

We then excavated a ramp on the north side of Area A-3 to allow access for equipment and trucks to enter A-3 for reexcavation.

Also today we over excavated Zone 4 which was a hit on solvent analysis near Monitoring well 5.

During the overexcavation we discovered a 5 gallon pail which was removed from the excavation by the excavator. As it was removed it produced a white vapor cloud around the front of the excavator. Work was immediately stopped and TEU checked the pail for CWM content and the Minicam had a positive hit of 1.89. Subsequent tests with the minicams continued to yield results over 1. However, tests with the M-18 kits did not confirm the presence of mustard.

TEU placed the granular material which had spilled on the ground during removal from the excavation and the pail which was 2/3 full of the material into a 17-H drum. The material was reacting with moisture in the air and producing not only white vapor but also producing enough heat to melt the plastic bags that they had first attempted to place it into.

It was later discovered that not only was the material water reactive but it exhibited a ph of 14. On researching the characteristics of this material we believe that it is Potassium Hydroxide or "Lye".

A sample of the material has been sent off to Battelle for screening for CWM and breakdown products. If there are none present it will be sent to Columbia for predisposal analysis.

4. On Thursday we completed the overexcavation of Zone 4, and moved across A-3 to the hillside in the vicinity of the old Trench A to pickup some old respirator cartridges which had been observed in the sidewalls during excavation and sampling in that area.

In commencing the removal, it was discovered that there was more scrap and metal the farther back into the wall we excavated. In fact as we continued we found:

2 - M60 machine gun belts with unfired blanks	Misc. Scrap metal
Respirator Cartridges	1- White Phosphorous Grenade
2 - Tail Fins for 250 lb-500lb bombs	
24 - small clear bottles marked Hydrochloric Acid	
1 - Wood crate part marked "Hydride Charge" packaged in 1953	
1000's off old Mustard and Lewisite Detector Tubes from detector kits which were predecessors to the M-18 Kit.	
11 - additional lecture bottles of unknown contents	

All items were tested with the Minicams and M-18 kit and found to be negative for CWM.

This trench which was identified by random chance only. It was not indicated on the CRREL survey map. It was completely outside the CRREL survey area up the hill side past survey points. Trees and brush had to be removed to access the buried debris as it was encountered. Using the debris as a guide the trench continued approximately 40 feet (see attached progress map for area involved).

5. On Friday the new hillside trench was completed. At that time it was deemed that we were complete with the potential for CWM excavation, therefore, TEU, the Fire Department, and the Medics were demobed. TEU transported the pigs with the various vials and bottles which had been locked under the Decon Trailer to the bunker. The OHM sample tech went to the bunker area with TEU and they took soil samples as directed by Fort Richardson Safety and DPW. The soil samples will be analyzed for Herbicides and Pesticides and there were dead rats around the bunker which raised some concern of personnel at the ASP.

Also today we have stopped perimeter air monitoring, with exception of 2 badges which will be maintained near the excavation area, and 2 badges which will be maintained near the soil stockpile area. The badges are kept in place for 8 hours each day and then sent off for organic solvent analysis.

On site as soon as the area was cleared, we began overexcavation in the bottom of Area A-3. The soil designated as contaminated from analysis is being placed directly in the permanent storage cell.

6. On Saturday we continued the overexcavation of the bottom of Area A-3, direct loading the soil into the dump trucks and screening it at the storage cell area.

7. The site has now been downgraded to Level C in all areas. For a while on Friday and Saturday the excavator operator stayed in Level B until H&S could monitor the overexcavation activity and insure that solvent levels were not above Level C Protection levels.

8. At the time of this writing we have excavated an additional 4 feet in depth from the area in the bottom of A-3 designated by analysis for overexcavation. We are now beginning to take out an additional 4 feet from the Trench "footprint" which is still visible even after taking out the first 4 feet. This second 4 foot lift will put our excavation bottom in groundwater at which time no further excavation will take place unless so directed.

**Summary of Work Completed Off Site -**

Earth Resources is preparing to mobilize to the site.

**Explanation of Deviation from Work Plan -**

NONE

**Problems Encountered -**

NONE

**Recommendations -**

NONE

**Key Personnel Changes -**

Paul Sawyer - CIH - has left the project.

Lori Petrocelli - Technician, working on air monitoring, has left the project.

**Work Anticipated to be Performed Next Week -  
ther Remarks -**

1. Complete overexcavation of Area A-3
2. DPW has requested that we place a 2 foot uncompacted soil cap over areas A-1 and A-2 and fence that area. We will begin to cap the area this week.
3. Surveyors will survey excavations for contours, survey A-1 and A-2 to locate the anomaly areas, and relocate grid points taken out during removal of the hillside trench.
4. We will begin backfill as soon as sample results are received.
5. Continue to stockpile rocks at soil storage area into permanent cell, and place permanent liner over soil and rock stockpiles.
6. We will begin to shrink the Level C area as sample results are received and backfill commences.

Submitted



Larry Hudson  
Project Manager  
OHM Remediation Services

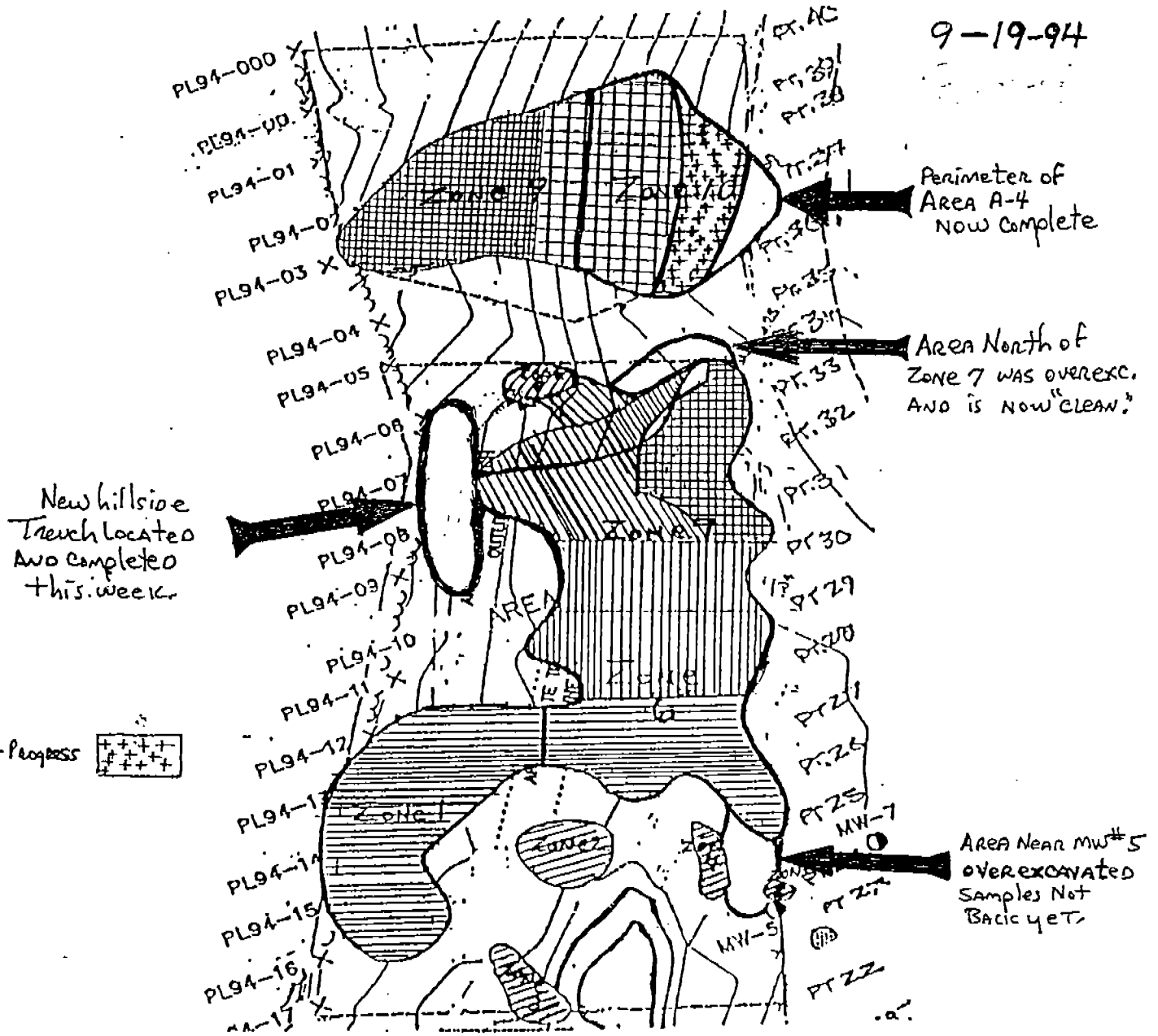
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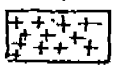
Steve Dawson  
Construction Representative  
U.S. Army Corps of Engineers

# Poleline Road Zone Delineation

9-19-94



Week 8 - Progress



- Week 3 Progress To Date
- Week 4 Progress
- Week 5 Progress