



UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

02.04-02/07/89-BANK Big DILL +
00306 NAOMI WHITWORTH

IN REPLY REFER TO: *1013*

6280/9
FAC
FEB 7 1989

From: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina 28542-5001
To: Defense Reutilization and Marketing Office, Camp Lejeune
Subj: SITE SURVEY REPORT DRMO LOT 203
Encl: (1) Site Survey Report of 1 Feb 89

1. We are forwarding the enclosure to make these data available for your use regarding possible work place hazards at Lot 203. These data indicate no imminent hazards exist which represent a threat to the health and safety of persons utilizing Lot 203.
2. We have utilized portable gas chromatograph to identify the presence of organic vapors potentially affecting personnel at the site. We will continue to monitor this site and keep you informed of the results. Specifically, we are examining one location as described in the enclosure to define the depth of contamination by organic compounds.
3. For further information on this matter, contact Bob Alexander, extension 3034.

T. J. Dalzell
for T. J. DALZELL
By direction

Copy to:
CMC (LFL)
LANTDIV (Code 115)
CO, NavHosp (Attn: PMU)

Just pulled them people out three weeks ago

Facilities people, environmental, safety, Industrial hygiene, Public Aff - legal

*Committed to take soil analysis today tomorrow, rather approve 11 bills for analysis by environmental - headed by an O-6 ^{CO} Dalzell
who would be impact - would build another bed*

SITE SURVEY REPORT

DRMO LOT 203
MCB, CAMP LEJEUNE, NC

1 FEBRUARY 1989

1. Purpose: To identify using soil gas analysis the presence of volatile organic compounds potentially affecting personnel working at Lot 203.

2. Personnel Conducting Survey:

Mr. R. J. Andrews, MCB Safety Officer
Mr. Tex Ritter, MCB Gas Free Engineer
Mr. R. E. Alexander, MCB Environmental Engineer

3. Equipment Used:

Organic Vapor Analyzer (Foxboro Model 128)
Soil Auger
Panasonic Videocamera

4. Weather Conditions: Sunny and breezy, 70 degrees F., southwest wind 10-15 mph.

5. Sites Examined:

- a. See attached site location map as reference.
- b. Prior to initiating soil gas tests, the Foxboro 128-OVA was calibrated relative to methane. The OVA is designed primarily to quantitatively and qualitatively identify organic vapors at hazardous waste sites.
- c. At each site, the procedure which was followed included an initial measurement of vapors on the soil surface, prior to removing soil to a depth of approximately 18 inches using the hand auger. A measurement for the presence of organic vapors was made in each auger hole using the portable gas chromatograph in the survey mode for Organic Vapor detection. The sensitivity of the equipment is from 0 to 1,000 parts per million (ppm).
- d. Sites tested include:
 - Test 1. Office trailer--at northwest corner.
 - Test 2. At "DDT drum site"--ambient air, shallow soil at the northeast corner of the excavation, under the plastic sheeting covering excavated containers and soil, and under the plastic sheeting at the bottom of the excavation.

Test 3. At the concrete Scrap Bins on the northern perimeter of the yard, near the third utility from the northwest corner of the yard, approximately 30 feet from the fence.

Test 4. Outside the fenced "Demil Area", on the eastern side at about the midpoint of the fence, and about 10 feet from the fence. Test holes encountered metal objects which limited auger holes to a depth of approximately 12 inches.

Test 5. Outside the fenced "Demil Area", on the western side, at about the midpoint of the fence.

Test 6. Approximately 50 feet west of the western fence of the "Demil Area", and approximately 50 feet from the perimeter fence.

Test 7. At the edge of the scrap metal pile, about 100 feet west of Test 3 above.

Test 8. In the tree-line to the east of the transformer storage area, behind the large wooden boat.

Test 9. At the "Fire Pit" located 20 feet west of the area presently used for storage of ammo boxes.

Test 10. At the transformer storage area, where soil stains indicate likely spills had occurred.

Test 11. Re-test at the "DDT site".

6. FINDINGS:

- A. No imminent hazards were observed.
- B. All tests were negative with exception of Test 4, near the "Demil Area". No evidence of organic vapors were found indicative of shallow soil contamination representing a threat to the health and safety of persons utilizing Lot 203.
- C. At Test 4, the initial reading of >1000 ppm was made where a soil stain was observed. This test was followed up by a test approximately 10 feet north (20 ppm), and additional test holes located as close to the fence as possible (negative results), at approximately 20 feet to the north, east, and south of the initial reading (all negative results).
- D. The Test 4 results may indicate localized effects of a surface spill in the past, however, additional tests are required to determine depth of contamination.

7. RECOMMENDATIONS:

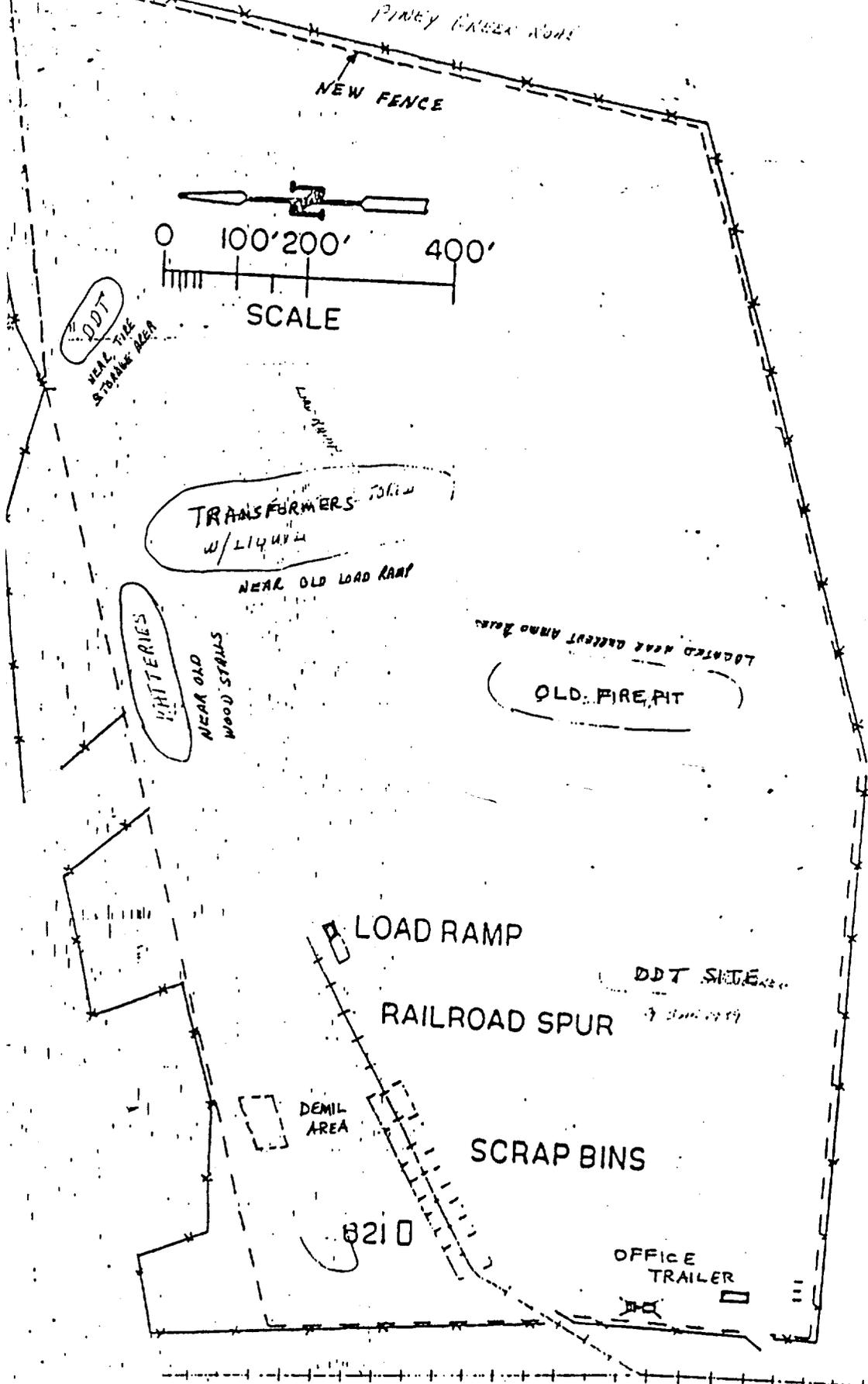
A. Normal operations of Lot 203 should continue pending additional monitoring under the DoD Installation Restoration Program.

B. Activities at Lot 203 should be conducted to minimize the extent of subsurface excavations without additional testing.

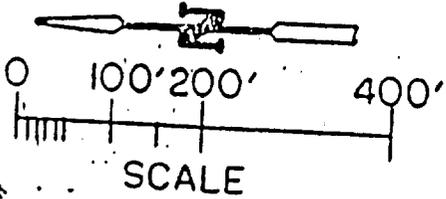
C. At the Test 4 site, an area approximately 30 feet square should be posted to prohibit personnel activity pending definition of depth of contamination.

D. Conduct additional sampling of Test 4 site immediately.

Prepared by Robert E. Alexander
890201



DDT
NEAR TIRE
STORAGE AREA



TRANSFORMERS
W/ LIQUID
NEAR OLD LOAD RAMP

WHITTIERIES
NEAR OLD
WOOD STALLS

LOCATED NEAR OLDEST AMMO BINS
OLD FIRE PIT

LOAD RAMP
RAILROAD SPUR

DDT SITE

DEMIL
AREA

SCRAP BINS

8210

OFFICE
TRAILER