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MEMORANDUM

TO: File
FROM: WPM William P. Moats, NMED, HRMB
DATE: December 4, 1997
RE: OU 1334 RFI Work Plan, ER Site 57A

In an unsigned letter (dated November 6, 1997, copy attached) faxed to me by Sandia National Laboratories' (SNL) contractor Joe Pavletich, SNL requests that modifications be made to the OU 1334 RFI Work Plan regarding a concrete pad (Pad 2) and associated gun mounts located at ER Site 57A. I have reviewed the proposed modifications contained in this letter.

For the purpose of site characterization, analyses of total SVOC's and metals must be done in lieu of the TCLP tests for the five concrete samples. Otherwise, in my opinion, the proposed modifications are acceptable. Both Roger Kennett (DOE OB/NMED) and I have passed on this information (verbally) to Chris Aas, the SNL task Leader responsible for the site.

attachment

cc w/o attachment: Bill McDonald, NMED, DOE OB
Stephanie Kruse, NMED, HRMB
Stu Dinwiddie, NMED, HRMB

ASWA SNL 1334



November 6, 1997

COPY

Mr. William Moats
State of New Mexico Environment Department
Hazardous & Radioactive Materials Bureau
2044 Galisteo
Santa Fe, New Mexico 87502

Dear Mr. Moats:

As discussed during the NMED-OB visit to Sandia National Laboratories/New Mexico (SNL/NM) ER Site 57A on October 29, 1997; the sampling strategy proposed in the OU 1334 Work Plan and modified in NMED-HRMB's Request for Supplemental Information needs further revision to investigate the buried concrete slab recently discovered at this site.

Based on recently discovered aerial and site photographs, the slab lies just east of the former gun mounts and building 9902, and extends for about 200 ft north from the underground bunker entrance (Figure 1). These photographs also show that there were at least four artillery pieces onsite, with the larger weapons (5-inch guns) to the north of Building 9902. Two large stained areas are evident on the 1951 air photograph and are probably the result of gun muzzle blasts. A third, smaller, stained area appears to be present near the underground bunker entrance (Figure 1). Sometime between 1951 and 1967 this area was graded and the slab was covered with approximately 2 to 3 ft of soil. The estimated western extent of the fill is shown on Figure 1.

SNL/NM proposes to sample the concrete in front of the four gun mounts/locations and at the stained area near the underground bunker entrance (Figure 2). SNL/NM would attempt to locate the stained areas by excavating short trenches across the slab. Concrete samples would be collected near the edge of the slab, where staining appears heaviest in the air photograph. The proposed concrete analyses are listed in Table 1 below.

Soil samples would be collected at the edge of the slab adjacent to the stained areas or down range of the gun mount location (Figure 2). Soil samples would be collected at the original grade level (0-6-in.) and at 6-12-in. below original grade. As requested in HRMB's Request for Supplemental Information, samples would also be collected around the four gun mount locations. The proposed analyses are listed in Table 1.

Table 1. Proposed Samples for the Concrete Slab and Gun Mount areas at ER Site 57A.

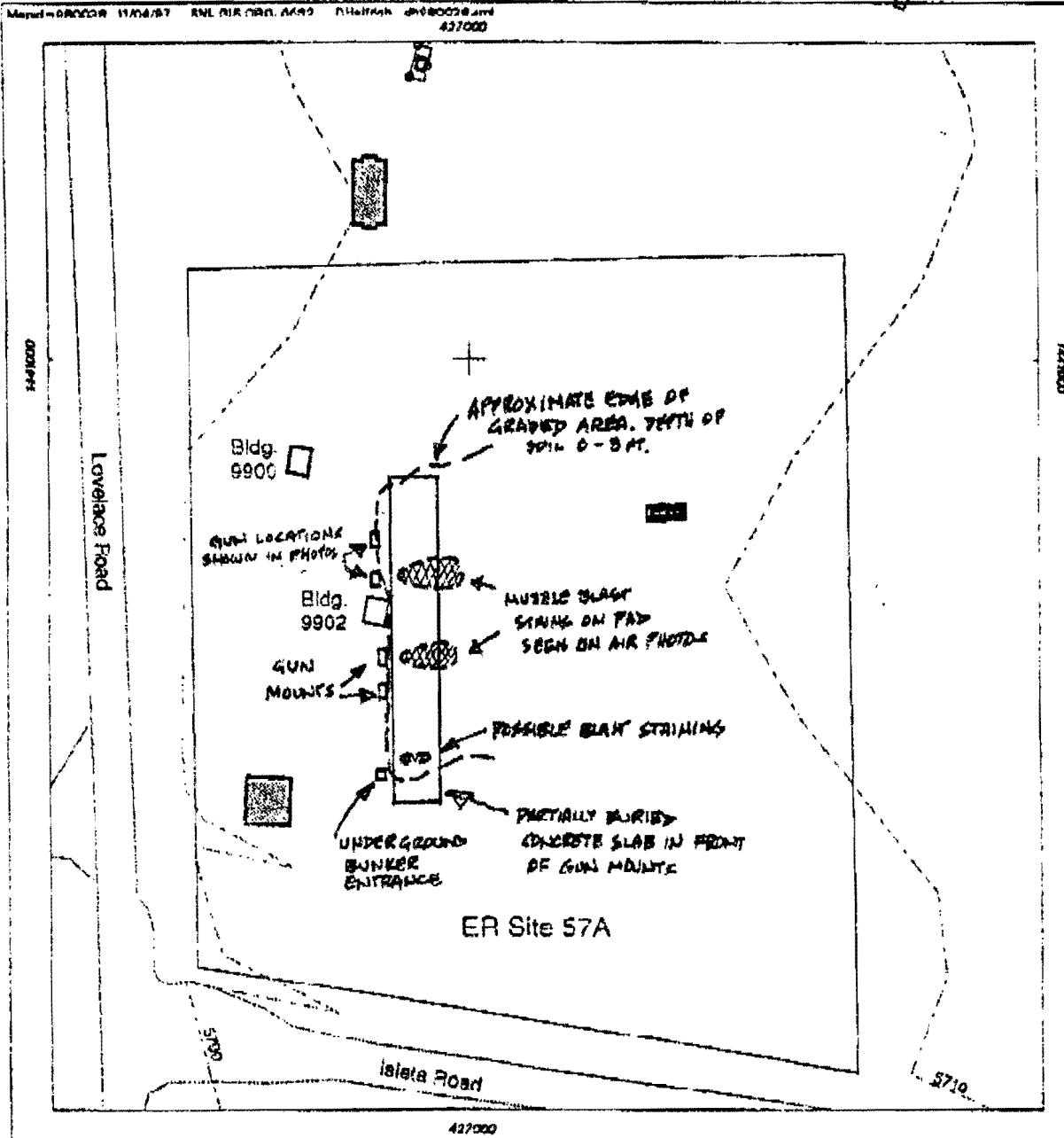
Sample Location	Number of Samples	Proposed Analyses
Stained Concrete Areas	5 (concrete)	HE, TCLP SVOCs, TCLP Metals, Gross alpha, Gross beta, Gamma spectroscopy
Soil at edge of slab, down range of stained areas or gun mounts	10 (2 depths at 5 locations)	HE, RCRA Metals + Beryllium, SVOCs
Soil around gun mounts/locations	24 (2 depths at 12 locations)	HE, RCRA Metals + Beryllium, SVOCs

ADD TOTAL METALS 11/24/97

We look forward to your comments. Since we are hoping to conduct this sampling in early/mid-December and early response would be most appreciated.

If you have any questions please feel free to contact either Chris Aas at (505) 284-2527 or Joe Pavletich at (505) 284-2479.

COPY



Legend

- Road
- 10 Foot Contour
- Building
- Fence
- Concrete Pad
- ER Site 57A

FIGURE 1. Site Map ER Site 57A



Sandia National Laboratories, New Mexico
Environmental Geographic Information System

COPY +

APPROXIMATE EDGE OF GRADED AREA. DEPTH OF SOIL 0-3 FT.

Lovelace Road

Bldg. 9900

GUN LOCATIONS SHOWN IN PHOTOS

Bldg. 9902

GUN MOUNTS

C: CONCRETE SAMPLE
Analysis for:
HE
TCLP SVOCs
TCLP METALS
GROSS α
GROSS β
GAMMA SPC. L.

S: SOIL SAMPLE, COLLECTED AT ORIGINAL GRADE & 6-12" BELOW DRAG. GRADE

ANALYSED FOR:

HE
METALS (RCRA + Be)
SVOCs

- Samples will also be collected around the GUN MOUNTS AT ORIGINAL GRADE & 6-12" BELOW DRAG. GRADE

ER Site 57A

FIGURE 2

5700

Isleta Road

427000

Legend

SANDIA NATIONAL LABORATORIES
Albuquerque, NM 87185
Environmental Restoration Project Fax Sheet

Date: 1-9-98

To: Will MORG

Pages to Follow 3

Org: NMED Fax Nr: 505-884-9254 Verification Nr: _____
HRMG

From: Joe PAULETICH

Org: 6134

Mail Stop: 114B

Fax Nr: 505-284-2617

Verification Nr: 505-284-2479

Message: HERE'S THE COPY OF THE ORIGINAL MEMO REGARDING

SAP CHANGES FOR SITE 57A, 0U1334

original lost
now copy found over.
copy 1-9-98