



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 377TH AIR BASE WING (AFMC)

*Barbara ✓  
Steph S ✓  
File Red —*

RECEIVED

4 June 1993

Ms Barbara Hoditschek  
Program Manager, RCRA Permits  
New Mexico Environmental Department  
P. O. Box 26110  
Santa Fe, NM 87502

Dear Ms Hoditschek

The attached laboratory results for lead in soils represent samples taken in "background" areas of Kirtland Air Force Base (KAFB). The test method was the Inductively Coupled Plasma (ICP) method.

Compared to the level of lead found in the Battery Shop acid pit, the average of these background samples (9.12 mg/kg) indicates that the battery shop can be closed without further action.

We appreciate the diligent efforts Ms Stephanie Stoddard has provided to close this unit. If you have any further questions, please contact Mr Harry Davidson (505) 846-2773.

Sincerely

GEORGE K. PRATT, Lt Col, USAF, BSC  
Deputy Director  
Environmental Management Division

1 Atch  
Lead results



KAFB1310



## LEAD IN BACKGROUND SAMPLES

Samples from Stage 2A sites, collected before 1993, had RMAL reporting limits (AFCEE quantitation limits) of 20 mg/kg.

Samples collected in 1993 have a reporting limit of 5 mg/kg. In 1993 we collected 4 samples deeper than 6'. These are as follows:

Sample Number	Depth	Lead conc.	Location - site	Map No.
KAFB 141102	25'	7.2 mg/kg	Manzano Sewage Lagoons	
KAFB 150603	25'	8.2 mg/kg	Manzano Dump	LF-20
KAFB 150604	50'	13.9 mg/kg	" " "	" "
KAFB 210405	25'	7.2 mg/kg	Landfill B	LF-15

Approximate locations are shown on the accompanying maps.



BRUCE KING  
GOVERNOR

158  
2613

State of New Mexico  
**ENVIRONMENT DEPARTMENT**  
Harold Runnels Building  
1190 St. Francis Drive, P.O. Box 26110  
Santa Fe, New Mexico 87502  
(505) 827-2850

CC: DARRK  
GOULD

JUDITH M. ESPINOSA  
SECRETARY

RON CURRY  
DEPUTY SECRETARY

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

March 17, 1993

*This is the letter we  
must respond to*

Colonel Thomas A. Norris  
Director, Environmental Management  
337th ABW  
2000 Wyoming Blvd SE Suite 5659  
Kirtland AFB, New Mexico 87117-5969

**RE: REVIEW OF CLOSURE WORK CONDUCTED AT BUILDING 20423 BATTERY  
SHOP FRENCH DRAIN AND CONFIRMATION THAT 2/2/92 NOTICE OF  
DEFICIENCY (NOD) IS RESOLVED.**

Dear Colonel Norris:

On February 12, 1993, The Hazardous and Radioactive Materials Bureau (HRMB) of the New Mexico Environment Department (NMED) received an inquiry regarding the status of an NOD issued for the Building 20423 Battery Shop French Drain closure plan. The following chronology is written to address that concern. Secondly, HRMB has completed review of the results from the closure work conducted at the site and has included comments for your consideration.

Kirtland Air Force Base (KAFB) submitted a closure plan for Building 20423 Battery Shop French Drain dated May 12, 1989. NMED completed a review of said plan and issued an NOD dated December 31, 1991. The NOD required KAFB to submit a workplan to "assess the vertical and horizontal extent of solvent contamination in the area". In a meeting held January 21, 1992 between NMED and representatives from KAFB it was agreed that KAFB would also assess the extent of lead contamination from the unit. On March 5, 1992, NMED approved KAFB's work plan for additional investigations. A copy of this letter is included for your files. The approved workplan was added to the May 1989 closure plan and issued for public comment on November 5, 1992. This draft closure plan became the approved closure plan December 21, 1992.

It is HRMB's understanding that KAFB intends to demonstrate that a post-closure care permit is not required for the unit because the

3/17/93  
Pg. 2

closure met the applicable HWMR-7, Part V, Section 40 CFR 264 standards for clean closure. After review of the closure work KAFB documented in the approved closure plan and in the reports following the workplan for additional investigations, HRMB has determined that further information is needed to determine whether or not clean closure has been achieved. Specific information requirements are as follows:

1. Analytical results from corehole sampling conducted in July, 1992 show that lead values in the analyzed samples varied from below 5.0 mg/kg to 11.0 mg/kg at depths ranging from 30 to 100 feet. KAFB must demonstrate that the vertical extent of lead contamination originating from the unit is known. It is suggested that KAFB sample to determine a site-specific background level for lead.

2. Summary table 3-2 for corehole sampling conducted in July 1992 shows detectable levels of Methylene Chloride in two samples from corehole SB-4 (6.0 ug/kg and 7.0 ug/kg at 20 and 40 feet respectively). KAFB must provide to NMED the analytical reports for those samples and a justification to support the conclusion that these detections were due to laboratory contamination.

Please submit your response to these comments within 30 days of your receipt of this letter. If, after all closure activities are complete, the closure meets the standards for closure by removal, NMED will grant clean closure of the unit and terminate interim status. If closure by removal standards are not met, the unit will be subject to the regulatory requirements of post-closure care.

If you have any questions regarding this matter, please contact Ms. Stephanie Stoddard of my staff at (505) 827-4308.

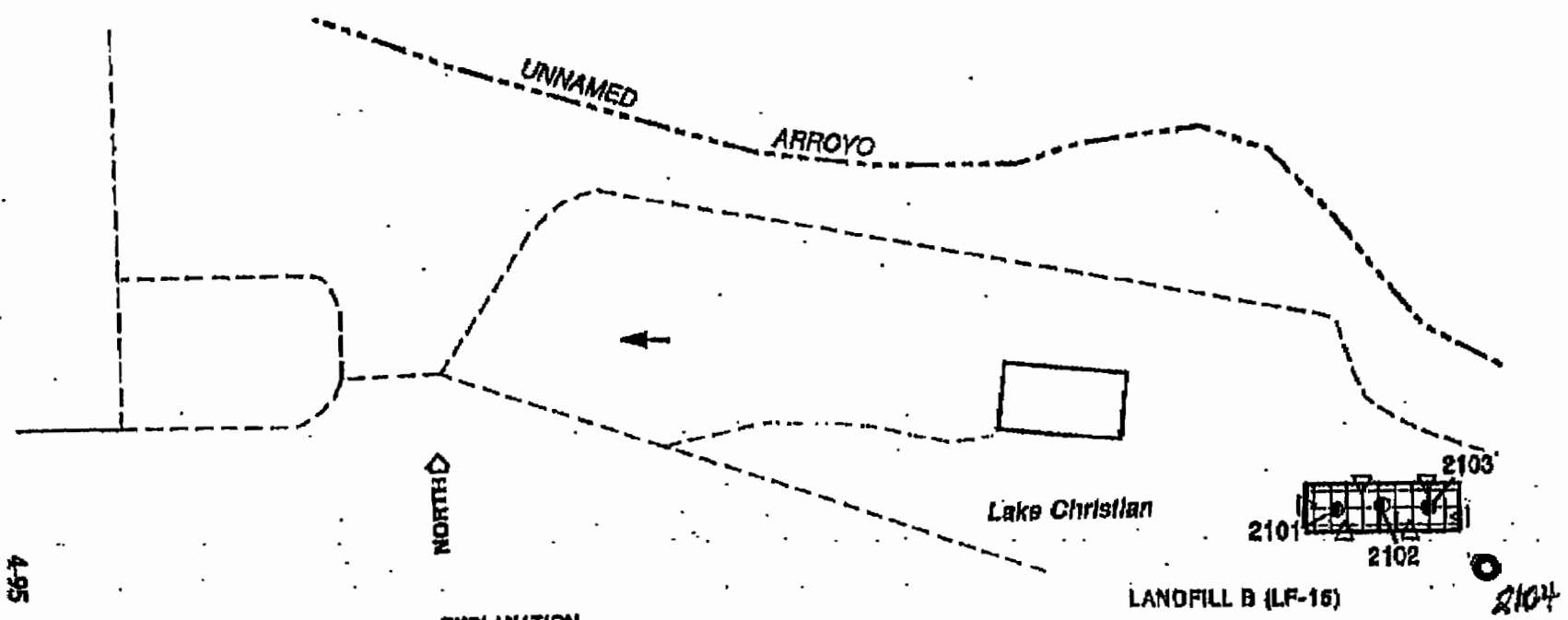
Sincerely,

  
Barbara Hoditschek  
Program Manager, RCRA Permits

xc: Steve Alexander, HRMB  
Ron Kern, HRMB

Enclosure: NMED Ltr, 3/5/92

MAP 3



EXPLANATION

- BOUNDARY OF LANDFILL
- TEST BORING (25-FOOT) SITE
- ▤ PROPOSED AREA OF SURFACE GEOPHYSICAL SURVEY
- ← GENERAL DIRECTION OF GROUND-WATER FLOW

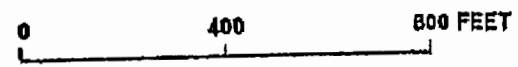
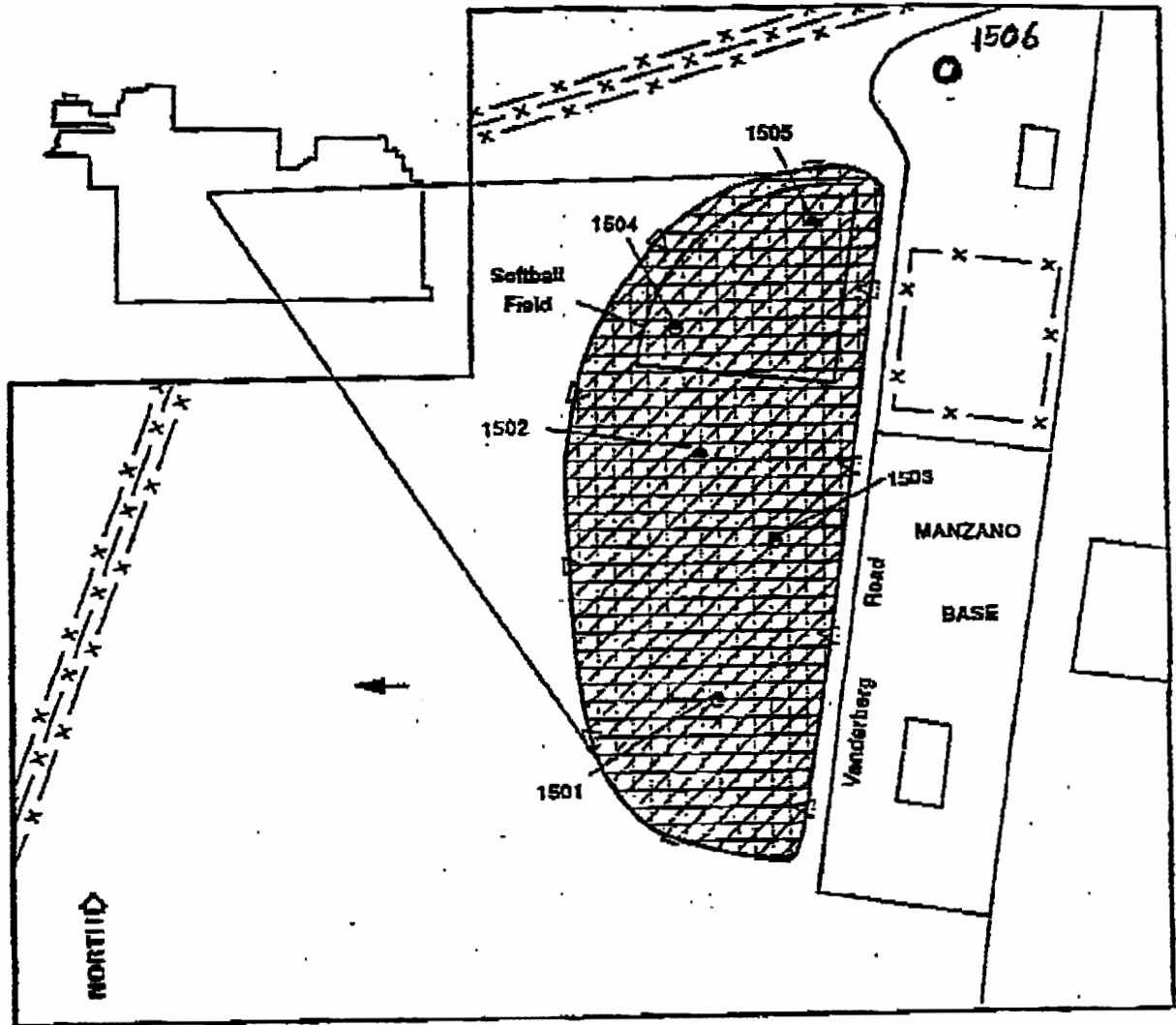


Figure 4.15.--Site 21, Landfill B (LF-15).



Basemap: KAFB/CES, 1967

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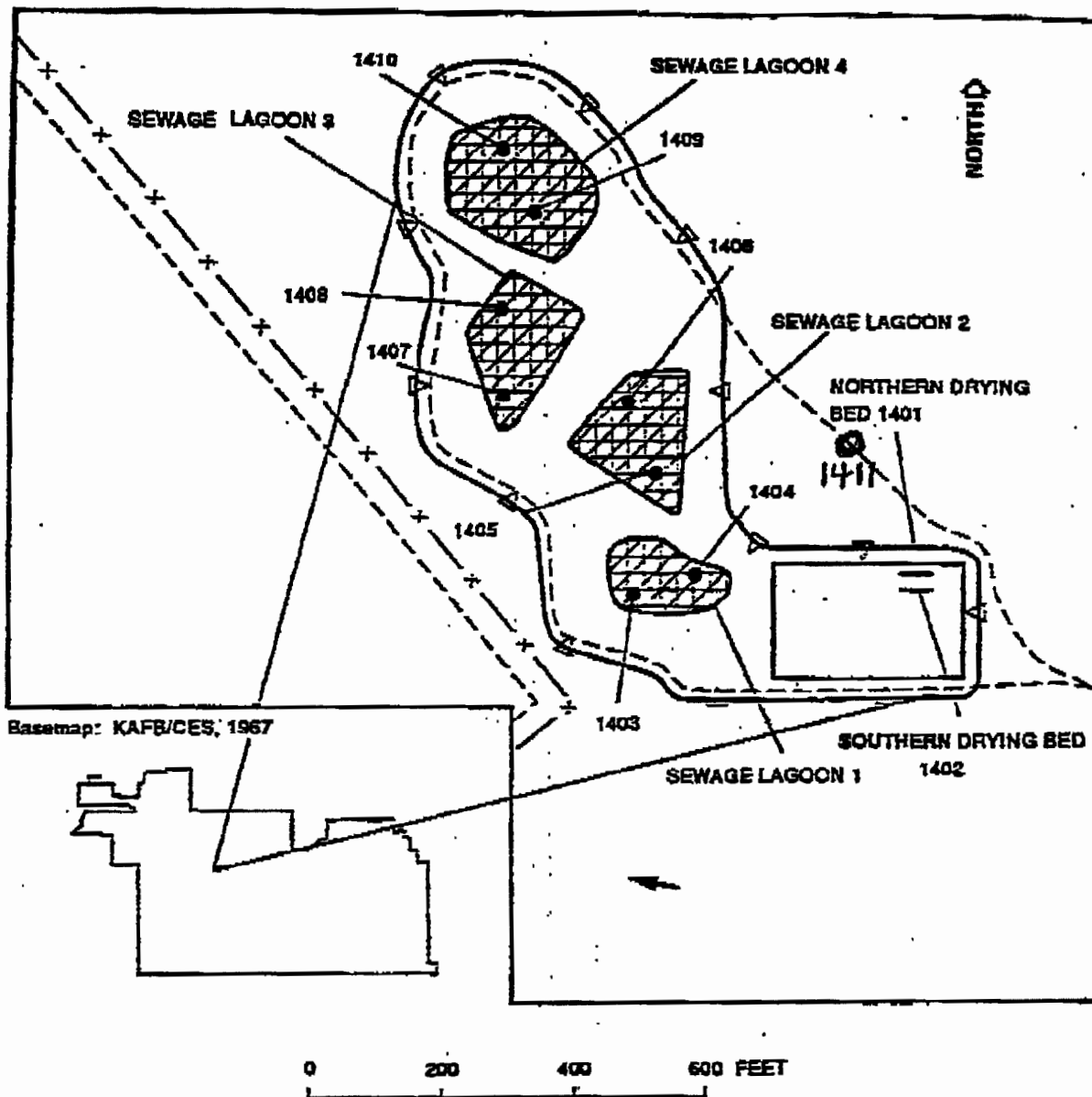
EXPLANATION

- APPROXIMATE BOUNDARY OF LANDFILL
- 100-FOOT BORING, STAGE 2A
- SOIL GAS AND SURFACE GEOPHYSICAL SURVEY
- GENERAL DIRECTION OF GROUND-WATER FLOW

Figure 4.10.--Site 15, Manzano Dump (LF-20).

4-69

MAP 2



Basemap: KAFB/CES, 1967

**EXPLANATION**

- BOUNDARY OF SITE
- HAND AUGER SITE, STAGE 2A.—Number is location number
- SOIL GAS AND GEOPHYSICAL SURVEY SITE, STAGE 2A
- GENERAL DIRECTION OF GROUND-WATER FLOW

Figure 4.9.—Site 14, Manzano Sewage Lagoons Nos. 1, 2, 3, 4, and Drying Beds.

LEAD IN BACKGROUND SAMPLES

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