



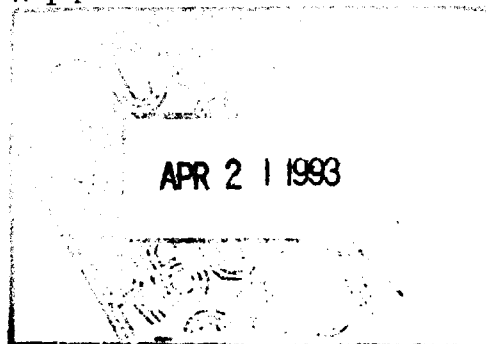
DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 377TH AIR BASE WING (AFMC)

*Dating =  
Stephanie S  
File*

377 ABW/EM  
2000 Wyoming Blvd SE  
Kirtland AFB NM 87117-5659

APR 14 1993

Ms Barbara Hoditschek  
Program Manager  
Hazardous and Radioactive Materials Bureau  
PO Box 26110  
525 Camino de Los Marques  
Santa Fe NM 87502



Dear Ms Hoditschek

As a result of several telephone conversations between John Gould, Ron Kern, and Stephanie Stoddard, a decision made by KAFB Environmental Management Division to change our proposal for the submittal of background lead concentrations at the base battery shop. The US Geological Survey (USGS) has already shipped background samples to the lab that will meet Mr Kern's requirements of having been collected from depths of 10 feet or more at remote sites unaffected by base activities. These samples have been analyzed by method 8010, with a detection limit of 5 parts per million, which is the same method used to analyze the previous battery shop soil samples and should yield comparable results. Sampling and analysis by this analytical method is being conducted by the USGS to determine background concentrations for our SWMU investigation. The sampling depths, locations, and analytical methods are acceptable to EPA for this purpose.

Although we have not yet received the analytical paperwork from the lab, the USGS verbally informed us that the background analytical results for lead are as follows:

<u>HOLE NUMBER</u>	<u>SAMPLE DEPTH</u>	<u>PB CONCENTRATION</u>
KAFB 1411	25 Feet	7.2 mg/kg
KAFB 1505	25 Feet	8.2 mg/kg
	50 Feet	13.9 mg/kg
KAFB 2104	25 Feet	5.7 mg/kg

These analytical results are consistent with the lead results from the soil borings at the battery shop and demonstrate that the lead levels found at the battery shop are within the range of background concentrations. The analytical reports will be submitted as soon as they are available.

KAFB1300



The analytical results showing the methylene chlorine in the two samples from borehole SB-4 appear questionable. We are currently awaiting additional QA/QC information from our lab and a review of this data by our consultants. We feel that the methylene chloride, a common lab contaminant, may have resulted from laboratory contamination since this compound was found in the method blank for at least one of the samples at a level below the method PQL. However, it is possible that the methylene chloride does exist in the soil. If this is determined to be the case, we feel that the methylene chloride may be a constituent of the overlapping suspected solvent plume originating from the nearby contractor's yard, since the methylene chloride was not found in any of the samples collected from the borehole adjacent to the french drain.

When the remaining QA/QC data is available, its review completed, and a determination concerning the existence of the methylene chloride made, this information will be submitted to your bureau. This information should be available within 30 days.

If you have any questions, please contact Harry Davidson at 846-2773.

Sincerely



THOMAS A. NORRIS, Colonel, USAF  
Director  
Environmental Management Division

cc: NMED (Dave Morgan)  
NMED (Stephanie Stoddard)