



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

ENTERED

28 May 1996

377 ABW/EMC  
2000 Wyoming Blvd SE  
Albuquerque NM 87117-5659

Mr. Benito J. Garcia  
Chief, Hazardous and Radioactive Materials Bureau  
New Mexico Environment Department  
P.O. Box 26110  
2044A Galisteo  
Santa Fe NM 87502



RE: Lead Shot From Skeet Range Used As Road Bedding

Dear Mr. Garcia

On May 15, 1996, we (Environmental Compliance Branch) received notice the base Sandia Skeet Range area was being cleaned of lead shot, clay pigeons, and dirt by Civil Engineering (CE) and then transporting the material to be used as road bedding. Upon being contacted we researched our records to determine if the proper permits were obtained and if the proper notification was conducted. After finding no paper work, we notified CE to stop removing the suspected contaminated soil.

On May 16, 1996, we requested sampling/analysis for lead (SW846 7420) on the skeet range and the area where the suspected contaminated soil was relocated. The area of concern is the road leading to the landfill on Base, which is in the Tijeras arroyo.

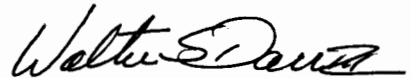
On May 20 1996 we received the results of the analysis (see attachment 1). Also, (see attachment 2) the map indicates the sampling sites.

On May 21, 1996, we had conversation with our CE personnel and they disclosed to us that this practice had been occurring, as far back as they can recall, since 1980. Verbal notice of this event was given to Mr. Coby Muckelroy, by myself, after review of the sampling analysis and talking to our CE personnel.



If you have any questions, please contact Ms Marsha Carra at (505) 846-7846 or myself at (505) 846-5037.

Sincerely



WALTER S. DARR III  
Chief, Environmental Compliance  
Environmental Management  
Division

Attachments:

1. Sampling Analysis
2. Map Skeet Range/Landfill Road



# Chain of Custody Record

7300 JEFFERSON, N.E.  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 345-8964

3332 WEDGEWOOD  
EL PASO, TEXAS 79925  
(915) 593-6000

1910 N. BIG SPRING  
MIDLAND, TEXAS 79705  
(915) 570-1116

MELQUIADES ALANIS  
8411 LOCAL UNO  
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Lab Job no.: 5146 Date 16 May 96

Page 1 of 1

Client KAFB Project Manager / Contact MARSHA CANVA  
Address \_\_\_\_\_ Telephone No. 846-7847  
City / State / Zip \_\_\_\_\_ Fax No. \_\_\_\_\_  
Project Name / Number SKERT RANGE Samplers: (Signature) [Signature]  
Contract / Purchase Order / Quote \_\_\_\_\_

No. of Containers	Type of Container	Analysis Required	
		Trace	Chemical
1	LEAD		

Lab No.	Field Sample Number / Control	Date	Time	Sample Type	Type / Size of Container		Temp	Pres	Chemical	Analysis		Remarks
					Trace	Chemical				Trace	Chemical	
01A	9605161120	5/16/96	1120	Soil	4 oz. G.	4°C	N/A			X		STAT. 1 - CABLE ROUTE
02A	9605161125		1125							X		CNTY LINE STAT. 3 + CABLE
03A	9605161130		1130							X		CLOSEST TO STAT. 3
04A	9605161135		1135							X		MID V. E. OF STAT. 3
105A	9605161140		1140							X		DRAINAGE EMBANKMENT
106A	9605161145		1145							X		W. OF DRAINAGE CULVERT
07A	9605161150		1150							X		WEST OF RANGE SIGN
108A	9605161200		1200							X		#8 EAST ROAD EXIT
09A	9605161205		1205							X		#9 EAST ROAD EXIT
111A	9605161210	5/16/96	1210	Soil	4 oz. G.	4°C	N/A			X		#10 EAST ROAD EXIT

TIER II

Analyzed by: <u>[Signature]</u> Signature: <u>SCOTT PRATT</u> Printed: <u>ANL</u> Company: <u>ANL</u> Reason: _____	Date: <u>16 MAY 96</u> Time: <u>14:00</u>	Received by: <u>[Signature]</u> Signature: <u>[Signature]</u> Printed: <u>[Signature]</u> Company: <u>[Signature]</u> Reason: _____	Reanalyzed by: _____ Signature: _____ Printed: _____ Company: _____ Reason: _____	Date: _____ Time: _____	Received by: _____ Signature: _____ Printed: _____ Company: _____ Reason: _____
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Method of Shipment: \_\_\_\_\_  
 Shipment No.: \_\_\_\_\_  
 Special Instructions: \_\_\_\_\_

Comments: ORGAN: 377 ABW/EM  
WASTE STREAM - N/A

After analysis, samples are to be:  
 Disposed of (additional fee)  
 Stored (30 days max)  
 Stored over 30 days (additional fee)  
 Returned to customer

LABORATORY

ATCH 1

MAY-20-1996 11:10 ASSAIGAI ANALYTICAL LAB 505 345 7259 P.02


**ASSAIGAI  
ANALYTICAL  
LABORATORIES**

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259  
 3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

Report Generated:  
 May 20, 1996 10:17

**CERTIFICATE OF ANALYSIS  
 RESULTS BY SAMPLE**

SENT PHILLIPS LABORATORY/EMD WORKORDER # : 9605146  
 TO: 3651 LOWERY AVE. SE WORK ID : SKEET RANGE  
 ALBUQUERQUE, NM 87117-5777 CLIENT CODE : PHI08  
 DATE RECEIVED : 05/16/96  
 ATTN: MARSHA CARRA/WALTER DARR

Page: 1

Lab ID: 9605146-01A  
 Sample ID: 9605161120

Collected: 05/16/96 11:20:00  
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 52000	N/A mg/Kg	5.0	500	05/17/96	SF452

Lab ID: 9605146-02A  
 Sample ID: 9605161125

Collected: 05/16/96 11:25:00  
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 53500	N/A mg/Kg	5.0	500	05/17/96	SF452

Lab ID: 9605146-03A  
 Sample ID: 9605161130

Collected: 05/16/96 11:30:00  
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 274	N/A mg/Kg	5.0	5.0	05/17/96	SF452

Lab ID: 9605146-04A  
 Sample ID: 9605161135

Collected: 05/16/96 11:35:00  
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 25900	N/A mg/Kg	5.0	500	05/17/96	SF452



Lab ID: 9605146-05A  
Sample ID: 9605161140

Collected: 05/16/96 11:40:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 56900	N/A mg/Kg	5.0	500	05/17/96	SF452

Lab ID: 9605146-06A  
Sample ID: 9605161145

Collected: 05/16/96 11:45:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 59600	N/A mg/Kg	5.0	500	05/17/96	SF452

Lab ID: 9605146-07A  
Sample ID: 9605161150

Collected: 05/16/96 11:50:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 38.0	N/A mg/Kg	5.0	1.0	05/17/96	SF452

Lab ID: 9605146-08A  
Sample ID: 9605161200

Collected: 05/16/96 12:00:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 289	N/A mg/Kg	5.0	5.0	05/17/96	SF452

Lab ID: 9605146-09A  
Sample ID: 9605161205

Collected: 05/16/96 12:05:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050 LEAD (FAA)/SW846 7420 Lead, Pb	05/17/96 247	N/A mg/Kg	5.0	3.0	05/17/96	SF452

Lab ID: 9605146-10A  
Sample ID: 9605161210

Collected: 05/16/96 12:10:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
(FAA) DIG SOIL/SW846 3050	05/17/96	N/A				
LEAD (FAA)/SW846 7420 Lead, Pb	375	mg/Kg	5.0	3.0	05/17/96	SF452

  
for  
James A. Seely  
Operations Manager

**WORKORDER COMMENTS**

DATE : 05/20/96  
WORKORDER:

**DEFINITIONS/DATA QUALIFIERS**

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

- ND = Analyte "not detected" in analysis at the sample specific detection limit.
- D\_F = Sample "dilution factor"
- NT = Analyte "not tested" per client request.
- B = Analyte was also detected in laboratory method QC blank.
- E = Analyte concentration (result) is an estimated value or exceeds analysis calibration range.
- LIMIT = The minimum amount of the analyte that AAL can detect utilizing the specified analysis.

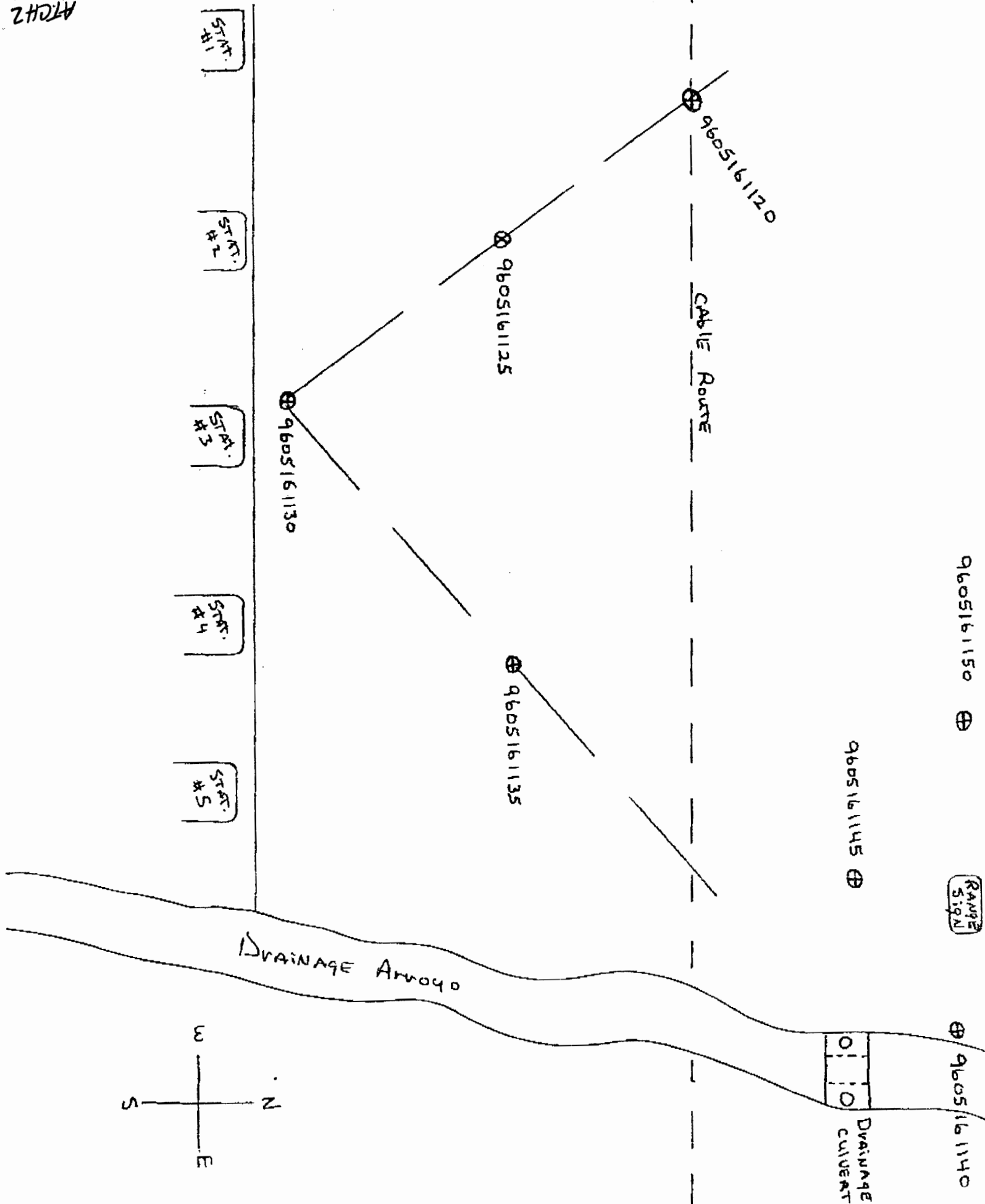
Please Note: Multiply the "Limit" value (AAL's Detection Limit) by Dilution Factor (D\_F) to obtain the sample specific Detection Limit.

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**REPORT COMMENTS**

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ATCH 2



9605161150 ⊕

RANGE SIGN

9605161140 ⊕

9605161145 ⊕

DRAINAGE CULVERT

ATCH 2



PENNSYLVANIA AVE

DIRT ROAD

STNK #1

STNK #2

STNK #3

STNK #4

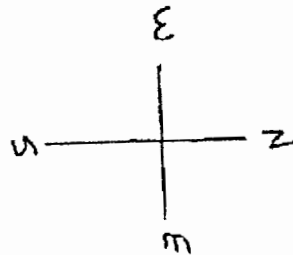
STNK #5

9605161200

9605161205

9605161210

SKERT  
FIL  
DEBRIS  
FOR  
ANALYSIS



DRAINAGE ARROYO