



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

CERTIFIED MAIL 7099 3220 0005 8924 3740  
RETURN RECEIPT REQUESTED

James

AR Doc #1344

2 Aug 00

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MEMORANDUM FOR MS. MARCY LEAVITT, CHIEF  
GROUNDWATER QUALITY BUREAU  
NEW MEXICO ENVIRONMENT DEPARTMENT  
PO BOX 26110  
SANTA FE NM 87502



FROM: 377 ABW/EM  
2050 Wyoming Blvd SE,  
Building 20685, Suite 125  
Kirtland AFB NM 87117-5270

SUBJECT: Additional Requirements for Stage I Abatement Plan for ST-106, Bulk Fuels Facility, Kirtland AFB

1. We are in receipt of the subject request for additional plan requirements, dated 20 Jul 00 and are providing this response.

  - Page 3, Condition 5: GWQB requested copies of records related to the excavation and removal of 76 cubic yards of soil in November 1999. KAFB responded that the requested information was submitted in Appendix A of the 15-Day notification of Discharge, dated December 16, 1999. GWQB does not have a copy of this letter in the case file. Please send another copy of this letter to Jennifer Parker or Jim Mullaney at GWQB.

*Response: Please refer to Attachment 1.*

- Page 3, Additional Requirement: On July 19 and 20, 2000, KAFB provided verbal reports to GWQB of progress of the investigation. Based on the report of PID readings in the thousands of ppmv at a depth of approximately 200 feet in the first borehole, GWQB hereby requests that KAFB research fuel inventory records for the Bulk Fuel Facility for the entire time that the facility has been in existence, tracing the records through the time JP-4 was the jet fuel used at KAFB. Please report whether there are any inventory discrepancies that could indicate losses of any of the fuels stored or transferred at the Bulk Fuels Facility.

*Response: Please refer to Attachment 2. The Bulk Fuel Facility provided inventory gain/loss records for calendar years 1996 through the present. The facility is only required to maintain inventory control records for three years. The inventory records do not include the time period when JP-4 was used at KAFB. The change from JP-4 to JP-8 occurred in approximately 1991. Additionally, the inventory discrepancy for 1999 is reported as a total loss of 162,759 gallons in these records. This figure will*

1344 001

*supercede the previously reported inventory discrepancy of 97,171 gallons as the estimated fuel losses for 1999. The attached records indicate a total net loss of 157,353 gallons for calendar years 1996 through present.*

2. Please contact me at 505-846-9002 or Mr. Mark Holmes at 505-846-9005 or if you have any questions on this matter.



~~FOR~~ HARRY M. DAVIDSON  
Acting Chief, Restoration Branch  
Environmental Management Division

Attachments:

1. Report of contaminated soil disposal
2. Report of Inventory Control record gain/loss

cc:

NMED-HRMB (Mr. Bearzi) w/o atchs  
NMED-HRMB KAFB (Mr. Moats) w/o atchs  
NMED-GWQB (Ms. Parker) w/o atchs  
NMED-GWQB (Mr. Mullany) w/o atchs  
EPA Region 6 (Ms. Tellez) 2 copies w/o atchs  
HQ AFMC/CEVC (Mr. Fort) w/o atchs  
AFCEE (Mr. Arnold) w/o atchs  
CH2MHILL (Ms. Minchak) w/o atchs  
377 ABW/EMC (Mr. Montano) w/o atchs

RECEIVED

AUG 03 2000

GROUND WATER BUREAU

December 06, 1999

Final Report Concerning Spill Response Activities Surrounding JP8 Release at Facility #2409

Report to: 377ABW/EMV  
2050 Wyoming SE  
Kirtland Air Force Base  
Albuquerque, NM 87117

Report from: Doug Roshau  
Rod Rodriguez, Inc.  
7928 Ranchitos Loop NE  
Albuquerque, NM 87113

At 1215 hours on November 12, 1999, staff from Rod Rodriguez, Inc (RRI) were called to respond to a JP8 spill at the JP8 off-loading ramp (facility #2409) near building #1039. At 1230 hours RRI staff arrived on scene and met with Environmental Management personnel to access the situation. Dropped off 5 x 55g 1A2 drums on site. Absorbent booms with JP8 were placed into the drums. The drums were marked and left in place for subsequent disposal. Environmental Management personnel decided soil excavation on the site could be left until Monday. The area was cordoned off with "Caution" tape.

At 0900 hours on November 15, 1999, Doug Roshau (DR) of RRI met with Robert Dray of Environmental Management to access the spill situation. Site drawing were observed in an effort to determine the location of two underground fuel pipes. Also, met with representatives of Civil Engineering, Base Safety, and the Fire Department. Everyone agreed to notify the Fire Department before digging any soil. Also all utilities in the area must be spotted. A bobcat with a backhoe attachment arrived on site at 1200 hours along with additional RRI staff. Begin excavating soil in area away from pipelines and utilities. Set up staging area for contaminated soil with poly sheeting. Completed excavation for the day at 1600 hours.

At 0830 hours on November 16, 1999, RRI staff arrived on site to continue soil excavation in the area away from utilities and pipelines. At 1400 hours soil excavation outside of utility and pipeline area was completed. Job was shut down because utility lines and pipelines had not been spotted. In addition, the pipeline had not yet been drained as was previously agreed upon. RRI staff left the site at 1530 hours.

At 1300 hours on November 17, 1999, DR of RRI was called upon to provide poly sheeting to the Civil Engineering Squadron as they removed soil in an attempt to expose the ruptured pipe. Arrived on scene, provided the poly sheeting, and conferred with EM, BS, CE and FD. Pulled profile sample from contaminated soil (Sample #9911171400). Subsequent analysis indicated Total Petroleum Hydrocarbons (TPH) of 14,500 Parts per Million (ppm). BTEX analytical indicate Benzene at 1.5 ppm, Ethylbenzene at 20 ppm, Toluene at 9.8 ppm and total Xylenes at 35 ppm. All contaminated soil was covered with poly sheeting. DR left the site at 1500 hours.

At 1230 hours on November 22, 1999, RRI staff returned to the spill site following authorization from Environmental Management personnel. Grossly contaminated soil was placed onto two large piles. A total of 76 cubic yards of soil was excavated and placed onto the two piles. The soil was covered with poly sheeting and left in place for subsequent disposal. RRI staff left the site at 1400 hours.

The contaminated soil was profiled for acceptance at Waste Management's Rio Rancho Land Farm Facility. At 0800 hours on December 03, 1999, DR of RRI met with Sunset Trucking to begin shipment of contaminated soils. In total, 4 trucks each containing 19 cubic yards of soil, for a total of 76 cubic yards of soil was removed from the site. The area was cordoned off to prevent unauthorized access. DR left the site at 1300 hours.

Attached to this report are copies of the profile sheet, shipping manifests and analytical results. Please contact Doug Roshau of RRI at your earliest convenience concerning questions surrounding this report.

ATTACHMENT 1



# ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002  
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

November 22, 1999

Doug Roshau  
Perma-Fix of New Mexico, Inc.  
7928 Ranchitos Loop, NE

Albuquerque, NM 87113  
TEL: (505) 898-2440      FAX: (505) 898-1832

**Work Order:      9911336**  
**Project: Off-Loading Facility Cleanup**

Dear Client:

Anachem, Inc. received 1 sample on 11/19/1999 for the analyses presented in the following report.

The samples were analyzed for the following tests:

BTEX by EPA 8021 - Solid  
TPH by Texas 1005 - Solid

Respectfully Submitted,  
Anachem, Inc.

Howard H. Hayden, B.S.  
Chemist

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned. The use of our name and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar materials.

Anachem, Inc.

Date: 22-Nov-99

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CLIENT:	Perma-Fix of New Mexico, Inc.	Client Sample ID:	991117 1400
Work Order:	9911336	Location:	#2409, Kirtland AFB, NM
Project:	Off-Loading Facility Cleanup	Collection Date:	11/17/99
Lab ID:	9911336-01A	Matrix:	SOIL

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Analyses	Result	Limit	Units	Date Analyzed
BTEX BY EPA 8021 - SOLID		Prep Date		Analyst: AT
Benzene	1.5	0.4	mg/Kg	11/19/99
Ethylbenzene	20	0.5	mg/Kg	11/19/99
Toluene	9.8	0.5	mg/Kg	11/19/99
Xylenes, Total	35	0.5	mg/Kg	11/19/99
TPH BY TEXAS 1005 - SOLID		Prep Date	11/19/99	Analyst: MP
T/R Hydrocarbons: C10-C28	9900	50	mg/Kg	11/19/99
T/R Hydrocarbons: C6-C10	4600	50	mg/Kg	11/19/99
T/R Hydrocarbons: C6-C28	14500	50	mg/Kg	11/19/99

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Qualifiers: ND - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: 22-Nov-99

CLIENT: Perma-Fix of New Mexico, Inc.  
Work Order: 9911336  
Project: Off-Loading Facility Cleanup

## QC SUMMARY REPORT

### TPH by Texas 1005 - Solid

Analyte	SPK value	REC 1	Units: mg/Kg		Analysis Date 11/19/99		
			REC 2	LowLimit	HighLimit	%RPD	RPDLimit
T/R Hydrocarbons: C10-C28	500	100.6%	114.0%	60%	140%	12.5%	30
T/R Hydrocarbons: C6-C10	500	111.8%	112.2%	60%	140%	0.4%	30

### BTEX by EPA 8021 - Solid

Analyte	SPK value	REC 1	Units: mg/Kg		Analysis Date 11/19/99		
			REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	100	108.0%	109.0%	60%	140%	0.9%	30
Ethylbenzene	100	101.0%	103.0%	60%	140%	2.0%	30
Toluene	100	111.0%	112.0%	60%	140%	0.9%	30
Xylenes, Total	300	100.0%	101.0%	60%	140%	1.0%	30



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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

NM9570024423

Manifest Doc. No.

CE001

2. Page 1

of 1

3. Generator's Name and Mailing Address

Kirtland AFB Facility #2409  
2050 Wyoming SE, Albuquerque, NM 87117

4. Generator's Phone

(505) 846-8546 Terry Cooper

5. Transporter 1 Company Name

SUNSET TRUCKING

6.

US EPA ID Number

A. Transporter's Phone

(505) 836-7020

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

WMI/Rio Rancho Landfill  
PO Box 15700  
Rio Rancho, NM 87113

10.

US EPA ID Number

C. Facility's Phone

(505) 892-2055

11. Waste Shipping Name and Description

a. Non-RCRA, Non-Regulated  
TAH Soil

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

CU BK Yd 000.19

D. Additional Descriptions for Materials Listed Above

WMI Profile # C03827

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

In Case of Emergency  
Call Perma-Fix of NM  
(505) 898-2440

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Jackie Carnes

Signature

Jackie Carnes

Month Day Year

12 03 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

...

Signature

...

Month Day Year

12 03 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

Far West Corner Cell # POA DS 53532

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Cynthia Lopez

Signature

Cynthia Lopez

Month Day Year

12 03 99

GENERATOR

TRANSPORTER

FACILITY

Printed on a dot matrix (12-pitch) typewriter.

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

NM9570024423

Manifest Doc. No.

CE002

2. Page 1

of 1

3. Generator's Name and Mailing Address

Kirtland AFB 377ABW/EmV Facility #  
2050 Wyoming SE, Albuquerque, NM 87117 2409

4. Generator's Phone

(505) 846-8546 Terry Cooper

5. Transporter 1 Company Name

SUNSET TRUCKING

6.

US EPA ID Number

A. Transporter's Phone

(505) 836-7020

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

WMI/Rio Rancho Landfill  
PO Box 15700  
Rio Rancho NM 87113

US EPA ID Number

C. Facility's Phone

(505) 892-2055

11. Waste Shipping Name and Description

a. Non-RCRA, Non-Regulated  
TPH Soil

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

cu  
BK Yd

19

D. Additional Descriptions for Materials Listed Above

WMI Profile # C03827

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

In Case of Emergency  
Call Perma-Fix of NM  
(505) 898-2440

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Jackie J Carnes

Signature

Jackie J Carnes

Month Day Year

12 13 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Vergil Mathis

Signature

Vergil Mathis

Month Day Year

12 13 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

Far West Corrosion Cell "D" POA  
Ab 53332

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Cynthia Lopez

Signature

Cynthia Lopez

Month Day Year

12 03 99

GENERATOR  
TRANSPORTER  
FACILITY

Use on site (12-pitch) typewriter.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

NM95700Z44Z3

Manifest Doc. No.

CE.003

2. Page 1

of 1

3. Generator's Name and Mailing Address

377 ABW/EMV Facility #2409  
2050 Wyoming SE  
Kirtland AFB, Albuquerque, NM 87117

4. Generator's Phone

(505) 846-3546 Terry Cooper

5. Transporter 1 Company Name

SUNSET TRUCKING

6.

US EPA ID Number

A. Transporter's Phone

(505) 836-7020

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

WMI/Rio Rancho Landfill  
PO Box 15700  
Rio Rancho NM 87113

10.

US EPA ID Number

C. Facility's Phone

(505) 892-2055

11. Waste Shipping Name and Description

a. Non-RCRA, Non-Regulated  
TPH SOIL

12. Containers  
No. Type

BK Yd CU 0019

13. Total Quantity

14. Unit Wt/Vol

D. Additional Descriptions for Materials Listed Above

WMI Profile # C03827

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

In Case of Emergency  
Call Perma-Fix of NM  
(505) 898-2440

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Jackie J Carnes

Signature

Jackie J Carnes

Month Day Year

11/23/99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Gregory M. [unclear]

Signature

[Signature]

Month Day Year

11/23/99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

for west corner cell "D"

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Cynthia Cooper

Signature

[Signature]

Month Day Year

11/23/99

GENERATOR

TRANSPORTER

FACILITY

Printed for use on 6-line (12-pitch) typewriter.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

NM9570024423

Manifest Doc. No.

CE004

2. Page 1 of 1

3. Generator's Name and Mailing Address

377ABW/EMV Facility #2409  
Kirtland AFB  
2050 Wyoming SE, Albuquerque, NM 87117

4. Generator's Phone (505) 846-8546 Terry Cooper

5. Transporter 1 Company Name

SUNSET TRUCKING

6. US EPA ID Number

A. Transporter's Phone

(505) 836-7020

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

WMI/Rio Rancho Landfill  
PO Box 15700  
Rio Rancho NM 87113

10. US EPA ID Number

C. Facility's Phone

(505) 892-2055

11. Waste Shipping Name and Description

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

a. Non-RCRA, Non-Regulated  
TPH Soil

Cu BKyd 019

GENERATOR

D. Additional Descriptions for Materials listed Above

WMI Profile # C03827

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

In Case of Emergency  
Call Perma-Fix of NM  
(505) 898-2440

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Jackie J. Carnes

Signature

Jackie J. Carnes

Month Day Year

12 3 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Verall Mathis

Signature

Verall Mathis

Month Day Year

12 3 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

FA West Center to (EMV)

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Cynthia Cooper

Signature

Cynthia Cooper

Month Day Year

TRANSPORTER FACILITY

