HAF-B2003

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 49TH FIGHTER WING (ACC)
HOLLOMAN AIR FORCE BASE, NEW MEXICO

19 SEP 2003

MEMORANDUM FOR NEW MEXICO ENVIRONMENT DEPARTMENT
Mr. Cornelius Amindyas
Hazardous Waste Bureau
4131 Montgomery NE
Albuquerque, NM 87109

NM ENVIRONMENT DEPARTMENT
RECEIVED
SEP 22 2003
DISTRICT I OFFICE

FROM: 49 CES/CEV
550 Tabosa Ave
Holloman AFB NM 88330-8458

SUBJECT: Hazardous and Solid Waste Amendments (HSWA) Quarterly Report for Apr – Jun 2003, EPA ID NM6572124422

1. In accordance with Module IV, Section E, of the Holloman AFB HSWA permit, attached please find the Apr – Jun 2003 Quarterly Report.

2. If you have any questions, please contact Mr. Dan Holmquist at (505) 572-5395.

DAVID F. DeMARTINO, Lt Col, USAF
Base Civil Engineer

Attachment:
HSWA Quarterly Report, Apr –Jun 2003

cc (w/Atch):

Ms. Sandra Martin
Hazardous Waste Bureau
2905 Rodeo Park Drive East
Santa Fe, NM 87505-6303

Steve Jetter NMED-HWD
Hazardous Waste Bureau
4131 Montgomery NE
Albuquerque, NM 87109

James Harris
USEPA, Region 6 PD-N, Cube
1445 Ross Ave., Ste 12
Dallas, TX 75202-2733

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Global Power for America

HOLLOMAN AIR FORCE BASE
NEW MEXICO

HAZARDOUS AND SOLID WASTE AMENDMENT

QUARTERLY ACTIVITY REPORT

EPA ID NM6572124422

Activity Period:
April 1 to June 30, 2003

I.0 INTRODUCTION

This quarterly report has been prepared in accordance with the Resource Conservation and Recovery Act (RCRA) Permit and the Hazardous and Solid Waste Amendments (HSWA) Permit for Holloman Air Force Base (HAFB or Holloman). This permit requires periodic reporting of activities related to corrective actions at Solid Waste Management Units (SWMUs) at HAFB.

The report summarizes activities and available data concerning corrective actions at actively remediated SWMUs across HAFB between April 1, 2003 and June 30, 2003. Table 1 briefly summarizes the status of each site undergoing the corrective action process. Table 1 provides the SWMU number, site name, corresponding Environmental Restoration Program (ERP) site number, the status of each site, the activities conducted during the reporting period and the schedule for additional activities (if needed).

Section 2.0 provides the details of specific activities such as soil excavation and sampling performed during this quarter. Figures and tables that provide details of recent activities at the site are presented as attachments. Section 3.0 summarizes planned future activities by site for the next quarter. The report certification statement is presented in Section 4.0

2.0 CORRECTIVE ACTION ACTIVITIES THIS QUARTER

Between April 1 and June 30, 2003, remediation activities were conducted at the Fire Training Area (SWMU 39, 127, 135, 170 & 171) and the Main Base POL Yard (SS-02 and SS-05). In addition, Long Term monitoring (LTM) of groundwater at multiple sites was conducted. Also, A groundwater discharge permit to operate a landfarm at FT-31 to remediate hydrocarbons from petroleum contaminated sites at the Base was submitted to NMED. Further, a Phase II RCRA Facility Investigation (RFI) work plan for SWMU 141 was submitted to NMED for review and comment.

2.1 West POL Yard (Additional Information)

The West POL Yard is a bulk fueling facility designed to service aircraft located on the West Side of HAFB. A leak was detected in the fuel dispensing system that delivers fuel from the tank farm to aircraft fueling trucks. Previous efforts at this site included the excavation of approximately 800 cubic yards of contaminated soil from the area of the fueling dispenser.

No work was conducted at this site during this quarter. However, data from confirmation samples collected along the excavation where additional soil removal was required is now available. Analytical results from soil samples collected from the wall at locations WPOL-EX11A, WPOL-EX12A, and WPOL-EX18 are summarized in Attachment 1.

2.2 Old Fire Training Area FT-31 (SWMUs 39, 127, 135, 170, 171)

This is the site of the old fire training area at HAFB. A bioventing remediation system was operated at this site from approximately 1997 to 2001. The remediation system provided air to the subsurface in order to promote microbial growth. The microbes then consumed the petroleum hydrocarbons attached to the soil.

During this quarter, the north and south excavation areas were completed at the site. The east area had been excavated in December 2002 and was backfilled during the first quarter of this year. Attachment 2 is a map of FT-31 with the excavation locations.

Excavation in the south area began in March 2003 (first quarter). By May 1, 2003, approximately 41 piles of soil had been stockpiled and sampled at FT-31. Attachment 2 is a summary of the analytical results for 41 stockpiles. Soil above action levels was disposed of offsite by Rhino Environmental Services. Attachment 4 is a summary of the manifests and tonnage hauled from FT-31 to the Rhino facility.

Soil samples were collected from the completed walls of the South excavation on April 23, 24, 25, and May 19, 2003 to determine if soil beyond the excavation was below the action levels for petroleum hydrocarbon constituents. Attachment 5 is a map of the excavation wall and the sampling locations. Tabulated results from these samples are presented in Attachment 6. Soil samples were taken just above the water table and halfway up the side of each wall at approximately 30-foot intervals. Attachment 5 is a summary table of the analytical results for these samples. The area surrounding sample FT3EX02-4 was excavated further when the access ramp was removed. Additional samples were taken in this area and the excavation was determined to be complete.

The North area of the landfarm required further excavation. Previously, excavation and sampling had been performed in this area in 2002. However, analytical results from samples collected in 2002 revealed areas requiring more excavation. This excavation began on approximately June 19, 2003.

2.3 Main Base POL Yard (SS-02 and SS-05)

During May 2003, excavation of petroleum contaminated soil was performed at the Main Base POL Yard sites SS-02/05. A limited excavation was performed to remove contaminated soil in the immediate proximity of new construction. In order to determine the completeness of contaminated soil removal, soil samples were collected from the sidewalls of the excavation at approximately 1 foot and 7 feet above the water table. Attachment 7 is a map of the excavated area and soil sampling locations. Attachment 8 is a table summarizing the analytical results of soil samples collected from the excavation walls. Petroleum hydrocarbons are still present at concentrations greater than action levels on the north side of the excavation. Additional remediation is planed for this site in 2004.

2.4 LTM Groundwater Sampling (Multiple Sites)

LTM groundwater monitoring and quarterly total dissolved solids (TDS) monitoring were conducted at sites across Holloman AFB. The sampling was conducted between April 15 and June 19, 2003 at various sites. Attachment 9 is a table summarizing the wells sampled at each site and which wells were analyzed for TDS.

2.5 Landfarm at FT-31

A groundwater discharge application to operate a petroleum contaminated soil landfarm was prepared during June 2003. The application is for the operation of an approximately 8,000 cubic yard facility. A temporary approval to operate the facility is expected in Quarter 3 of 2003. The landfarm will be used to treat soil from sites across the Base. Note: Temporary approval of the landfarm was granted by NMED during the preparation of this report.

2.6 Phase II RFI Workplan at SWMU 141

On April 15, 2003 a draft phase II RFI Workplan at SWMU 141 was submitted to NMED for comment. NMED provided comments on the workplan during this quarter. The draft final workplan will be submitted during Quarter 3 of 2003.

3.0 ACTIVITES FOR SCHEDULED FOR THE NEXT QUARTER

Activities for the next quarter (Second Quarter, April 1 to June 30, 2003) will include:

1. Remediation at the BX Service Station (SS-17)
2. Construction and operation of the Landfarm at FT-31

3. Preparation of work plans for T-38 and Ritas Draw

4.0 CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Daniel K. Holmquist
Name

49 CES/CEVR
Organization

Remedial Project Manager
Position

_____
Signature/Date

TABLES

TABLE 1
QUARTER 1, 2003 STATUS SUMMARY
(JANUARY 1 TO MARCH 31, 2003)
ONGOING CORRECTION ACTION SITES
HOLLOMAN AIR FORCE BASE, NEW MEXICO

SWMU NO.	SITE NAME	SITE STATUS	ACTIVITES CONDUCTED (THIS PERIOD)	SCHEDULED ACTIVITIES
39,127,135, 170 & 171	Fire Training Area (ERP Site FT-31)	Undergoing Corrective Action	Transportation and disposal of TPH contaminated soil excavated during Q4 (Oct-Dec) 2002. Performed initial test pit excavation and sample analysis to determine the extent of the larger excavation. Additional details documenting these activities are presented in Section 3.0.	Continue to excavate, transport and dispose (offsite) of contaminated soil.
123	Building 704 Waste Oil Tank (ERP Site N/A)	Undergoing Corrective Action	None, awaiting comments from NMED concerning revised work plan submitted in Q3 2002. NMED has stated that Q3 2002 revised work plan will need revision. Anticipate receipt of comments by Q3 2003.	Prepare a revised work plan based upon NMED comments.
133	POL Yard Release (ERP Site SD-47)	Corrective Action Complete	None. Corrective action at the site was completed in Jan 1998.	Petition to remove site from RCRA Permit (Q4 2003).
136	King 1 Bio Vent Site (ERP Site)	Corrective Action Complete	Additional excavation and test pit sampling requested by NMED was conducted at the site. Results indicate that corrective action is complete.	Submit documentation of sampling and remediation completeness. Request NFA status for site. Petition to remove site from RCRA Permit (Q4 2003).
139 & 140	Lake Holloman (139) Lake Stinky (140)	Corrective Action Complete	None	Petition to remove the site from RCRA Permit (Q4 2003).
141	Pad 9 Washrack ERP Site	Site Requires Additional Characterization	A meeting with NMED was held on March 3, 2003 to develop the scope of work for additional characterization.	Submit the work plan for additional characterization (RFI) by April 15, 2003.

SWMU NO.	SITE NAME	SITE STATUS	ACTIVITES CONDUCTED (THIS PERIOD)	SCHEDULED ACTIVITIES
148 to 154	Holloman Sewage Lagoons	Corrective Action Complete	None	Petition to remove the site from RCRA Permit (Q4 2003). Routine inspection and maintenance to fences and roads planned for Q4 2003.
229	T-38 Test Cell (ERP Site SS-59)	Undergoing Corrective Action	None	Submit work plan for excavation and removal of soil during Q3 2003. Excavation and disposal of impacted soil planned for Q4 2003.
AOC-2	North Tower Site	Recently Discovered	A meeting with NMED was held on March 3, 2003 to develop the scope of work for additional characterization of this suspected leach field.	Submit the work plan for additional characterization by Q3.
AOC-Q	BX Service Station (ERP Site SS-17)	Undergoing Corrective Action	None	Excavation and soil disposal planned for July 2003.
AOC-T	Main POL Spill (EPR Sites SS-02 and SS-05)	Undergoing Corrective Action	None	Work plans for additional excavation of contaminated soil is planed for Q3 2003.
AOC-V	Officer's Club (EPR Site SS-57)	Undergoing Corrective Action	Data from investigations and remediation was examined to determine if a risk based approach to the final remediation activity is possible.	Presentation of the risk assessment review and additional data needs is planned for Q3 2003.

SWMU NO.	SITE NAME	SITE STATUS	ACTIVITES CONDUCTED (THIS PERIOD)	SCHEDULED ACTIVITIES
AOC-1	Chemical Agent Site (ERP Site DP-64)	Undergoing Corrective Action Preliminary Grid walk and visual site inspection for additional exposed agent conducted in FY 2000.	None. Awaiting approval of stringent Site Safety and Health Plan and funding for US Army support personnel.	Additional on-site investigations and actions await final approval of work plans and health and safety procedures. Work scheduled for FY04
AOC-3	Ammunition Disposal Site (ERP Site DP-63)	Undergoing Corrective Action PA/SI Completed 2000	Draft Report Submitted by USACE was reviewed by HAFB	Awaiting comments from NMED concerning Final Report. Anticipate removal, treatment and disposal of soil in 2004
AOC-4	West POL Fuel Spill Site	Corrective Action Complete	Disposal of 800 cubic yards of excavated soil stockpiled at the site.	Preparation of a letter work plan to assess the extent of impacted soil beneath the SW corner of the tank farm basin. Submitted to NMED by Q3 2003.
AOC-1001	Building 1001 (ERP Site SS-61)	Undergoing Corrective Action	A meeting with NMED was held on March 3, 2003 to develop the scope of work for this site. Additional characterization (quarterly monitoring) will be required for the Feasibility Study. This work will consist of several rounds of quarterly monitoring at a subset of the site wells to determine plume stability.	Submit Feasibility Work Plan by end of Q3.

LIST OF ATTACHMENTS

1. Additional Soil analytical results from the West POL Yard Excavation
2. Map of FT-31 delineating the extent of the North, South and East excavations.
3. Table of analytical results from stockpiled soil at FT-31.
4. Summary Tables of manifests, weights and trucks hauling soil to Rhino Environmental for offsite disposal.
5. Map of the extent of the South Excavation at FT-31 including sampling locations.
6. Table of analytical results from excavation sidewall soil samples at FT-31.
7. Site map of Main POL Yard sites SS02/05 and excavation sidewall sample locations.
8. Table of analytical results from excavation sidewall soil samples at Sites SS-02/05.
9. Summary table of LTM sites and monitoring wells.
10. Title page from the discharge application to operate the landfarm at FT-31.

Soil Concentrations for WPOL Soil Samples

Date Sampled: Dec. 16, 2002

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples			SSL (μg/kg)	
	WPOL-EX11A	WPOL-EX12A	WPOL-EX18A	Residential	Commercial
Carbon Chain (μg/kg)					
C06 - C10	<20,000	<20,000	<20,000	NA	NA
C10 - C22	<30,000	<30,000	<30,000		
C22 - C32	<50,000	<50,000	<50,000		
Total (C10 - C32)	<40,000	<40,000	<40,000	893,333	2,233,333
VOCs (μg/kg)					
1,2,4-Trimethylbenzene	<5	<5	<500	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<500	2.56E+04	6.91E+04*
Benzene	<5	<5	<500	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<500	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<500	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<500	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<500	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<500	6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<500	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<500	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<500	6.05E+04*	6.05E+04*
Toluene	<5	<5	<500	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<500	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<999	<999	<999	1.71E+05*	1.71E+05*
Diethylphthalate	<999	<999	<999	4.32E+05*	4.32E+05*

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

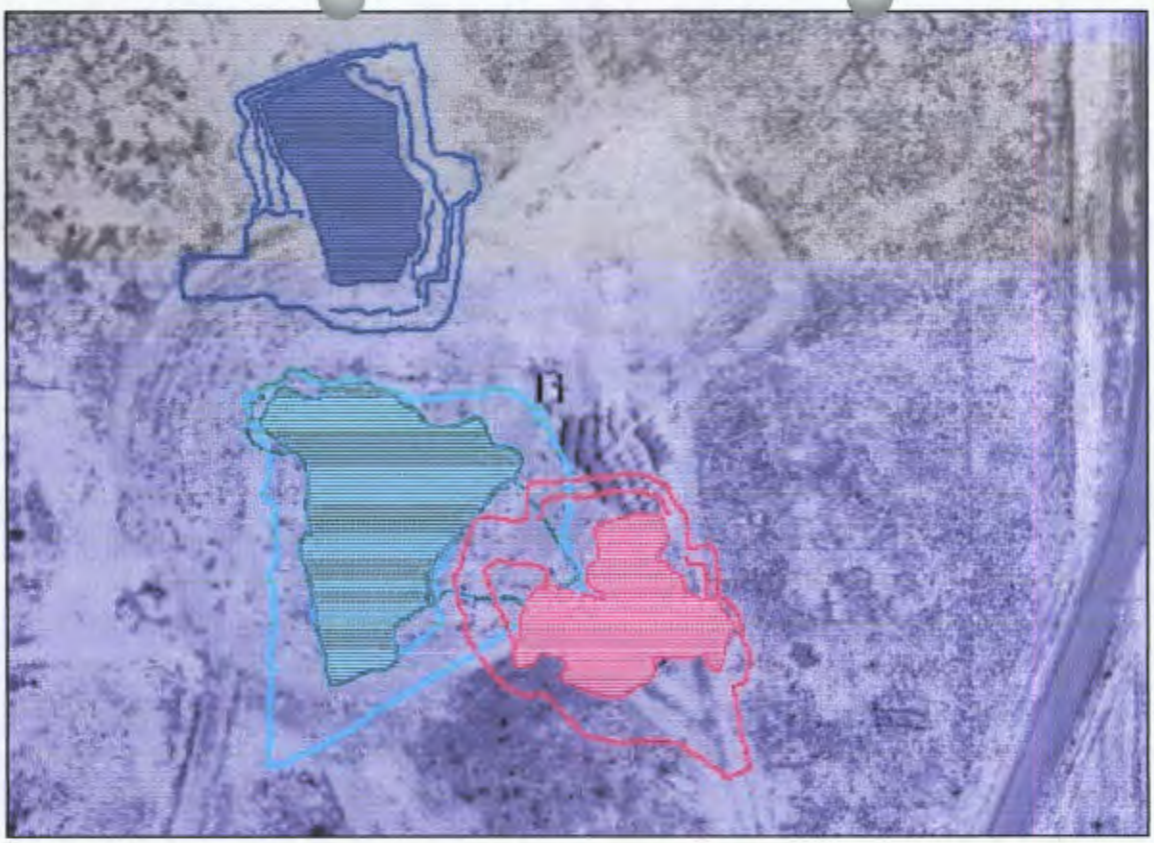
C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

ATTACHMENT 1.



0 200 400 Feet

OUTER BENCHED AREA (North)

Excavated to Groundwater (North)

OUTER BENCHED AREA (South)

Excavated to Groundwater (South)

OUTER BENCHED AREA (East)

Excavated to Groundwater (East)

SITE FT-31
HOLLOMAN AFB, NM
Excavation Areas

ATTACHMENT 2

Soil Concentrations for Samples from FT31-SP01 to FT31-SP11

Date Sampled: Mar. 27, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemicals	Samples											SSL (μg/kg)	
	FT31-SP01	FT31-SP02	FT31-SP03	FT31-SP04	FT31-SP05	FT31-SP06	FT31-SP07	FT31-SP08	FT31-SP09	FT31-SP10	FT31-SP11	Residential	Commercial
Carbon Chain (μg/kg)													
C06 - C10	102,761	<3,000	51,381	21,019	5,839	54,884	<120,000	910,839	371,342	263,910	566,355	NA	NA
C10 - C22	420,387	353,826	263,910	263,910	521,981	572,194	832,600	794,065	957,548	622,406	685,465		
C22 - C32	30,361	17,516	<5,000	<5,000	6,539	<5,000	<5,000	15,181	5,955	6,423	<5,000		
Total (C10 - C32)	450,748	371,342	266,410	266,410	528,520	574,694	835,100	809,245	963,504	628,829	687,965	893,333	2,233,333
VOCs (μg/kg)													
1,2,4-Trimethylbenzene	12	6	91	30	39	119	121	723	378	326	272	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	63	18	63	29	29	158	105	689	251	239	343	2.56E+04	6.91E+04*
Ethylbenzene	<5	<5	<5	<5	3.9 J	<5	<5	89	74	74	16	8.62E+04*	8.62E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	13	8	278	42	44	25	2.42E+05	3.69E+05*
n-Buthylbenzene	13	8	278	42	44	25	88	160	126	114	142	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	4.4 J	3	5.5 J	18	20	438	61	54	40	6.98E+04*	6.98E+04*
Naphthalene[1]	12	<5	61 (215 J)	25	35	90	89 (371)	37 (388 J)	178 (387 J)	110 (166 J)	135 (556 J)	6.45E+04	2.18E+05
p-Isopropyltoluene	50	16	48	22	27	83	81	130	125	111	154	6.11E+06	6.16E+07
sec-Butylbenzene	<5	<5	<5	<5	14	27	41	304	57	47	46	4.92E+05	1.80E+06
Xylenes, total	20	8	29	10	15	95	13	278	293	328	96	1.47E+03	2.54E+03
2-Methylnaphthalene	769 J	626 J	1133 J	773 J	673 J	1,378	2,966	3,865	3,421	1,845	3,527	1.71E+05*	1.71E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

1: Values in ( ) are results by Method 8270C.

* Saturated concentration were used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

PAGE 1 OF 5

ATTACHMENT 3

Soil Concentrations for Samples from FT31-SP12 to FT31-SP15

Date Sampled: Apr. 1, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemicals	Samples				SSL (μg/kg)	
	FP31-SP12	FP31-SP13	FT31-SP14	FT31-SP15	Residential	Commercial
Carbon Chain (μg/kg)						
C06 - C10	237,052	565,187	741,516	<3,000	NA	NA
C10 - C22	537,161	464,761	1,015,935	7,941		
C22 - C32	<50,000	<50,000	<5,000	25,740		
Total (C10 - C32)	539,661	467,261	1,018,435	33,681	893,333	2,233,333
VOCs (μg/kg)						
1,2,4-Trimethylbenzene	1,740	3,959	2,359	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	1,611	1,822	2,172	<5	2.56E+04	6.91E+04*
Ethylbenzene	<900	353 J	<475	<5	8.62E+04*	8.62E+04*
Isopropylbenzene	<900	<550	<475	<5	2.42E+05	3.69E+05*
n-Buthylbenzene	<900	1,168	2,020	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<900	263	684	<5	6.98E+04*	6.98E+04*
Naphthalene[1]	1,390	2,165 (135 J)	1,069 (479 J)	<5	6.45E+04	2.18E+05
p-Isopropyltoluene	1,179	1,158	1,798	<5	6.11E+06	6.16E+07
sec-Butylbenzene	<900	<550	1,057	<5	4.92E+05	1.80E+06
Xylenes, total	1,019	2,312	338 J	<5	1.47E+03	2.54E+03
2-Methylnaphthalene	1,495	792 J	5,080	<999	1.71E+05*	1.71E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

1: Values in ( ) are results by Method 8270C.

* Saturated concentration were used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

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ATTACHMENT 3

Soil Concentrations for FT31 Soil Samples

Date Sampled: May 1, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples							SSL (µg/kg)	
	FT31-SP35	FT31-SP36	FT31-SP37	FT31-SP38	FT31-SP39	FT31-SP40	FT31-SP41	Residential	Commercial
Carbon Chain (µg/kg)									
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	12,845	7,357	NA	NA
C10 - C22	<3,000	15,181	5,138	<3,000	9,809	54,884	29,194		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	18,100	8,057	<4,000	12,728	57,803	32,113	893,333	2,233,333
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	2.56E+04	6.91E+04*
Benzene	<5	<5	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	2,803	3,433	991	<333	<333	<333	4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

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* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w \left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

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ATTACHMENT 3

Soil Concentrations for FT31 Soil Samples

Date Sampled: May 1, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples									SSL (µg/kg)	
	FT31-SP26	FT31-SP27	FT31-SP28	FT31-SP29	FT31-SP30	FT31-SP31	FT31-SP32	FT31-SP33	FT31-SP34	Residential	Commercial
Carbon Chain (µg/kg)											
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	16,348	<3,000	NA	NA
C10 - C22	<3,000	3,854	<3,000	<3,000	16,348	21,019	<3,000	93,419	6,890		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	6,773	<4,000	<4,000	19,268	23,939	<4,000	96,339	9,809	893,333	2,233,333
VOCs (µg/kg)											
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	15	<5	2.56E+04	6.91E+04*
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	20	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	5,185	2,476	1,168	1,425	<333	4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

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ATTACHMENT 3

Soil Concentrations for FT31 Soil Samples
Date Sampled: June 19, 2003
(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples							SSL (µg/kg)	
	FT31-SP42	FT31-SP43	FT31-SP44	FT31-SP45	FT31-SP46			Residential	Commercial
Carbon Chain (µg/kg)									
C06 - C10	<3,000	49,045	<3,000	161,148	55,117			NA	NA
C10 - C22	77,071	96,923	53,716	284,929	597,884				
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000				
Total (C10 - C32)	79,990	99,842	56,635	287,848	600,803			893,333	2,233,333
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	<5	<5	<5	<5	72			5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	96	16	40	146	199			2.56E+04	6.91E+04*
4-Methyl-2-Pentanone	<5	<5	<5	<5	<5			1.92E+06	7.00E+06*
Acetone	<5	<5	<5	<5	<5			2.84E+06	1.35E+07
Benzene	<5	<5	<5	<5	<5			1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5			8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5			2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5			3.41E+03	1.79E+04
n-Buthylbenzene	105	22	54	130	153			6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	16			6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5			6.12E+04*	6.12E+04*
p-Isopropyltoluene	72	15	18	92	95			6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5			6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5			2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	79			8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333			1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	<333			4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1+\frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis
C_w = concentrations on wet-wt. basis
θ_w = water content (0.26 g/cm^3-soil)
ρ_b = bulk density of soil (1.55 g/cm^3)

ATTACHMENT 3
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SUMMARY OF SOIL HAULED FOR DISPOSAL AT FT-31

	Manifest #	Date	Time	Truck No#	Weight ticket #	Truck Tare (lbs)	Total Weight (lbs)	Tons of Soil	Total Cumulative (Tons)
1	R-001	April 3, 2003	900	5502	19284	33120	79760	23.32	23.32
2	R-002	April 3, 2003	900	505	19283	33140	76480	21.67	44.99
3	R-003	April 3, 2003	1220	505	19286	33140	75020	20.94	65.93
4	R-006	April 3, 2003	1400	5502	19290	33120	82390	24.64	90.57
5	D-003	April 4, 2003	1145	212	19294	33500	68920	17.71	108.28
6	D-002	April 4, 2003	?	210	19281	33570	84210	25.32	133.60
7	D-001	April 4, 2003	825	212	19291	33500	80070	23.29	156.88
8	R-004	April 4, 2003	1300	5502	19287	33120	82230	24.56	181.44
9	R-005	April 4, 2003	1315	505	19289	33140	77970	22.42	203.85
10	R-007	April 4, 2003	825	505	19293	33140	71970	19.42	223.27
11	R-008	April 4, 2003	825	5502	19292	33120	74640	20.76	244.03
12	R-009	April 4, 2003	1145	5502	19295	33120	65970	16.43	260.45
13	R-010	April 4, 2003	1145	505	19296	33140	69080	17.97	278.42
14	D-004	April 4, 2003	1520	212	19297	33500	73890	20.20	298.62
15	R-011	April 4, 2003	1220	505	19298	33140	72770	19.82	318.43
16	R-012	April 4, 2003	1520	5502	19299	33120	74890	20.89	339.32
17	R-013	April 7, 2003	800	5502	19301	33120	76720	21.80	361.12
18	R-014	April 7, 2003	810	505	19302	33140	73060	19.96	381.08
19	D-005	April 7, 2003	800	210	19300	33570	75050	20.74	401.82
20	R-015	April 7, 2003	1127	505	19304	33140	73530	20.20	422.01
21	D-012	April 7, 2003	1130	210	19303	33570	72510	19.47	441.48
22	D-006	April 7, 2003	730	210	19309	33500	81040	23.77	465.25
23	D-013	April 7, 2003	1520	210	19303	33500	72510	19.51	484.76
24	R-016	April 8, 2003	1515	505	19305	33140	69930	18.40	503.15
25	R-017	April 8, 2003	715	505	19307	33140	76840	21.85	525.00
26	R-018	April 8, 2003	730	5502	19308	33120	81880	24.38	549.38
27	R-019	April 8, 2003	1100	505	19311	33140	70460	18.66	568.04
28	D-007	April 8, 2003	1045	210	19313	33500	68500	17.50	585.54
29	R-020	April 8, 2003	1105	5502	19312	33120	71590	19.24	604.78
30	D-008	April 8, 2003	1420	210	19315	33500	66910	16.71	621.48
31	R-021	April 8, 2003	1415	505	19314	33140	76860	21.86	643.34
32	D-014	April 8, 2003	730	210	19324	33500	78230	22.37	665.71
33	R-023	April 9, 2003	930	505	19318	33140	72750	19.81	685.51
34	D-040	April 9, 2003	1135	210	19319	33500	80400	23.45	708.96
35	D-015	April 9, 2003	810	212	19320	33500	79160	22.83	731.79
36	R-024	April 9, 2003	1110	505	19321	33140	72340	19.60	751.39
37	R-022	April 9, 2003	1425	5502	19316	33120	76910	21.90	773.29
38	D-016	April 9, 2003	1135	212	19323	35000	77280	21.14	794.43
39	R-025	April 9, 2003	1330	505	19325	33140	74340	20.60	815.03
40	D-029	April 9, 2003	1431	210	19322	33500	77690	22.10	837.12
41	D-030	April 9, 2003	1430	212	19327	33500	78580	22.54	859.66
42	D-039	April 11, 2003	1435	210	19326	33500	74200	20.35	880.01
43	R043	April 11, 2003	1510	5502	19338	33120	74510	20.70	900.71
44	D-034	April 11, 2003	1125	212	19347	35000	80600	22.80	923.51
45	R-026	April 11, 2003	700	505	19332	33140	71170	19.02	942.52
46	R-027	April 11, 2003	820	5502	19333	33120	77690	22.29	964.81
47	D-031	April 11, 2003	700	212	19330	33500	74580	20.54	985.35
48	D-032	April 11, 2003	700	210	19331	33500	71810	19.16	1004.50
49	D-033	April 11, 2003	1125	210	19335	33500	73170	19.84	1024.34
50	R-028	April 11, 2003	1130	5502	19336	33120	70150	18.52	1042.85
51	JLG-01	April 14, 2003	1145	414	19349	32400	71610	19.61	1062.46
52	JLG-02	April 14, 2003	1145	693	19350	38410	78270	19.93	1082.39
53	D-036	April 14, 2003	730	212	19342	35000	73060	19.03	1101.42
54	JLG-12	April 14, 2003	745	693	19340	37500	80710	21.61	1123.02
55	JLG-11	April 14, 2003	645	414	19341	33500	76310	21.41	1144.43
56	D-035	April 14, 2003	730	210	19343	33500	73220	19.86	1164.29
57	D-038	April 14, 2003	1145	210	19348	33500	68870	17.69	1181.97
58	R-029	April 14, 2003	1100	505	19346	33140	71610	19.24	1201.21
59	R-041	April 14, 2003	1130	505	19337	33140	69680	18.27	1219.48
60	D-037	April 14, 2003	1145	212	19342	35000	73060	19.03	1238.51
61	JLG-04	April 14, 2003	1510	414	19354	32400	70570	19.09	1257.59
62	JLG-03	April 14, 2003	1510	693	19355	38410	77010	19.30	1276.89
63	D-010	April 14, 2003	1500	210	19353	33500	72640	19.57	1296.46
64	R-030	April 14, 2003	1430	505	19351	33140	73280	20.07	1316.53
65	D-009	April 14, 2003	1500	212	19375	33500	74990	20.75	1337.28
66	D-018	April 14, 2003	1110	210	19374	33500	73630	20.07	1357.34
67	JLG-09	April 14, 2003	1045	414	19370	32400	72410	20.01	1377.35
68	D-022	April 14, 2003	735	212	19389	33650	77060	21.71	1399.05
69	JLG-08	April 15, 2003	1045	693	19371	38410	79880	20.74	1419.79
70	R-033	April 15, 2003	1100	5502	19372	33120	74280	20.58	1440.37
71	JLG-10	April 15, 2003	1145	8	19375	32040	73090	20.53	1460.89
72	R-034	April 15, 2003	1100	505	19373	33140	73620	20.24	1481.13
73	D-017	April 15, 2003	745	212	19362	35000	70860	17.93	1499.06
74	R-031	April 15, 2003	745	5502	19360	33120	73170	20.03	1519.09
75	JLG-07	April 15, 2003	745	5502	19363	32040	72140	20.05	1539.14
76	JLG-05	April 15, 2003	700	693	19357	38400	78530	20.07	1559.20
77	R-032	April 15, 2003	745	505	19359	33140	70730	18.80	1578.00
78	JLG--06	April 15, 2003	700	414	19358	32400	73150	20.38	1598.37
79	D-011	April 15, 2003	740	210	19361	33500	69260	17.88	1616.25
80	D-019	April 15, 2003	1110	212	19352	35000	72150	18.58	1634.83
81	JLG-26	April 15, 2003	1425	414	19381	32400	73680	20.64	1655.47
82	R-036	April 15, 2003	1425	505	19382	33140	73180	20.02	1675.49
83	JLG-25	April 15, 2003	1420	693	19379	38400	77910	19.76	1695.24
84	JLG-27	April 15, 2003	1500	8	19386	32040	69910	18.94	1714.18
85	JLG-07	April 15, 2003	745	8	19363	32040	72140	20.05	1734.23

ATTACHMENT 4
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SUMMARY OF SOIL HAULED FOR DISPOSAL AT FT-31

	Manifest #	Date	Time	Truck No#	Weight ticket #	Truck Tare (lbs)	Total Weight (lbs)	Tons of Soil	Daily Cumulative (Tons)	Total Cumulative (Tons)
1	R-001	April 3, 2003	900	5502	19284	33120	79760	23.32	23.32	23.32
670	G-026	June 12, 2003	625	15	20137	31550	76910	22.68	22.68	14066.35
671	G-027	June 12, 2003	630	14	20115	33230	71230	19.00	41.68	14085.35
672	D-235	June 12, 2003	645	216	20117	33500	72400	19.45	61.13	14104.80
673	JLG-285	June 12, 2003	700	751	20114	31780	76930	22.58	83.71	14127.38
674	G-028	June 12, 2003	700	J3	20113	32150	75330	21.59	105.30	14148.97
675	JLG-286	June 12, 2003	700	693	20112	38410	82240	21.92	127.21	14170.88
676	G-029	June 12, 2003	705	4	20109	36470	78270	20.90	148.11	14191.78
677	G-030	June 12, 2003	705	35	20110	35720	77830	21.06	169.17	14212.84
678	JLG-287	June 12, 2003	708	414	20145	31870	58970	13.55	182.72	14226.39
679	JLG-288	June 12, 2003	709	8	20147	32040	69000	18.48	201.20	14244.87
680	D-236	June 12, 2003	725	210	NA	33500	76120	21.31	222.51	14266.18
681	D-237	June 12, 2003	735	215	NA	33000	78280	22.64	245.15	14288.82
682	R-164	June 12, 2003	735	5502	20103	33120	74320	20.60	265.75	14309.42
683	JLG-289	June 12, 2003	745	415	20107	32400	78610	23.11	288.85	14332.52
684	G-031	June 12, 2003	830	11	20125	32670	74840	21.09	309.94	14353.61
685	D-238	June 12, 2003	1015	210	20120	33500	71650	19.08	329.01	14372.68
686	D-239	June 12, 2003	1020	215	20121	33000	82590	24.80	353.81	14397.48
687	JLG-290	June 12, 2003	1035	751	19993	31780	78950	23.59	377.39	14421.06
688	G-032	June 12, 2003	1040	15	20122	31550	74940	21.70	399.09	14442.76
689	G-033	June 12, 2003	1040	14	20123	33230	79370	23.07	422.16	14465.83
690	JLG-291	June 12, 2003	1055	693	20140	38410	73910	17.75	439.91	14483.58
691	G-034	June 12, 2003	1100	J3	20124	32150	79250	23.55	463.46	14507.13
692	G-036	June 12, 2003	1105	11	20138	32670	71900	19.62	483.07	14526.74
693	G-035	June 12, 2003	1105	35	20126	35720	76640	20.46	503.53	14547.20
694	G-037	June 12, 2003	1105	4	20128	36470	79390	21.46	524.99	14568.66
695	JLG-292	June 12, 2003	1110	415	20129	32400	77590	22.60	547.59	14591.26
696	D-240	June 12, 2003	1110	216	20127	33500	79490	23.00	570.58	14614.25
697	JLG-293	June 12, 2003	1115	414	20111	31870	72610	20.37	590.95	14634.62
698	R-165	June 12, 2003	1137	5502	20131	33120	76690	21.79	612.74	14656.41
699	JLG-294	June 12, 2003	1200	8	20108	32040	67000	17.48	630.22	14673.89
700	D-241	June 12, 2003	1315	210	20134	33500	75960	21.23	651.45	14695.12
701	D-242	June 12, 2003	1315	215	20135	33000	79450	23.23	674.67	14718.34
702	JLG-295	June 12, 2003	1330	751	20136	31780	76480	22.35	697.02	14740.69
703	G-038	June 12, 2003	1335	15	20118	31550	70280	19.37	716.39	14760.06
704	G-040	June 12, 2003	1345	14	20139	33230	72710	19.74	736.13	14779.80
705	G-039	June 12, 2003	1345	11	20119	32670	79470	23.40	759.53	14803.20
706	JLG-296	June 12, 2003	1355	693	20116	38410	82570	22.08	781.61	14825.28
707	G-041	June 12, 2003	1410	35	20144	35720	69970	17.13	798.73	14842.40
708	G-042	June 12, 2003	1410	J3	20143	32150	68120	17.99	816.72	14860.39
709	JLG-297	June 12, 2003	1420	415	20142	32400	70690	19.15	835.86	14879.53
710	JLG-298	June 12, 2003	1440	214	20130	31870	75370	21.75	857.61	14901.28
711	D-243	June 12, 2003	1500	216	20146	33500	70830	18.67	876.28	14919.95
712	G-043	June 12, 2003	1510	4	20148	36470	79850	21.69	897.97	14941.64
713	JLG-299	June 12, 2003	1510	8	20132	32040	65450	16.71	914.67	14958.34
714	R-166	June 12, 2003	1545	505	20149	33120	68590	17.74	932.41	14976.08
715	G-044	June 12, 2003	1640	11	20138	32670	71900	19.62	952.02	14995.69
								18129.82		

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FT-31 EXCAVATION SAMPLING LOCATIONS

ATTACHMENT 5

Soil Concentrations for FT31 Soil Samples

Date Sampled: Apr. 23~24, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (μg/kg)	
	FT31EX01-1	FT31EX02-4	FT31EX03-4	FT31EX04-2	FT31EX05-1	FT31EX06-1	FT31EX07-1	FT31EX08-1	FT31EX09-1	FT31EX10-2	Residential	Commercial
Carbon Chain (μg/kg)												
C06 - C10	<3,000	10,276,129	133,123	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	NA	NA
C10 - C22	<3,000	4,554,194	94,587	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000		
C22 - C32	<5,000	<500,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	**4,846,129**	97,506	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	893,333	2,233,333
VOCs (μg/kg)												
1,2,4-Trimethylbenzene	<5	244	19	3.6 J	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	192	9	<5	<5	<5	<5	<5	<5	<5	2.56E+04	6.91E+04*
Benzene	<5	<500	<5	23	5.1 J	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<500	<5	1.9 J	<5	<5	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<500	13	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<500	3.2 J	1.2 J	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	<5	<500	22	11	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	863	7.8	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	195 J	<5	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	4.32E+05*	4.32E+05*

ATTACHMENT 6

Soil Concentrations for FT31 Soil Samples

Date Sampled: Apr. 23~24, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (μg/kg)	
	FT31EX21-3	FT31EX22-1	FT31EXBTM	FT31EXQC	FT31EX09-D	FT31EX20-D					Residential	Commercial
Carbon Chain (μg/kg)												
C06 - C10	326,968	<3,000	6,702,839	7,240,000	<3,000	<3,000					NA	NA
C10 - C22	145,968	<3,000	1,144,387	2,382,194	<3,000	<3,000						
C22 - C32	<50,000	<5,000	<50,000	<500,000	<5,000	<5,000						
Total (C10 - C32)	175,161	<4,000	**1,173,581**	**2,674,129**	<4,000	<4,000					893,333	2,233,333
VOCs (μg/kg)												
1,2,4-Trimethylbenzene	695	8	NA	NA	<5	<5					5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	423 J	2.2 J	NA	NA	<5	<5					2.56E+04	6.91E+04*
Benzene	<500	152	NA	NA	<5	<5					1.12E+04	2.45E+04
Ethylbenzene	<500	48	NA	NA	<5	<5					8.66E+04*	8.66E+04*
Isopropylbenzene	<500	2.3 J	NA	NA	<5	<5					2.65E+05	3.69E+05*
Methacrylonitrile	<500	<5	NA	NA	<5	<5					3.41E+03	1.79E+04
n-Buthylbenzene	<500	<5	NA	NA	<5	<5					6.21E+04*	6.21E+04*
n-Propylbenzene	<500	2	NA	NA	<5	<5					6.21E+04*	6.21E+04*
Naphthalene	<500	<5	NA	NA	<5	<5					6.12E+04*	6.12E+04*
p-Isopropyltoluene	243 J	<5	NA	NA	<5	<5					6.30E+04*	6.30E+04*
sec-Butylbenzene	<500	<5	NA	NA	<5	<5					6.05E+04*	6.05E+04*
Toluene	<500	2.5 J	NA	NA	<5	<5					2.19E+05*	2.19E+05*
Xylenes, total	<500	72	NA	NA	<5	<5					8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	NA	NA	<333	<333					1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	NA	NA	<333	<333					4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w \left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

ATTACHMENT 6

Soil Concentrations for FT31 Soil Samples

Date Sampled: Apr. 23~24, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (µg/kg)	
	FT31EX11-1	FT31EX12-4	FT31EX13-1	FT31EX14-1	FT31EX15-3	FT31EX16-2	FT31EX17-2	FT31EX18-1	FT31EX19-2	FT31EX20-1	Residential	Commercial
Carbon Chain (µg/kg)												
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	5,255	<3,000	<3,000	<3,000		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	8,174	<4,000	<4,000	<4,000	893,333	2,233,333
VOCs (µg/kg)												
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.56E+04	6.91E+04*
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	4.32E+05*	4.32E+05*

ATTACHMENT 6

Soil Concentrations for FT31 Soil Samples

Date Sampled: Apr. 25, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (µg/kg)	
	FT31EX02-1	FT31EX03-1	FT31EX04-1	FT31EX12-1	FT31EX15-1	FT31EX16-1	FT31EX17-1	FT31EX19-1	FT31EX19-D	FT31EX21-1	Residential	Commercial
Carbon Chain (µg/kg)												
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	893,333	2,233,333
VOCs (µg/kg)												
1,2,4-Trimethylbenzene	<5	6.2	<5	<5	<5	<5	<5	<5	<5	9.0	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	2.57 J	<5	<5	<5	<5	<5	<5	<5	3.4 J	2.56E+04	6.91E+04*
Benzene	<5	11	75	<5	<5	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	14	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.1 J	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	3.5 J	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.9	6.21E+04*	6.21E+04*
Naphthalene	<5	10	11	<5	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	19	<5	<5	<5	<5	<5	<5	<5	39	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w \left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

ATTACHMENT 6

Soil Concentrations for FT31 Soil Samples

Date Sampled: May 19, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (µg/kg)	
	FT31EX01-9	FT31EX01-17	FT31EX02-9	FT31EX02-17	FT31EX03-9	FT31EX03-17	FT31EX23-1	FT31EX24-1	FT31EX25-1	FT31EX26-1	Residential	Commercial
Carbon Chain (µg/kg)												
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	NA	NA
C10 - C22	<3,000	4,788	<3,000	5,955	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	7,707	<4,000	8,875	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	893,333	2,233,333
OCs (µg/kg)												
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.56E+04	6.91E+04*
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	2,219	2,277	<333	2,067	4,659	<333	369 J	941	<333	<333	4.32E+05*	4.32E+05*

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ATTACHMENT 6

Soil Concentrations for FT31 Soil Samples

Date Sampled: May 19, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (µg/kg)	
	FT31EX27-9	FT31EX28-9	FT31EX29-17								Residential	Commercial
Carbon Chain (µg/kg)												
C06 - C10	<3,000	<3,000	3,737								NA	NA
C10 - C22	<3,000	<3,000	<3,000									
C22 - C32	<5,000	<5,000	<5,000									
Total (C10 - C32)	<4,000	<4,000	<4,000								893,333	2,233,333
VOCs (µg/kg)												
1,2,4-Trimethylbenzene	<5	<5	<5								5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5								2.56E+04	6.91E+04*
Benzene	<5	<5	<5								1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5								8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5								2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5								3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5								6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5								6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5								6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5								6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5								6.05E+04*	6.05E+04*
Toluene	<5	<5	<5								2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5								8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333								1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333								4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

Soil Concentrations for FT31 Soil Samples
Date Sampled: June 16, 2003
(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples							SSL (µg/kg)	
	FT31EX01-01N	FT31EX02-01N	FT31EX03-01N	FT31EX04-01N	FT31EX05-01N	FT31EX06-01N	FT31EX07-01N	Residential	Commercial
Carbon Chain (µg/kg)									
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	893,333	2,233,333
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	2.56E+04	6.91E+04*
4-Methyl-2-Pentanone	<5	13	29	<5	<5	<5	<5	1.92E+06	7.00E+06*
Acetone	18	50	<5	<5	<5	<5	<5	2.84E+06	1.35E+07
Benzene	2.5 J	29	1.3 J	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	86	18	74	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	8.8	1.4 J	3.9 J	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	7.5	<5	3.5 J	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	21	<5	13	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	495	<333	3,351	4.32E+05*	4.32E+05*

Soil Concentrations for FT31 Soil Samples

Date Sampled: June 16, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples							SSL (µg/kg)	
	FT31EX08-01N	FT31EX09-01N	FT31EX10-01N	FT31EX10-01ND	FT31EX11-01N	FT31EX12-01N		Residential	Commercial
Carbon Chain (µg/kg)									
C06 - C10	<3,000	<3,000	<3,000	<3,000	31,529	<3,000		NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	60,723	<3,000			
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000			
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	63,642	<4,000		893,333	2,233,333
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5		5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5		2.56E+04	6.91E+04*
4-Methyl-2-Pentanone	<5	<5	<5	<5	<5	<5		1.92E+06	7.00E+06*
Acetone	<5	<5	26	23	<5	<5		2.84E+06	1.35E+07
Benzene	<5	<5	<5	<5	<5	<5		1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5		8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5		2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5		3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5		6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5		6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5		6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5		6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5		6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5		2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5		8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333		1.71E+05*	1.71E+05*
Diethylphthalate	709	<333	<333	<333	<333	<333		4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED. Technical Background Document for Development of Soil Screening Levels

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt basis. The detected concentrations were converted to dry-wt bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

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ATTACHMENT 6

Soil Concentrations for FT31 Soil Samples

Date Sampled: June 16, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples							SSL (µg/kg)	
	FT31EX13-01N	FT31EX14-01N	FT31EX15-01N	FT31EX16-01N	FT31EX17-01N	FT31EX18-01N	FT31EX19-01N	Residential	Commercial
Carbon Chain (µg/kg)									
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	893,333	2,233,333
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	2.56E+04	6.91E+04*
4-Methyl -2- Pentanone	<5	<5	<5	<5	<5	<5	<5	1.92E+06	7.00E+06*
Acetone	<5	<5	<5	<5	<5	<5	<5	2.84E+06	1.35E+07
Benzene	<5	<5	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	1,009	<333	<333	<333	<333	<333	<333	4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

Soil Concentrations for FT31 Soil Samples
Date Sampled: June 16, 2003
(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples							SSL (µg/kg)	
	FT31EX20-09N	FT31EX20-09ND	FT31EX21-09N	FT31EX22-09N	FT31EX23-09N	FT31EX24-09N	FT31EX25-09N	Residential	Commercial
Carbon Chain (µg/kg)									
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	893,333	2,233,333
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	2.56E+04	6.91E+04*
4-Methyl-2-Pentanone	<5	<5	<5	<5	<5	<5	<5	1.92E+06	7.00E+06*
Acetone	<5	<5	<5	<5	<5	<5	<5	2.84E+06	1.35E+07
Benzene	<5	<5	<5	<5	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	1,822	1,822	5,932	3,398	1,471	4.32E+05*	4.32E+05*

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ATTACHMENT 6

Soil Concentrations for FT31 Soil Samples
Date Sampled: June 16, 2003
(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples							SSL (µg/kg)	
	FT31EX26-09N	FT31EX27-09N	FT31EX28-09N	FT31EX10-01ND	FT31EX29-09N	FT31EX29-09ND		Residential	Commercial
Carbon Chain (µg/kg)									
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000		NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000			
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000			
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000		893,333	2,233,333
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5		5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5		2.56E+04	6.91E+04*
4-Methyl-2-Pentanone	<5	<5	<5	<5	<5	<5		1.92E+06	7.00E+06*
Acetone	<5	<5	<5	<5	<5	<5		2.84E+06	1.35E+07
Benzene	<5	<5	<5	<5	<5	<5		1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5		8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5		2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5		3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5		6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5		6.21E+04*	6.21E+04*
Naphthalene	<5	<5	<5	<5	<5	<5		6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5		6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5		6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5		2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5		8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333		1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	<333	<333		4.32E+05*	4.32E+05*

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt basis
C_w = concentrations on wet-wt basis
θ_w = water content (0.26 g/cm^3-soil)
ρ_b = bulk density of soil (1.55 g/cm^3)

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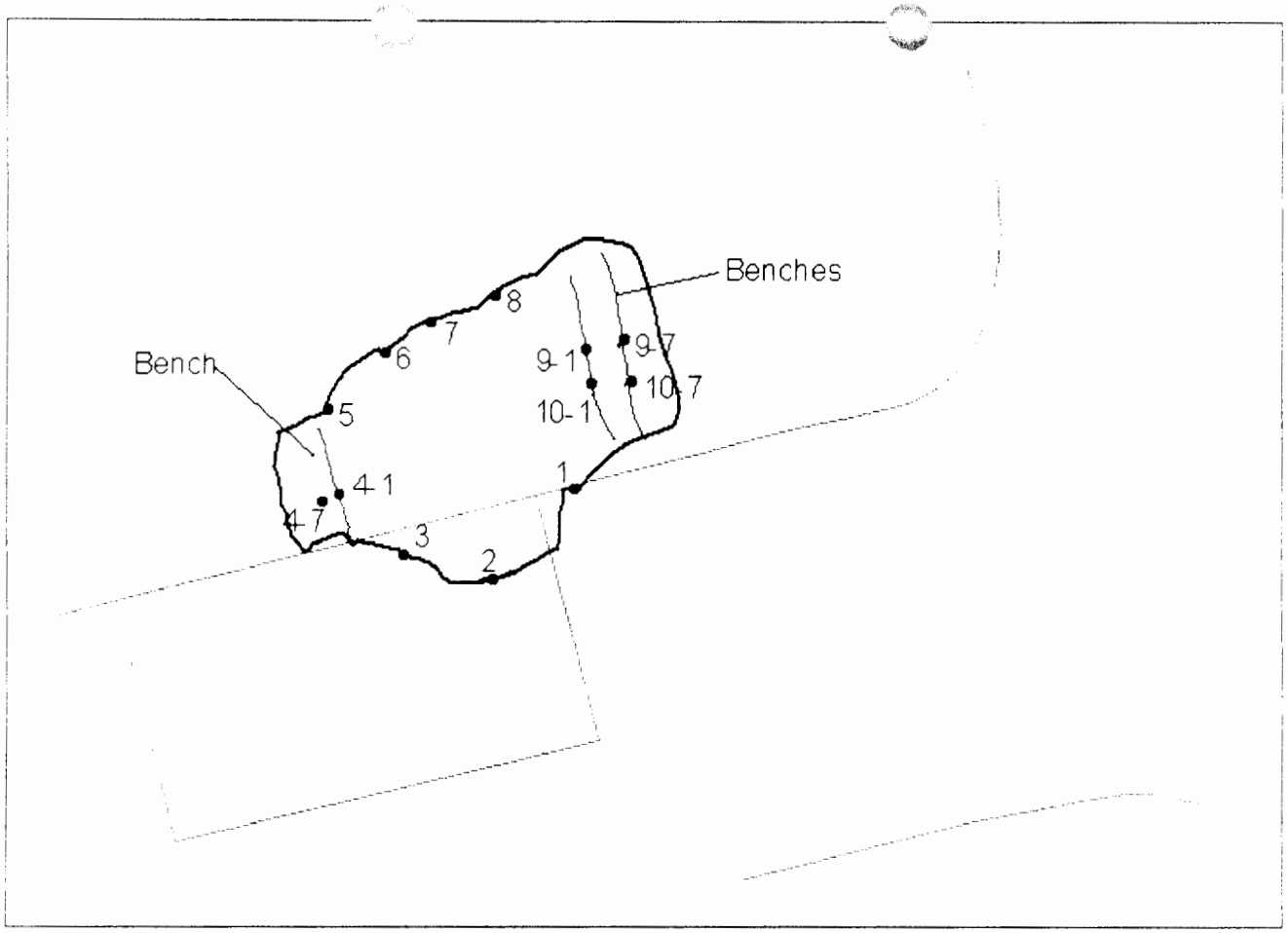
ATTACHMENT 6



0 10 20 30 40 50 60 70 80 90 100 110 120 Feet

2/5EX01-1	<5 mg/Kg
2/5EX01-7	<5 mg/Kg
2/5EX02-1	<5 mg/Kg
2/5EX02-7	<5 mg/Kg
2/5EX03-1	<5 mg/Kg
2/5EX03-7	<5 mg/Kg
2/5EX04-1	<5 mg/Kg
2/5EX04-7	<5 mg/Kg
2/5EX05-1	219 mg/Kg
2/5EX05-7	109 mg/Kg
2/5EX06-1	63 mg/Kg
2/5EX06-7	21 mg/Kg
2/5EX07-1	66 mg/Kg
2/5EX07-7	1,400 mg/Kg
2/5EX08-1	80 mg/Kg
2/5EX08-7	<5 mg/Kg
2/5EX09-1	60 mg/Kg
2/5EX09-7	<5 mg/Kg
2/5EX10-1	9 mg/Kg
2/5EX10-7	<5 mg/Kg

● Sample Locations

Approx. Area 1,400 sf
15' Deep
Approx. 777 cy

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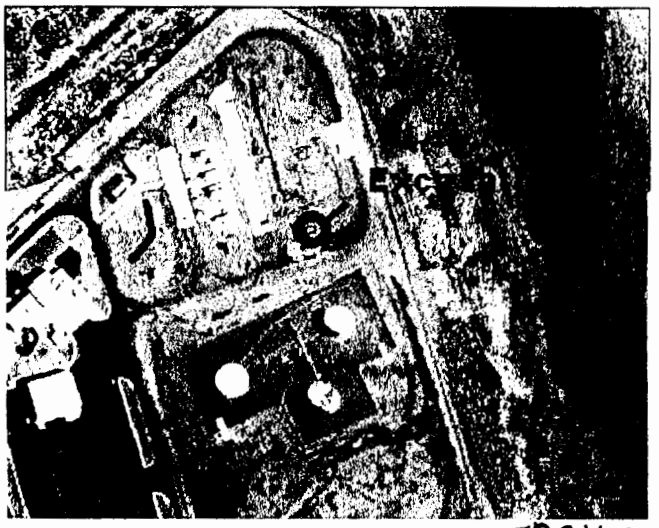

ATTACHMENT 7

SITE 2/5 HOLLOMAN AFB, NM

Soil Concentrations for 2/5EX Soil Samples

Date Sampled: April 30, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (µg/kg)	
	2/5EX06-1	2/5EX06-7	2/5EX07-1	2/5EX07-7	2/5EX08-1	2/5EX08-7	2/5EX09-1	2/5EX09-7	2/5EX10-1	2/5EX10-7	Residential	Commercial
Carbon Chain (µg/kg)												
C06 - C10	42,039	<3,000	26,858	101,594	11,094	<3,000	50,213	<3,000	<3,000	<3,000	NA	NA
C10 - C22	73,568	24,523	77,071	1,634,839	93,419	<3,000	70,065	<3,000	10,510	<3,000		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	76,487	27,442	79,990	**1,637,758**	96,339	<4,000	72,984	<4,000	13,429	<4,000	893,333	2,233,333
VOCs (µg/kg)												
1,2,4-Trimethylbenzene	2,195	<5	<500	<500	<500	<5	<500	<5	<5	<5	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	10,977	<5	1,647	<500	<500	<5	586	<5	<5	<5	2.56E+04	6.91E+04*
Benzene	<500	<5	<500	<500	<500	<5	<500	<5	<5	<5	1.12E+04	2.45E+04
Ethylbenzene	27,909	<5	3,375	<500	242 J	<5	199 J	<5	<5	<5	8.66E+04*	8.66E+04*
Isopropylbenzene	8,396	<5	1,130	<500	128 J	<5	<500	<5	<5	<5	2.65E+05	3.69E+05*
Methacrylonitrile	<500	<5	<500	<500	<500	<5	<500	<5	<5	<5	3.41E+03	1.79E+04
n-Buthylbenzene	3,737	<5	1,588	<500	<500	<5	394 J	<5	<5	<5	6.21E+04*	6.21E+04*
n-Propylbenzene	13,546	<5	1,787	<500	236	<5	202 J	<5	<5	<5	6.21E+04*	6.21E+04*
Naphthalene	6,341	<5	1,059	<500	<500	<5	<500	<5	<5	<5	6.12E+04*	6.12E+04*
p-Isopropyltoluene	5,056	<5	1,067	<500	<500	<5	307 J	<5	<5	<5	6.30E+04*	6.30E+04*
sec-Butylbenzene	6,773	<5	1,390	<500	<500	<5	<500	<5	<5	<5	6.05E+04*	6.05E+04*
Toluene	<500	<5	<500	<500	<500	<5	<500	<5	<5	<5	2.19E+05*	2.19E+05*
Xylenes, total	3,643	<5	<500	<500	<500	<5	<500	<5	2.0 J	<5	8.12E+04*	8.12E+04*
2-Methylnaphthalene	320 J	<333	<333	<333	<333	<333	322	<333	<333	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	4.32E+05*	4.32E+05*

J denotes value between MDL and Detection Limit for Reporting (DLR).

SSL for C10 - C32 are averaged TPH values of Diesel#2/crankcase oil, #3 and #6 fuel oil, and Kerosene and jet fuel in the NMED TPH Screening Guidelines.

SSL for VOCs are calculated values using the data and equations provided in the NMED, Technical Background Document for Development of Soil Screening Levels.

* Saturated concentration was used.

Note: The lab concentrations were on wet-wt.basis. The detected concentrations were converted to dry-wt. bases using the following relationship.

$$C_d = C_w\left(1 + \frac{\theta_w}{\rho_b}\right)$$

where,

C_d = concentrations on dry-wt. basis

C_w = concentrations on wet-wt. basis

θ_w = water content (0.26 g/cm^3-soil)

ρ_b = bulk density of soil (1.55 g/cm^3)

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ATTACHMENT 8

Soil Concentrations for 2/5EX Soil Samples

Date Sampled: April 30, 2003

(Note: Concentrations are on Dry-Wt. Basis)

Chemical	Samples										SSL (µg/kg)	
	2/5EX01-1	2/5EX01-7	2/5EX02-1	2/5EX02-7	2/5EX03-1	2/5EX03-7	2/5EX04-1	2/5EX04-7	2/5EX05-1	2/5EX05-7	Residential	Commercial
Carbon Chain (µg/kg)												
C06 - C10	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	171,658	<3,000	NA	NA
C10 - C22	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	<3,000	255,735	127,284		
C22 - C32	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000		
Total (C10 - C32)	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	<4,000	258,655	130,203	893,333	2,233,333
VOCs (µg/kg)												
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	54,183	666	5.96E+04	1.97E+05
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	**32,346**	<500	2.56E+04	6.91E+04*
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	1,111	<500	1.12E+04	2.45E+04
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	**129,619**	<500	8.66E+04*	8.66E+04*
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	24,289	<500	2.65E+05	3.69E+05*
Methacrylonitrile	<5	<5	<5	<5	<5	<5	<5	<5	<500	<500	3.41E+03	1.79E+04
n-Buthylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	8,361	<500	6.21E+04*	6.21E+04*
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	33,047	<500	6.21E+04*	6.21E+04*
Naphthalene[1]	<5	<5	<5	<5	<5	<5	<5	<5	8,338(713)	<500	6.12E+04*	6.12E+04*
p-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	<5	10,229	<500	6.30E+04*	6.30E+04*
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	11,035	<500	6.05E+04*	6.05E+04*
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	7,906	<500	2.19E+05*	2.19E+05*
Xylenes, total	<5	<5	<5	<5	<5	<5	<5	<5	**671,452**	<500	8.12E+04*	8.12E+04*
2-Methylnaphthalene	<333	<333	<333	<333	<333	<333	<333	<333	1,366	<333	1.71E+05*	1.71E+05*
Diethylphthalate	<333	<333	<333	<333	<333	<333	<333	<333	<333	<333	4.32E+05*	4.32E+05*

ATTACHMENT 8

Table 2-2
2003 Well Gauging Summary

Site	LTM Site	Well ID	Top of Casing Elevation (ft msl)	State Planar Easting (ft)	State Planar Northing (ft)	TDS[1] Sampling
Background		MW-BG-02	4199.00	1696739.620	703595.370	✓
		MW-BG-03	4138.00	1695185.000	695702.750	✓
		MW-BG-04	4075.00	1686530.870	690063.560	✓
Lake Holloman		MW-17	4032.00	1677546.5	658332.62	✓
		MW-18	4019.00	1678065.62	656591.56	✓
Lake Stinky		MWS-09/S-9	4020.67	1677874.620	655489.180	✓
DP-30/SD-33	✓	MW30&33-01	4104.70	1692958.870	676386.750	✓
		MW30&33-02	4104.00	1693092.120	675818.680	✓
		MW30&33-03	4102.98	1693206.620	675869.060	✓
		MW30&33-04	4102.30	1693284.250	675966.000	✓
DP-63		DP63-MW01	4145.81	1693403.599	683862.8614	✓
		DP63-MW02	4135.64	1693150.309	682941.7929	✓
		DP63-MW04	4142.1	1693121.822	683611.3236	✓
FT-31		31-MW-11	4003.17	1694107.120	676214.250	✓
		31-MW-13	4001.21	1693979.000	675917.930	✓
		S31-MW7	4108.51	1693756.000	676477.500	✓
LF-01	✓	1W2	4100.69	1694414.000	675658.500	✓
		S1-MW1	4099.39	1696393.000	679319.560	✓
		S1-MW2	4098.62	1696407.000	675144.500	✓
		S1-MW4	4096.15	1693775.000	674639.430	✓
		S1-MW5	4114.89	1694155.000	678182.500	✓
LF-10	✓	S10-MW3	4084.21	1694788.000	671590.370	✓
		S10-MW4	4081.31	1695102.000	670956.370	✓
		S10-MW5	4081.54	1696309.000	673034.430	✓
		S10-MW6	4083.50	1695561.000	671805.430	✓
		S10-MW7	4088.24	1694971.000	672475.000	✓
LF-19	✓	MW-19-01	4049.35	1688552.870	664018.750	✓
		MW-19-02	4045.63	1688493.370	663501.000	✓
		MW-19-03	4045.63	1688649.620	663342.180	✓
LF-21	✓	MW-21-01	4046.68	1683173.250	667815.250	✓
		MW-21-02	4043.79	1682684.750	666881.310	✓
		MW-21-03	4042.17	1682523.370	666907.310	✓
		MW-21-04	4040.28	1682400.000	666941.000	✓

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Table 2-2
2003 Well Gauging Summary

Site	LTM Site	Well ID	Top of Casing Elevation (ft msl)	State Planar Easting (ft)	State Planar Northing (ft)	TDS[1] Sampling
LF-22	✓	MW-22-01	4039.00	1681103.750	666400.430	✓
		MW-22-02	4038.70	1681049.370	666039.310	✓
		MW-22-03	4038.90	1680960.250	665940.620	✓
		MW-22-04	4040.09	1680840.620	665916.180	✓
LF-23	✓	MW-23-01	4037.10	1680649.870	666130.810	✓
		MW-23-02	4030.50	1680308.870	665698.430	✓
		MW-23-03	4030.44	1680330.750	665569.430	✓
		MW-23-04	4030.95	1680395.250	665448.870	✓
LF-29	✓	MW-29-01	4100.87	1689606.000	678053.060	✓
		MW-29-03	4097.14	1689003.120	677215.620	✓
		MW-29-05	4101.36	1689489.750	677394.810	✓
		MW-29-07	4098.29	1689076.370	677615.310	✓
		MW-29-08	4100.43	1689084.870	677960.060	✓
LF-58		MW-58-01	4097.18	1684211.250	685449.310	✓
		MW-58-03	4097.45	1683893.870	685735.250	✓
OT-04		MW-04-01	41111.36	1685905.500	689530.500	✓
OT-14		MW-14-01	4079.16	1693935.870	670889.560	✓
		MW-14-02	4078.39	1693881.620	670606.250	✓
OT-16	✓	118-MW1601	4076.90	1694170.870	669452.750	✓
		118-MW1603	4076.89	1694133.370	669299.000	✓
		118-MW1604	4077.13	1694194.870	669313.500	✓
OT-24		MW-24-01	4049.40	1678375.250	669736.430	✓
		MW-24-03	4047.20	1678379.250	668223.430	✓
		MW-24-05	4041.20	1678662.750	667026.750	✓
OT-37		MW-37-01	4077.22	1678090.750	686078.620	✓
		MW-37-03	4079.66	1678688.870	687484.430	✓
		MW-37-06	4085.29	1679397.000	689007.060	✓
OT-38		MW-38-01	4062.85	1672423.500	686146.000	✓
		MW-38-02	4063.56	1672470.370	686045.560	✓
OT-41		MW-41-01	4092.06	1668683.000	720652.370	✓
		MW-41-04	4099.15	1668323.500	720302.870	✓
OT-44		S50-MW1	4069.69	1690683.000	670239.310	✓
		S50-MW3	4069.66	1690708.000	670133.310	✓
		S50-MW6	4069.97	1690820.000	670315.310	✓

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Table 2-2
2003 Well Gauging Summary

Site	LTM Site	Well ID	Top of Casing Elevation (ft msl)	State Planar Easting (ft)	State Planar Northing (ft)	TDS[1] Sampling
SD-08	✓	MW-08-01	4085.82	1694927.120	672358.060	✓
		MW-08-04	4084.22	1695241.750	672561.500	✓
		MW-08-05	4084.45	1695101.500	672407.120	✓
SD-28		MW-28-02	4089.70	1688961.250	676208.810	✓
		MW-28-03	4090.37	1688972.250	676258.930	✓
SS-02/SS-05	✓	MW-02&5-01	4095.27	1695653.500	673652.500	✓
		MW-02&5-02	4096.28	1695714.250	673809.810	✓
		MW-02&5-04	4096.73	1695482.120	673758.250	✓
		MW-02&5-06	4082.37	1696110.500	673919.430	✓
		MW-02&5-07	4082.63	1696080.370	674178.180	✓
		MW-02&5-08	4083.96	1695918.370	674361.060	✓
SS-17	✓	MW-BX-01	4070.74	1694460.000	668131.000	✓
		MW-BX-02	4070.54	1694228.000	668110.000	✓
		TH-22	4071.50	1693996.000	668336.310	✓
		W-4	4074.40	1694326.000	668556.310	✓
SS-26		MW-26-01	4062.28	1683339.620	673677.370	✓
		MW-26-02	4062.70	1683243.37	673354.50	✓
SS-36		129-MW04	4099.71	1685866.120	684223.180	✓
		MW-36-01	4105.03	1686758.500	684745.120	✓
SS-39	✓	MW-39-01	4059.86	1671304.750	685835.810	✓
		MW-39-02	4051.15	1670490.870	685113.060	✓
		MW-39-03	4040.63	1670844.370	685126.180	✓
		MW-39-04	4053.34	1671166.370	685323.310	✓
SS-46	✓	MW-46-01	4082.09	1691811.250	672146.810	✓
		MW-46-02	4082.09	1691882.620	672131.000	✓
		MW-46-03	4081.76	1691903.620	672233.930	✓
SS-48	✓	S55-MW2	4081.39	1693316.000	671348.370	✓
		S55-MW3	4080.22	1693259.000	671298.370	✓
		S55-MW4	4080.16	1693290.000	671264.370	✓
		S55-MW5	4076.16	1693209.000	671252.370	✓
		S55-MW6	4078.29	1693124.000	671224.370	✓
		S55-MW7	4078.70	1693191.000	671188.370	✓

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Table 2-2
2003 Well Gauging Summary

Site	LTM Site	Well ID	Top of Casing Elevation (ft msl)	State Planar Easting (ft)	State Planar Northing (ft)	TDS[1] Sampling
SS-56		MW-56-01	4062.55	1684359.500	671354.120	✓
		WR-WCC-2	4045.00	1684342.870	670553.250	✓
		WR-WCC-3	4049.00	1684892.870	671238.310	✓
		WR-WCC-4	4046.00	1684747.870	672273.310	✓
SS-59		T38-MW-02	4077.31	1689718.000	671363.000	✓
		T38-MW-08	4072.28	1688900.000	670583.000	✓
		T38-MW-11	4075.25	1689286.000	671573.000	✓
		T38-MW-12	4074.13	1689776.000	671138.000	✓
		T38-MW-13	4080.01	1688862.000	671348.000	✓
SS-61		SS61-MW01	4110.06	1690001.370	677834.310	✓
		SS61-MW02	4103.11	1690166.870	676701.310	✓
		SS61-MW05	4097.68	1689776.000	676407.000	✓
		SS61-MW09	4094.58	1689426.000	676238.000	✓
		SS61-MW11	4087.71	1689308.000	675094.000	✓
SWMU 54		S54-MW8	4090.86	1694866.000	673296.430	✓
WP-49		MW-06	4031.21	1685218.000	661498.310	✓
		MW-07	4039.88	1684627.750	665200.810	✓
		MW-1	4053.42	1688906.620	666364.750	✓
		MW-10	4043.39	1686255.870	666188.930	✓
		MW-11	4039.71	1684144.750	665260.180	✓
		MW-13	4036.49	1684175.750	664269.250	✓
		MW-15	4032.70	1684651.750	662305.310	✓
		MW-16	4031.84	1677847.500	660726.370	✓
		MW-3	4037.38	1684717.000	662931.310	✓
		MW-4	4030.30	1685463.750	660752.500	✓
		MW-9	4042.59	1686533.870	665365.560	✓
		MWS-01	4041.72	1687475.870	664091.560	✓
		MWS-04	4034.46	1685174.500	662266.810	✓
		MWS-06	4031.52	1679679.500	663664.060	✓
		MWS-07	4030.24	1678447.000	662599.310	✓
		MWS-08	4033.15	1679641.250	660400.180	✓

1) Samples will be sent to an off-site laboratory
ft - feet
ft msl - feet above mean sea level

✓ - Yes
Note: Field parameters will be collected for all wells

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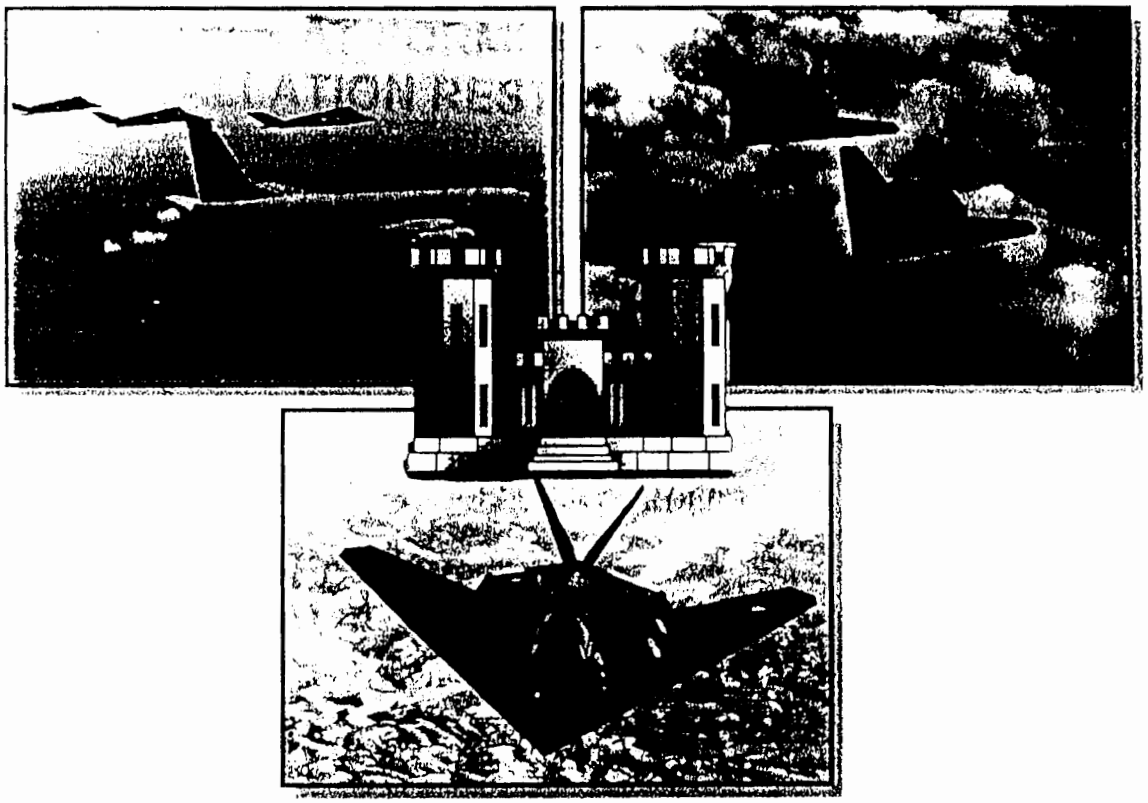
SUPPLEMENTAL INFORMATION

DISCHARGE APPLICATION FOR LANDFARMING PETROLEUM HYDROCARBON CONTAMINATED SOILS AT FORMER FIRE TRAINING AREA FT-31



Holloman Air Force Base
New Mexico

June 2003

Contract No. DACA45-03-D-0008

Headquarters, Air Combat Command
Langley Air Force Base, Virginia

49 CES/CEV
Holloman Air Force Base, New Mexico

ATTACHMENT 10