FORT MCCOY UST REMOVAL INVENTORY 03/30/95

BLDG NUMBER	TANK CAPACITY GAL	TANK PRODUCT	TANK CONSTRUCTION INFORMATION	TANK INSTALL DATE	REMOVAL YEAR	CLEAN CLOSURE YES/NO/UNK	DNR SITE ID NUMBER
659	250	FUEL OIL	BARE STEEL	1943	1992	NO	897
1010	500	GASOLINE	UNKNOWN	?	1992	YES	907
1553	3,000	GASOLINE	BARE STEEL	1975	1992	NO	721
1557	340	GASOLINE	BARE STEEL	1964	1992	YES	
1562	500	FUEL OIL	BARE STEEL	1971	1992	NO	906
1565	500	FUEL OIL	FIBERGLASS	1977	1992	NO	905
1656	750	FUEL OIL	BARE STEEL	1972	1992	NO	900
1680	4,000	FUEL OIL	FIBERGLASS	1978	1992	NO	1003
1849	750	FUEL OIL	BARE STEEL	1943	1992	NO	895
1853	750	FUEL OIL	BARE STEEL	1943	1992	YES	896
2197	500	FUEL OIL	UNKNOWN	1977	1992	YES	904
2204	1,000	FUEL OIL	BARE STEEL	1943	1992	YES	
2541	1,000	FUEL OIL	BARE STEEL	1946	1992	YES	892
2569	1,000	FUEL OIL	BARE STEEL	1943	1992	NO	1004
2572	500	FUEL OIL	BARE STEEL	1977	1992	YES	894
2852	1,000	FUEL OIL	BARE STEEL	1961	1992	YES	
5007	550	DIESEL	COATED STEEL?	1985	1992	YES	
5014	?	FUEL OIL	BARE STEEL	1942	1992	NO	354
5030	750	FUEL OIL	BARE STEEL	1943	1992	YES	
5030	750	FUEL OIL	BARE STEEL	1943	1992	NO	909
5040	500	FUEL OIL	BARE STEEL	1943	1992	YES	908
6062	500	DIESEL	COATED STEEL	1976	1992	YES	891
6062	500	DIESEL	COATED STEEL	1976	1992	YES	891
6062	500	DIESEL	COATED STEEL	1976	1992	YES	891
6065	500?	DIESEL	UNKNOWN	1975	1992	YES	
6250	140	DIESEL	UNKNOWN	1976	1992	YES	893
10111	12,000	FUEL OIL	BARE STEEL	1973	1992	YES	903
10137	500	DIESEL	UNKNOWN	?	1992	YES	
242	1,500	UNUSED SOLV	COATED STEEL	1977	1992	YES	
242	5,000	DIESEL	COATED STEEL	1971	1992	YES	
242	5,000	GASOLINE	COATED STEEL	1971	1992	YES	
242	10,000	FUEL OIL	COATED STEEL	1971	1993	YES	
3050	25,000	FUEL OIL	BARE STEEL	1975	1993	NO	837
3050	25,000	FUEL OIL	BARE STEEL	1975	1993	NO	837
3050	10,000	DIESEL FUEL	BARE STEEL	1975	1993	YES	
3050	1,500	FUEL OIL	FIBERGLASS	1976	1993	NO	837
3050	10,000	UNLEADED GA	BARE STEEL	1975	1993	NO	837
3050	7,500	USED ENG OIL	BARE STEEL	1975	1993	NO	837
5050	500	FUEL OIL	BARE STEEL	1943	1993	YES	
2190	12,000	UNLEADED GA	BARE STEEL	1943	1994	NO	1130
2190	1,000	DIESEL FUEL	BARE STEEL	1943	1994	NO	1130
2190	1,000	UNLEADED GA	BARE STEEL	1943	1994	NO	1130
2190	12,000	DIESEL FUEL	BARE STEEL	1943	1994	NO	1130
2190	12,000	UNLEADED GA	BARE STEEL	1943	1994	NO	1130
1553	14,000	UNLEADED GA	BARE STEEL	1965	1994	NO	721

FORT MCCOY UST REMOVAL INVENTORY 03/30/95

BLDG NUMBER	TANK CAPACITY GAL	TANK PRODUCT	TANK CONSTRUCTION INFORMATION	TANK INSTALL DATE	REMOVAL YEAR	CLEAN CLOSURE YES/NO/UNK	DNR SITE ID NUMBER
1553	8,000	UNLEADED GA	COATED STEEL	1965	1994	NO	721
2177	1,000	LEADED GAS	BARE STEEL	UNK	1994	YES	

FORT MCCOY UST REMOVAL INVENTORY 03/30/95

BLDG NUMBER	TANK CAPACITY GAL	TANK PRODUCT	TANK CONSTRUCTION INFORMATION	TANK INSTALL DATE	REMOVAL YEAR	CLEAN CLOSURE YES/NO/UNK	DNR SITE ID NUMBER
2114	860	FUEL OIL	BARE STEEL	1947	1978	UNK	
1754	1,500	FUEL OIL	COATED STEEL	1972	1986	UNK	
106	1,500	FUEL OIL	BARE STEEL	1943	1989	YES	
108	750	FUEL OIL	BARE STEEL	1943	1989	YES	
1266	12,000	WASTE OIL	BARE STEEL	1943	1989	NO	298
1266	12,000	WASTE OIL	BARE STEEL	1943	1989	NO	298
1358	12,000	GASOLINE	BARE STEEL	1943	1989	NO	299
1467	12,000	DIESEL	BARE STEEL	1943	1989	NO	300
1467	12,000	DIESEL	BARE STEEL	1943	1989	NO	300
1550	750	FUEL OIL	BARE STEEL	1943	1989	NO	305
1550	750	FUEL OIL	BARE STEEL	1943	1989	NO	305
1554	12,000	FUEL OIL	BARE STEEL	1943	1989	NO	301
1658	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES	
1661	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES	
1668	1,650	FUEL OIL	FIBERGLASS	1977	1989	NO	306
1668	1,650	FUEL OIL	FIBERGLASS	1977	1989	NO	306
1669	12,000	GASOLINE	BARE STEEL	1943	1989	NO	302
1669	12,000	DIESEL	BARE STEEL	1943	1989	NO	302
1857	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES	
1859	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES	
1862	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES	
1879	12,000	GASOLINE	BARE STEEL	1943	1989	NO	303
1879	12,000	GASOLINE	BARE STEEL	1943	1989	NO	303
1938	860	FUEL OIL	BARE STEEL	1951	1989	YES	
2011	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES	304
2013	750	FUEL OIL	?	?	1989	YES	
2110	2,000	GASOLINE	?	?	1989	YES	
2113	4,000	FUEL OIL	BARE STEEL	1947	1989	YES	
2190	4,000	GASOLINE	BARE STEEL	1943	1989	YES	
2190	750	DIESEL	BARE STEEL	1943	1989	YES	
2190	750	DIESEL	BARE STEEL	1943	1989	YES	
2773	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES	
6062	1,000	FUEL OIL	COATED STEEL	1976	1989	YES	
10111	500	FUEL OIL	BARE STEEL	1943	1989	YES	
5014	250	GASOLINE	BARE STEEL	1942	1990	NO	354
457	750	FUEL OIL	BARE STEEL	1943	1991	NO	440
1152	1,500	GASOLINE	BARE STEEL	1970	1991	YES	
1152	1,000	DIESEL	BARE STEEL	1970	1991	NO	1002
1409	4,000	FUEL OIL	FIBERGLASS	1978	1991	YES	
1553	1,000	FUEL OIL	BARE STEEL	1943	1991	NO	721
1669	1,000	SOLVENT	BARE STEEL	1943	1991	YES	
1669	1,000	KEROSENE	BARE STEEL	1943	1991	YES	
2321	12,000	FUEL OIL	BARE STEEL	1943	1991	YES	
2846	1,500	FUEL OIL	BARE STEEL	1958	1991	YES	
105	750	FUEL OIL	BARE STEEL	1943	1992	YES	902

Bldg 5050

DEPARTMENT OF THE ARMY
HEADQUARTERS FORT McCOY
SPARTA, WISCONSIN 54656-5000

17 February 1994

REPLY TO
ATTENTION OF

11-2-93

Environmental Management Division

Mr. Tim Baker
Area Hydrogeologist
Wisconsin Department of Natural Resources
910 Hwy 54 East
Black River Falls, Wisconsin 54615

RECEIVED
FEB 24 1994

Dear Mr. Baker:

Enclosed are Site Closure Assessments for seven Fort McCoy underground storage tanks (USTs). Six of these tanks were located adjacent to Building 3050 and one tank was located adjacent to Building 5050. All tanks were removed in November, 1993.

Per your request, narrative and results for the two sites have been separated. Please note that background information pertinent to both sites is contained only in the section which discusses Building 3050.

The report indicates contamination still remains at Building 3050, Excavations II and III. Midwest Environmental Management Company has been retained to perform remedial investigations at both sites. Work plans are being prepared and will be forwarded to your office soon. The investigations are tentatively scheduled for April or May, 1994.

Please direct questions or comments concerning Fort McCoy's UST program to Mr. Kurt Brownell, Fort McCoy Environmental Management Division, tel. (608) 388-4789.

Sincerely,

Alan L. Balliett

Alan L. Balliett
Chief, Environmental
Management Division
Directorate of Engineering

Enclosure

Copy Furnished (w/encl)

Commander, HQ, 86th ARCOM, ATTN: AFRC-AIL-EN, 7402 W. Roosevelt Road, Forest Park, IL 60130-2587

WCR

SITE ASSESSMENT SUMMARY

Excavation IV (Tank #7)

Excavation IV was located adjacent to the west side of Building Number 5050 near the northwest corner of the building. This tank removal site included Tank #7, a 550 gallon fuel oil underground storage tank.

There were no observed hydrocarbon odors or signs of visible hydrocarbon staining in the soil removed from the excavation.

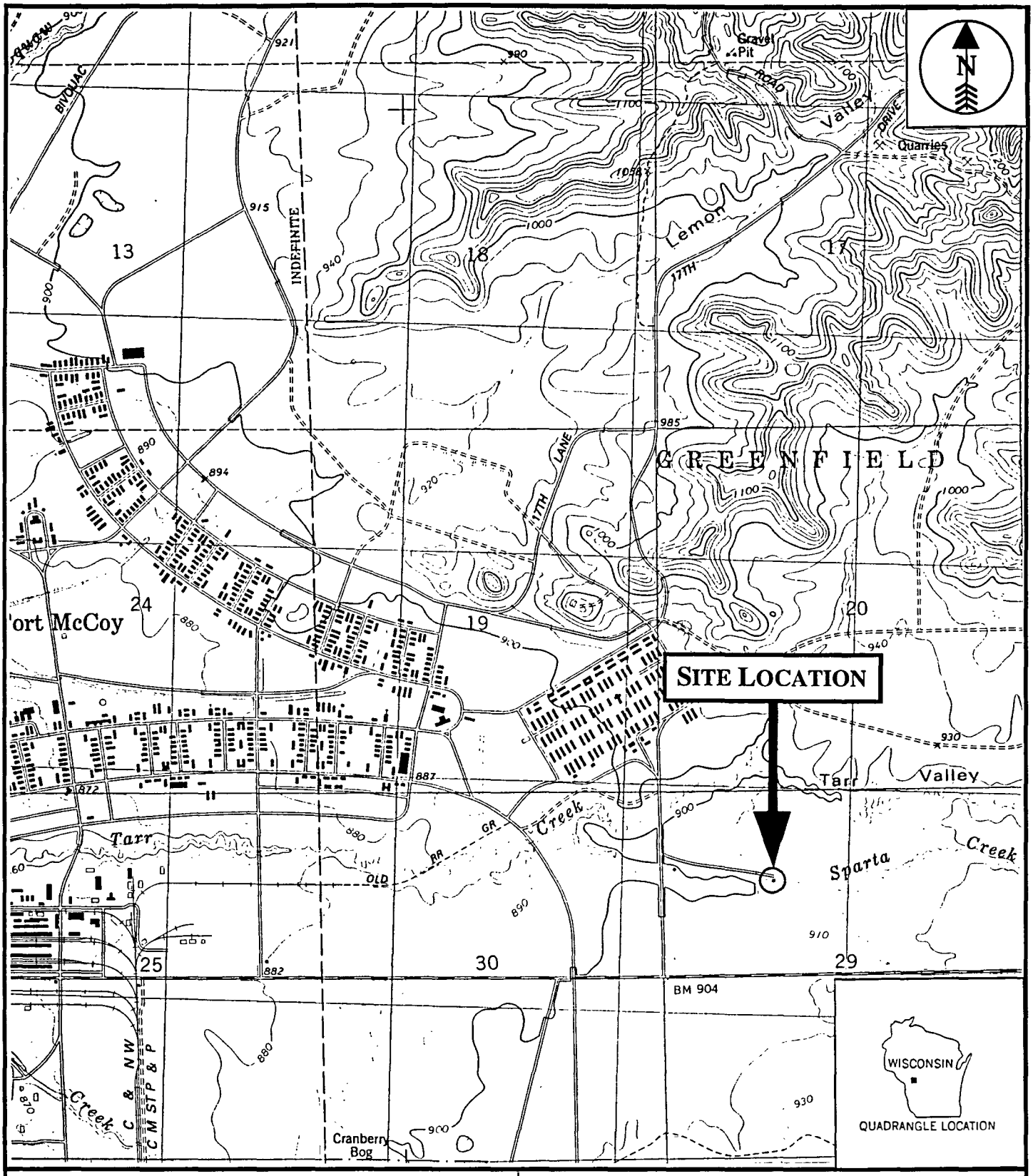
Tank #7 was found to be in deteriorating condition during the visual site assessment inspection. Heavy rust accumulation was observed on the entire surface of the tank. There were no visible indications of rust pits or holes on the surface of the tank.

Excavation IV was measured to be approximately 11 feet in length, 6 feet in width, and 5 feet in depth. Groundwater was not encountered in the excavation during the tank removal operations.

Laboratory analysis results indicated that the soil sample collected from the base in the center of the excavation did not contain a detectable concentration of DRO.

Based upon the laboratory analysis results, the field analysis results, and the visual site assessment inspection, Midwest Environmental Management Company concludes that this site should be recommended for closure.

Bldg. 5050



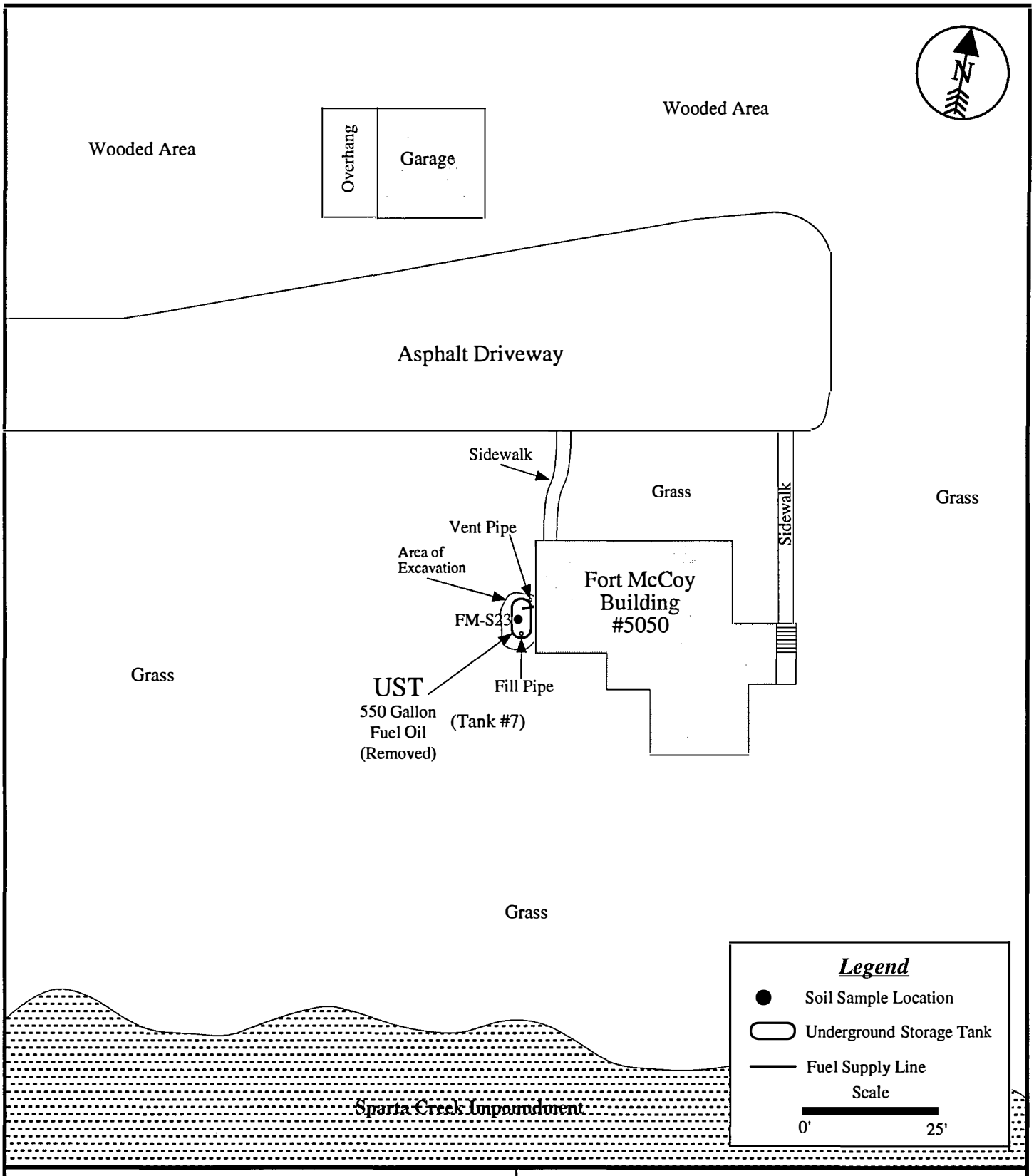
Midwest Environmental Management, Co.

Fort McCoy Military Base
Building #5050
Fort McCoy, Wisconsin

FIGURE 2
Site Location Map

Source: USGS Alderwood Lake, WI 7.5" Quadrangle Map
Scale: 1" = 2,000' Contour Interval: 20 Feet

Project Number: TK93279	Date: 12-8-1993	By: DRE



Midwest Environmental Management, Co.

Fort McCoy Military Base
Building #5050
Fort McCoy, Wisconsin

FIGURE 6
Site Layout Map - Excavation IV
Tank #7

Project No. TK93279	Date: 12-1-93	By: DE

pipe runs of Tank #4, Tank #5, and Tank #6 were found to contain no detectable concentrations of DRO. The soil sample collected from the contaminated stockpile contained a concentration of 29 ppm DRO.

Groundwater

• **DRO:** Laboratory analysis results indicated that the groundwater sample collected from the base of the excavation of the removed Tanks: #4, #5, and #6 was found to contain 13 ppm DRO.

• **VOC:** The groundwater sample collected from the excavation was found to contain a concentration of nine VOC compounds: p,m-xylene "coelute" (13 ppb), o-xylene (20 ppb), n-propylbenzene (1.3 ppb), 1,3,5-trimethylbenzene (7 ppb), 1,2,4-trimethylbenzene (7.1 ppb), p-isopropyltoluene (13 ppb), ethylbenzene (3.6 ppb), n-butylbenzene (1.3 ppb), naphthalene (5.1 ppb).

• **PAH:** The groundwater sample collected from the base of the excavation was found to contain concentrations of ten PAH compounds: 1-methylnaphth (56 ppb), 2-methylnaphth (11 ppb), acenaphthene (11 ppb), fluorene (12 ppb), phenanthrene (20 ppb), anthracene (1.1 ppb), fluoranthene (8.0 ppb), pyrene (37 ppb), benzo(a)anthracene (2.5 ppb), and chrysene (0.39 ppb).

Recommendations

Based upon the laboratory analysis results, the field analysis results, and the visual site assessment inspection, Midwest Environmental Management Company concludes that this site warrants further site investigation in order to determine the extent and concentration of the soil and groundwater contamination.

7.4 Excavation IV (Tank #7)

No Observed Contamination

Three soil samples were collected from the base of the excavation of Tank #7, a 550 gallon fuel oil tank. The soil samples were field screened on site for the presence of volatile and semi-volatile organic compounds. None of the samples screened detected a response. There was no observed hydrocarbon odors or signs of visible hydrocarbon staining in the soil removed from the excavation which would indicate possible contamination.

Groundwater

Groundwater was not encountered in the excavation during the tank removal operations.

Analysis of Soil Samples

• **DRO:** One soil sample was submitted for laboratory analysis from the base of the excavation of the removed 550 gallon fuel oil tank. This soil sample was found to contain no detectable concentration of DRO.

Recommendations

Based upon the laboratory analysis results, the field analysis results, and the visual site assessment inspection, Midwest Environmental Management Company concludes that this site should be

recommended for closure.

Excavation IV (Tank #7)

ENVIRONMENTAL LABORATORIES INC.

12/08/93 LABORATORY REPORT PAGE 1

M900 9308273 W31

MIDWEST ENVIRONMENTAL MANAGEMENT CO.
123 NORTH 4TH STREET SUITE 303
LA CROSSE ,WI 54602-3143
ATTN: JASON HERBST

CHAIN OF CUSTODY

SAMPLE 93327-M15358 FM-S23/SET #23/1' BENEATH BOTTOM OF TANK# 7/MIDDLE OF EXCAVATION/FID=0.0 PPM/SOIL/TANK #7-550 GALLON FUEL OIL/FORT MCCOY/BLDG #5050
DATE COLLECTED 11/22/93 DATE RECEIVED 11/23/93
PRESERVED: YES TEMPERATURE: ON ICE
CONT. INTEGRITY: MEETS STANDARD SAMPLE INTEG: MEETS STANDARD

TEST NAME	RESULT	UNITS	ANALYZED	METHOD	LIMIT
% MOISTURE	5.0	%	11/24/93	SW846 5030	

TEST NAME	WET RESULT	DRY RESULT	UNITS	PERCENT	ANALYZED	METHOD
DRO EXTRACTION - SOIL	COMPLETE				11/29/93	SW846 3540
DIESEL RANGE ORGANICS	<4.0	<4.2	MG/KG		12/02/93	WDNR MOD. DRO
BLANK CONCENTRATION	<4.0	<4.2	MG/KG		12/02/93	WDNR MOD. DRO
DIESEL	N/A		MG/KG		12/02/93	WDNR MOD. DRO
	NOT APPLICABLE; NO DIESEL PATTERN MATCH.					

PLEASE CONTACT CLIENT SERVICES WITH ANY QUESTIONS. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT; SOIL SAMPLES WILL BE DISPOSED OF 6 WEEKS AFTER RECEIPT; WASTE SAMPLES (NON-WATER, NON-SOIL) WILL BE RETURNED 6 WEEKS AFTER RECEIPT. N/T = NOT TESTED, N/A = NOT APPLICABLE, N/D = NOT DETECTED.
@ = ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE. # = ELEVATED DETECTION LIMIT DUE TO SAMPLE CONCENTRATION.
$ = ELEVATED DETECTION LIMIT DUE TO SAMPLE QUANTITY. + = ELEVATED DETECTION LIMIT DUE TO EXTRACT VOLUME.
AIHA ACCREDITED APPROVAL

[redacted] [redacted] [redacted]

ENVIRONMENTAL LABORATORIES INC.

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151 11-91

Note: This form is required by the Department of Natural Resources for leaking underground storage tank sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code.

Sample Collector(s)	Title/Work Station/Company	Telephone Number (include area code)
Bevan [illegible] Jr	[illegible]	(608) [illegible]
Property Owner	**Property Address**	**Telephone Number (include area code)**
Fort McCoy	Building # 5650 (Tank #7 - 550 gallon [illegible])	(608) [illegible]

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time	Received By (Signature)
[illegible]	11-22-93 5:30	[illegible]
Relinquished By (Signature)	**Date/Time**	**Received By (Signature)**
[illegible]	11/23/93 [illegible]	[illegible]
Relinquished By (Signature)	**Date/Time**	**Received for Laboratory By (Signature)**

Temperature of temperature blank: ________

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote [2])	Analysis Type	Lab ID Number	No./Type of Containers	Sample Condition: Cracked /Broken	Sample Condition: Improperly Sealed	Sample Condition: Good Condition	Sample Condition: Other Comments
FM-523 Set #23	11/22/93	9:40am	soil	[illegible]	ice	[illegible] bottom of tank middle of excavation	(DRO) [illegible]	[illegible] MIS [illegible]	[illegible]				

[1]Specify groundwater, surface water, soil, leachate, sludge, etc.

[2]Sample description must clearly correlate the sample ID to the sampling location.

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: ______________________
Signature

Wisconsin Department of Industry, Labor and Human Relations

Complete one form for each site closure.

CHECKLIST FOR UNDERGROUND TANK CLOSURE

RETURN COMPLETED CHECKLIST TO:
Safety & Buildings Division
Fire Prevention & Underground Storage Tank Section
P. O. Box 7969, Madison, WI 53707

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name	2. Owner Name
Site Street Address (not P.O. Box)	Owner Street Address
☐ City ☐ Village ☐ Town of:	☐ City ☐ Village ☐ Town of: State Zip Code
State / Zip Code / County	County / Telephone No. (include area code) ( )

Closure Company Name (Print)	Closure Company Street Address,
Closure Company Telephone No. (include area code) ( )	Closure Company City, State, Zip Code

4. Name of Company Performing Closure Assessment	Assessment Company Street Address, City, State, Zip Code
Midwest Environmental Management	123 N 4th St. Suite 303 La Crosse, WI 54601

Telephone # (include area code)	Certified Assessor Name (Print)	Assessor Signature	Assessor Certification No.
608) 784-5688	Bernie Schott Jr.	Bernie Schott Jr.	04627

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment
	☒	☐	☐	550	04	☒ Y ☐ N
2.	☐	☐	☐			☐ Y ☐ N
	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N
	☐	☐	☐			☐ Y ☐ N
	☐	☐	☐			☐ Y ☐ N

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s) _____ _____ _____; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ☒ Y ☐ N ☐ NA
All local permits were obtained before beginning closure. ☒ Y ☐ N ☐ NA

Check applicable box at right in response to all statements in Sections B - E.

	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐ Y ☐ N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y ☐ N	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating temporary closure.	☐ Y ☐ N	☐	☐
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	☒ Y ☐ N	☐	☐
2. Piping disconnected from tank and removed.	☒ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.**	☒ Y ☐ N	☐	☐
6. Vent lines left connected until tanks purged.	☒ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒ Y ☐ N	☐	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☒ Y ☐ N	☐	☐
10. Tank cleaned before being removed being removed from site.	☒ Y ☐ N	☐	☐

- CONTINUE ON NEXT PAGE -

G. CLOSURE BY REMOVAL (continued)

	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	☑ Y ☐ N	☐	☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
12. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site.	☒ Y ☐ N	☐	☐
13. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal.	☒ Y ☐ N	☐	☐
14. Site security is provided while the excavation is open.	☒ Y ☐ N	☐	☐

I. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.

1. Product from piping drained into tank (or other container).			
2. Piping disconnected from tank and removed.	☐ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐ Y ☐ N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.			
6. Vent lines left connected until tanks purged.	☐ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☐ Y ☐ N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐ Y ☐ N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐ Y ☐ N	☐	☐
11. Vent line disconnected or removed.	☐ Y ☐ N	☐	☐
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	☐ Y ☐ N	☐	☐

J. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☑ Y ☐ N	☐	☐
2. Do points of obvious contamination exist?	☐ Y ☑ N	☐	☐
3. Are there strong odors in the soils?	☐ Y ☑ N	☐	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☑ Y ☐ N	☐	☐
5. Was a closure assessment omitted because of obvious contamination?	☐ Y ☑ N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☐ Y ☑ N	☐	☐

Agency, office and person contacted: _____

7. Contamination suspected because of: ☐ Odor ☐ Soil Staining ☐ Free Product ☐ Sheen On Groundwater ☐ Field Instrument Test

K. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐ Educator Or Diffused Air Blower

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☒ Dry Ice

Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT**

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒ Tank atmosphere monitored for flammable or combustible vapor levels.

Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

L. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION

Jerry Knutson	[signature]	00014	11-22-93
Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed

INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed