BLDG NUMBER	TANK CAPACITY GAL	TANK PRODUCT	TANK CONSTRUCTION INFORMATION	TANK INSTALL DATE	REMOVAL YEAR	CLEAN CLOSURE YES/NO/UNI	DNR SITE ID
659	250	FUEL OIL	BARE STEEL	1943	1992		897
1010	500	GASOLINE	UNKNOWN	?	1992		907
1553	3,000	GASOLINE	BARE STEEL	1975	1992	NO	721
1557	340	GASOLINE	BARE STEEL	1964	1992		000
1562	500	FUEL OIL	BARE STEEL	1971	1992		906
1565	500	FUEL OIL	FIBERGLASS	1977	1992		905
1656	750	FUEL OIL FUEL OIL	BARE STEEL FIBERGLASS	1972 1978	1992		900
1680 1849	4,000 750	FUEL OIL	BARE STEEL	1978	1992 1992		1003 895
1853	750 750	FUEL OIL	BARE STEEL	1943	1992		896
2197	500	FUEL OIL	UNKNOWN	1977	1992		904
2204	1,000	FUEL OIL	BARE STEEL	1943	1992		304
2541	1,000	FUEL OIL	BARE STEEL	1946	1992		892
2569	1,000	FUEL OIL	BARE STEEL	1943	1992		1004
2572	500	FUEL OIL	BARE STEEL	1977	1992		894
2852	1,000	FUEL OIL	BARE STEEL	1961	1992		00.
5007	550		COATED STEEL?	1985	1992		
5014	?	FUEL OIL	BARE STEEL	1942	1992		354
5030	750	FUEL OIL	BARE STEEL	1943	1992		
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		891
6065	500?	DIESEL	UNKNOWN	1975	1992		
6250	140	DIESEL	UNKNOWN	1976	1992		893
10111	12,000	FUEL OIL	BARE STEEL	1973	1992		903
10137	500	DIESEL	UNKNOWN	?	1992		
242	1,500		COATED STEEL	1977	1992		
242	5,000	DIESEL	COATED STEEL	1971	1992		
242	5,000	GASOLINE	COATED STEEL	1971	1992		
242	10,000	FUEL OIL	COATED STEEL	1971	1993		0.03
3050	25,000	FUEL OIL	BARE STEEL	1975	1993		837
3050	25,000	FUEL OIL	BARE STEEL	1975 1975	1993 1993		837
3050	10,000	DIESEL FUEL FUEL OIL	BARE STEEL FIBERGLASS	1975	1993		837
3050 3050	1,500 10,000	UNLEADED GA		1975	1993		837
3050	7,500	USED ENG OIL		1975	1993		837
5050	500	FUEL OIL	BARE STEEL	1943	1993		007
2190	12,000	UNLEADED GA		1943	1994		1130
2190	1,000	DIESEL FUEL	BARE STEEL	1943	1994		1130
2190	1,000	UNLEADED GA		1943	1994		1130
2190	12,000	DIESEL FUEL	BARE STEEL	1943	1994		1130
2190	12,000	UNLEADED GA		1943	1994		1130
1553	14,000	UNLEADED GA		1965	1994		721
140 Anna Cara-	# 100 Park 100 LESS		ber .				

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 2177	8,000 1,000	UNLEADED GA LEADED GAS	COATED STEEL BARE STEEL	1965 UNK	1994 1994	NO YES	721

BLDG CAPACITY TANK CONSTRUCTION INSTALL REMOVAL CLOSURE SITE ID		TANK		TANK	TANK		CLEAN	DNR
2114		CAPACITY		CONSTRUCTION	INSTALL		CLOSURE	SITE ID
1754	NUMBER	GAL	PRODUCT	INFORMATION	DATE	YEAR	YES/NO/UNI	KNUMBER
106	2114	860	FUEL OIL	BARE STEEL	1947	1978	UNK	
108								
1266		*						
1266	-108							
1358	1266							
1467 12,000 DIESEL BARE STEEL 1943 1989 NO 300 1467 12,000 DIESEL BARE STEEL 1943 1989 NO 300 305 750 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 WASTE OIL FIBERGLASS 1977 1989 NO 302 1669 12,000 WASTE OIL FIBERGLASS 1978 1989 YES 1859 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 1879 12,000 GASOLINE BARE STEEL 1943 1989 NO 303 1879 12,000 GASOLINE BARE STEEL 1943 1989 NO 303 1879 12,000 GASOLINE BARE STEEL 1943 1989 YES 1938 YES								
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1550								
1554 12,000								
1658								
1661	1554							301
1668	1658							
1668	1661	4,000	WASTE OIL					
1669	1668							
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	105	750	FUEL OIL	BARE STEEL	1943	1992	YES	902

FORT McCOY TOMAH, WISCONSIN

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PREPARED FOR:

J&D ENTERPRISES, INC. 5197 LAVAQUE ROAD, DULUTH, MINNESOTA 55803

PREPARED BY:

REMEDIATION SERVICES, INC. 102 SOUTH 29TH AVENUE WEST, SUITE 100, DULUTH, MINNESOTA 55806 (218) 722-6013

WCR



W. C. in 100 a D. Luk. Minnesota 5500

102 S 29th Ave W, Suite 100 • Duluth, Minnesota 55806 Phone: (218) 722-6013 Fax: (218) 722-6319

July 9, 1993

Ms. Rani Douville J&D Enterprises, Inc. 5197 LaVaque Road Duluth, Minnesota 55803

RE: Site Assessment Report for Underground Storage Tank Fort McCoy Military Reservation

Dear Ms. Douville:

Remediation Services, Inc. (RSI) has completed its services for the above-mentioned project. The scope of the project was to gather and interpret information obtained during the removal of twenty-nine UST systems from the above mentioned site.

Based on the laboratory analytical results of soils collected from the basin of the excavations, and the Document entitled Site Assessment for Underground Storage Tanks Technical Guidance (WDNR PUBL-SW-175-92), it is the opinion of RSI that further environmental investigation of the soils and/or groundwater surrounding seven of these tanks is not needed, and can be classified as "Clean Closures". This report will serve to summarize information obtained during the closure of these tanks. A report summarizing the findings during the removal of the other twenty-two (22) USTs will follow under a separate cover within the next two weeks.

A copy of this report should be sent to the DNR's central office in Madison. Please contact (608) 266-2111 for submittal information.

If you have any questions concerning this or any other aspect of the project, please call me at (218) 722-6013.

Sincerely,

REMEDIATION SERVICES, INC.

RÖBERT J. MASLOWSKI Project Manager

RJM:lmr

TABLE OF CONTENTS

Site Background Information1
Contractor Information1
Geology2
Hydrogeology2
Tank Activities and Excavation2
Tank Cleaning and Disposal2
Individual Tank Information3
Building No. 50073
Building No. 15574
Building No. 22045
Building No. 28526
Building No. 50307
Building No. 60658
Building No. 101379
Summary

Tables

Figure 1
Fort McCoy Site Map

Appendix A

UST Program Profile Sheets Wisconsin DNR Manifest Forms

Appendix B

Individual Site Information
 (photos, figures, etc.)

SITE BACKGROUND INFORMATION

The scope of this project was to perform site assessments during the removal of twenty-nine (29) underground storage tank systems (UST), all of which were owned and operated by the United States Army (Table 1). The site of this project, known as the Fort McCoy Military Reservation is located between Sparta and Tomah, on Highway 21. The Fort itself encompasses approximately 60,000 acres.

The underground storage tanks (UST's) involved were used in several different capacities. The majority of the tanks (18) were used to store fuel oil used to heat occupied buildings. Eight tanks contained diesel fuel to power the backup generators or water pumping systems, and three of the tanks contained gasoline (two for backup systems, one for vehicle refueling).

The tanks ranged in age from 5 to 50 years according to information provided by the Federal Government. All of the product feed lines had been separated from the furnace or pump motors by Government personnel prior to the tank removal.

The site has been a military installation since the early 1940's. Prior to that, it was used for agricultural purposes. The Fort has provided basic military training as well as heavy weapons and specialized training. These activities have caused numerous releases of a wide range of substances. The Wisconsin Department of Natural Resources (WDNR) LUST (Leaking Underground Storage Tank) computerized tracking system has recorded 11 petroleum contaminated sites within the Fort boundary and also ranks the entire Fort McCoy property as a high priority site (Table 2).

Of the twenty-nine underground storage tank systems which were scheduled for site assessments, only seven can be identified as clean sites as determined by field analysis and confirmed through laboratory testing. As a result, only these seven sites will be addressed in this report (Table 3).

Existing UST's scheduled for removal are listed in Table 4.

UST systems installed from 1990 through 1992 are listed in Table 5. These systems conform to all spill containment and overfill protection requirements established to this date.

CONTRACTOR INFORMATION

Site assessment services for this project were provided by RSI (William Donovan-DILHR Certification #00101). Laboratory analytical services were provided by SERCO Laboratories, Inc. of St. Paul, Minnesota. J&D Enterprises, Inc. (J&D), of Duluth, Minnesota was the General Contractor for the project as well as the certified tank removal/tank cleaning contractor. The DILHR certified representative for J&D Enterprises was Mark McKinnon (#00305). A list of all contractors involved in this project will be provided upon request.

Mr. James Daniels, a UST/AST inspector for the DILHR visited the site on November 19, 1992 to observe the tank removal process and to ensure that only those persons certified by the State of Wisconsin were performing the required duties and that regulations were adhered to.

Persons representing Fort McCoy for this project are as follows:

Maureen Storandt, Contracting Officer, Building 2103 Donald Schonasky, Project Inspector, Building 2111 Kurt Brownell, Environmental Department, Building 2160

GEOLOGY

Bedrock geology at this site consists of Precambrian igneous rock underlying numerous Cambrian age sandstone formations. The surficial geology of the area consists of stratified sands from glacial outwash along with the remains of the eroded bedrock.

Fort McCoy Military Reservation lies in a section of Wisconsin known as the driftless area. This area escaped the erosional destruction of the glacial ice flows only to be dissected by numerous rivers and streams from the melting glacial ice. The Fort itself lies in the LaCrosse River valley.

A surface layer of grayish brown or black fine sands (depending on organic matter content) can be found throughout the county at varying thicknesses. Generally this is underlain by a loose, brownish yellow to light yellow fine sand to depths of 2' to 8' or greater. The excavations did not exceed this depth.

HYDROGEOLOGY

Depth to groundwater varies throughout the site, however, it is generally found within twenty feet of the surface and in many cases it can be found within four to six feet.

TANK ACTIVITIES AND EXCAVATION

Individual sites will be discussed in greater detail later in this report.

TANK CLEANING AND DISPOSAL

Prior to the removal of the tanks from the basin, the interior atmosphere of each tank was measured with an explosimeter. If the readings indicated that a tank was unsafe to remove, the tank was purged of petroleum vapors with liquid nitrogen.

Once the tanks were removed from the basin and placed on level ground, a 3 foot diameter hole was cut in one end. This allowed access to the

interior of the tank for the removal of any remaining residual product. The interior was then wiped dry with petroleum absorbent pads. All residual tank contents as well as cleaning materials were placed in 55 gallon drums for disposal. The cleaned tanks were transported by J&D on a flatbed trailer to a staging area where they were cut into scrap. The final scrap metal was transported to a storage area (DRMO) to await disposal. This area is maintained by Fort McCoy personnel.

Surplus Product Management

All usable product removed from the tanks was transported to J&D headquarters in Duluth, Minnesota.

Tank Sludge Management

Since two types of petroleum products were involved in this project, the tank bottoms were categorized as either diesel or gasoline, and the like products were combined. Approximately 30 gallons of gasoline tank sludge was disposed of at Waste Research & Reclamation (WR&R) in Eau Claire, Wisconsin. The diesel fuel tank sludge was combined with the heating oil sludge and the entire 275 gallons was disposed of at WR&R also. A copy of the UST Program Profile Sheets and Wisconsin DNR Manifest forms for the tank bottoms has been provided by J&D Enterprises, Inc. (Appendix A).

INDIVIDUAL TANK INFORMATION

Following is a brief narrative describing individual site characteristics, UST system conditions and soil vapor results. Photographs, figures, lab reports, tank inventory forms and soil sample collection procedures can be found in Appendix B.

Building No. 5007

This site is used primarily as a water supply building which houses a well and pump. This site lies in an open grassy area adjacent to a large open vehicle storage area. Topography is level with no surface water features in the vicinity.

A 1000 gallon coated steel UST was installed in 1985 to power a backup pump for the well. Recently a switch was made to propane. The tank appeared in excellent condition with the sacrificial anodes still intact. All piping was tight with no evidence of leakage. The tank was perched on a concrete slab and secured with two metal straps. This concrete slab was removed to facilitate soil sampling.

Four soil samples were collected and field-analyzed with a portable photoionization detector (MicroTIP Model MP-1000). One sample was collected from beneath each end of the tank and one from each sidewall. All four samples showed no detection of petroleum vapors.

Two laboratory samples were collected from beneath each end of the tank as required by ILHR-10 and DNR PUBL-SW-175-92. These samples were tested for Diesel Range Organics (DRO) using the Wisconsin Modified method. Results of the analysis show no detection above the laboratory detection limits.

Weather conditions were sunny and calm with temperature in the 40's.

Groundwater was not encountered during this excavation.

Soils encountered at this site consisted of a thin layer (< 6") of organic material overlying grayish brown poorly graded sands.

Soil Vapor Readings

SAMPLE #	DEPTH	SOIL TYPE	SAMPLE LOCATION	PID READING
SS-1	9′		Basin Floor South	
SS-2	9 ′	Grey/brown sand	Basin Floor North	0.0 ppm
SS-3	8 ′	Grey/brown sand	South Wall	0.0 ppm
SS-4	8 ′	Grey/brown sand	North Wall	0.0 ppm

Laboratory Analysis

SAMPLE #	DATE COLLECTED	LOCATION	RESULT
	4.		
5007-TI-1	11/23/92	South Floor (9')	<10 ppm DRO
5007-TI-2	11/23/92	North Floor (9')	<10 ppm DRO

Building No. 1557

This site is adjacent to building number 1555 which is the main Fire Station for Fort McCoy. Building number 1557 is a well house for use by the Fire Department. A gasoline powered well pump was used for back up purposes.

Topography is mostly level however, the tank location was elevated above existing grade. The surrounding area is wooded. Weather conditions were mild with very low humidity. Temperatures were in the upper 30's.

The tank (a steel 340 gallon UST) was installed in 1954. Piping from the tank to the well house had been removed prior to the tank removal. It was apparent that due to the location of the tank, the length of the product line was approximately 6 feet and was consumed in the tank removal excavation. No above ground tank for propane or gas was noted, therefore the backup system may now be powered by natural gas.

The tank showed some signs of corrosion however no obvious holes were observed. No petroleum odors were detected as well.

Field analysis of soils showed no detection for samples collected from

the floor and two sidewalls. Laboratory samples analyzed for Gasoline Range Organics (GRO) collected from the floor of the excavation were below the analytical detection limits.

Soils encountered at this site consisted of light to dark brown sands to approximately 7' overlying white sands of unknown depth.

Groundwater was not encountered at any point in the excavation.

Soil Vapor Readings

SAMPLE #	DEPTH	SOIL TYPE	SAMPLE LOCATION	READING
SS-1	6′	Grey sand	Basin Floor West	0.0 ppm
SS-2	6′	Grey sand	Basin Floor East	0,0 ppm
SS-3	5′	Grey sand	North Wall	0.0 ppm
SS-4	5′	Grey sand	South Wall	0.0 ppm

Laboratory Analysis

SAMPLE #	DATE COLLECTED	LOCATION	RESULT
•			
1557-IT-1	12/3/92	East Floor (6')	<10 ppm GRO
1557-IT-2	12/3/92	West Floor (6')	<10 ppm GRO

Building No. 2204

This site is located west of the main Fort and is known as the waste water treatment plant. Surrounding the tank location are the concrete treatment ponds. This tank was used for heating oil and was replaced by two temporary 265 gallon above ground storage tanks. Natural gas will eventually replace heating oil altogether.

Topography is level with no surface waters nearby. Weather conditions were cold with temperatures in the 30's. Light snow was observed.

A 1000 gallon steel UST was installed 1943 to store heating oil for use on site. It was found to be in fairly good condition. The short pipe run (< 6 feet of copper line) was consumed in the tank excavation. A concrete walkway lay above the tank and a portion had to be removed. No petroleum odors were noticed in the excavation.

Three soil samples were collected from the floor of the tank basin and field tested using a PID. All three samples showed no detection of petroleum vapors.

Due to the size and content of this tank, it is not Federally regulated and therefore a site assessment is not required by law. Fort McCoy has required that a minimum of one laboratory sample be collected from the floor of the excavation to confirm a clean site. This sample was tested for DRO with the results being below the laboratory detection limits.

Groundwater was not encountered during the excavation.

Soils encountered at this site consisted if a thicker layer of organic material (> 8") overlying poorly graded yellow to brown sands. Sampling depth did not go beyond 8 feet.

Soil Vapor Readings

SAMPLE #	DEPTH	SOIL TYPE	SAMPLE LOCATION	READING
SS-1	7.5′	Lt brown sand	Basin Floor West	0.0 ppm
SS-2	7.5′	Lt brown sand	Mid Basin Floor	
SS-3	7.5′	Lt brown sand	Basin Floor East	

Laboratory Analysis

SAMPLE #	DATE COLLECTED	LOCATION	RESULT
2204-IT-1	12/3/92	Floor (7.5')	<10 ppm DRO

Building No. 2852

This site is in a section of the Fort which appears to be used for vehicle storage and maintenance. Topography of this area is mainly flat with class V gravel as the primary road surface. Several buildings surround the site.

A 1000 gallon steel UST was installed in 1952 to store heating oil for use on site. Natural gas had been installed previously, eliminating the need for temporary above ground tanks. The pipe trench for the copper product feed lines was consumed in the tank excavation. The tank appeared to be rusted heavily in some sections, however, no holes could be found. Piping connections were tight and no staining was observed near the pipe joints. Ambient temperature was 30 degrees Fahrenheit, with no wind, and very low humidity.

Three soil samples were collected from the floor of the excavation and field tested using a PID. These samples were collected from under each end of the tank as well as under the center. All three samples showed no detection of petroleum vapors.

Due to the size and content of this tank, it is not Federally regulated and therefore a site assessment is not required by law. Fort McCoy has authorized a minimum of one laboratory sample to be collected from the base of the excavation and analyzed to confirm a clean site. This sample was tested for DRO with the results being below the laboratory detection limits.

Groundwater was not encountered during this excavation.

Soils at this site consisted of a thin layer of organic material overlying brown sandy soils containing small amounts of organics at

depths of 7 to 8 feet.

Soil Vapor Readings

SAMPLE #	DEPTH	SOIL TYPE	SAMPLE LOCATION	READING
SS-1 SS-2 SS-3	9' 9'	White sand White sand White sand	Basin Floor East Basin Floor West Mid Basin Floor	0.0 ppm mqq 0.0

Laboratory Analysis

SAMPLE #	DATE COLLECTED	LOCATION	RESULT
	44.405.400		
2852-TI-1	11/25/92	Mid-Floor (8')	<10 ppm DRO

Building No. 5030

This site is a private living quarters for command-type personnel. It is located in the northwest corner of the reservation on the banks of the Squaw Creek. Two buildings exist on site: the house; and a detached two car garage. The distance between the buildings is 80 feet. Topography is steep sloping to the northwest down to the creek.

A 500 gallon steel UST was installed in 1943 to store heating oil for consumption on site. It's location was approximately 8 to 10 feet from the south corner of the house. The vent pipe and the fill pipe openings were both directly above the tank. Upon excavation and removal from the tank basin, the tank appeared in relatively good condition. Some pitting was observed however no holes were found. No odors were noticed and soils were not visibly discolored.

Three soil samples were collected and field tested using a PID. One sample was collected from under each end of the tank and one from under the center. The depths of these samples were approximately 7 feet. Results of the field analysis showed no detection of petroleum vapors in any of the samples.

Due to the classification of this tank as non-Federally regulated, one soil sample was collected from beneath the center of the tank to determine if a petroleum release had occurred. This sample was collected at a depth of 7 feet and was analyzed for DRO.

Groundwater was not encountered during this excavation however the local flow direction is thought to be northwest toward the Squaw creek.

Soils encountered at this site consisted of a thin organic layer (< 6 inches) overlying grayish brown sands. At a depth of 6 to 7 feet, white to yellow sands were encountered. The excavation did not progress beyond that depth.

Unusual circumstances surrounding this site involved the assumed attachment of a remote fill pipe located approximately 75 feet from the tank to be removed. Once the tank was exposed, it became evident that a second tank was present on the site which incorporated the remote fill pipe as well as a normal fill pipe directly above the tank. A remote vent pipe was found to be attached to the house which ran beneath the sidewalk. This UST system was removed at a later date and will be addressed in detail in a separate report.

Soil Vapor Readings

SS-1 7' Grey sand Basin Floor N SS-2 7' Yel/white sand Basin Floor N SS-3 7' Yellow sand Mid Basin Flo	est 0.0 ppm

Laboratory Analysis

SAMPLE #	DATE COLLECTED	LOCATION	RESULT
			•
5030-TI-1	11/25/93	Mid-Floor (7')	<10 ppm DRO

Building No. 6065

This site is used as a water supply building housing a well and pump. It is located approximately several hundred feet from the main water reservoir that supplies the airport. This area is level with no nearby surface waters.

A 500 gallon steel UST was installed in 1975 to store diesel fuel to power a backup pump. It was located adjacent to the building with both the fill and vent pipes directly above the tank. No evidence of surface spillage was observed.

Three soil samples were collected from the floor of the excavation and field tested using a PID. Vapors were detected in all three samples however, the levels recorded did not exceed 10 ppm. Two soil samples were collected from under each end of the tank at a depth of 9 feet. These samples were analyzed for DRO. Results show no detection above the laboratory detection limits. Due to the classification of this tank as a Federally regulated UST, two soil samples were collected from beneath each end of the tank as required by ILHR-10.

Soils encountered at this site consisted of an thin layer of organic material overlying grey to white medium sands.

Groundwater was not encountered during the excavation.

Soil Vapor Readings

SAMPLE #	DEPTH	SOIL TYPE	SAMPLE LOCATION	READING
SS-1	9′	Grey sand	Basin Floor North	8.1 ppm
SS-2	9′	White sand	Mid Basin Floor	4.7 ppm
SS-3	9 ′	White sand	Basin Floor South	2.3 ppm

Laboratory Analysis

SAMPLE #	DATE COLLECTED	LOCATION	RESULT
6065-T1-1	11/19/92	North Floor (9')	<10 ppm DRO
6065-T1-2	11/19/92	South Floor (9')	<10 ppm DRO

Building No. 10137

This site is used primarily as a water supply building which houses a well and pump. This site lies in a section of the fort known as the hospital area. Building number 10111, which is adjacent to this site, was involved in extensive contaminated soil excavation from the removal of a UST.

Topography is level with no surface water features in the vicinity.

A 1000 gallon coated steel UST was installed in 1985 to power a backup pump for the well. The tank appeared in good condition with no obvious signs of a release. All piping was tight with no evidence of leakage.

Four soil samples were collected and field-analyzed with a PID. One sample was collected from beneath each end of the tank and one from each sidewall. All four samples showed no detection of petroleum vapors.

Two laboratory samples were collected from beneath each end of the tank and tested for DRO. Results of the analysis show no detection above the laboratory detection limits.

Weather conditions were sunny and calm with temperature in the 50's.

Groundwater was not encountered during this excavation.

Soils encountered at this site consisted of a thin layer (<6 inches) of organic material overlying light brown, poorly graded sands. These sands remained consistent to a depth of 7.5' feet.

Soil Vapor Readings

SAMPLE #	DEPTH	SOIL TYPE	SAMPLE LOCATION	READING
SS-1	7.5′	light brown sand	West Floor	0.0 ppm

Soil Vapor Readings (continued)

SAMPLE #	DEPTH	SOIL TYPE	SAMPLE LOCATION	READING
_			_	
SS-2	7.5′	light brown sand	East Floor	0.0 ppm
SS-3	5 ′	Grey/brown sand	North Wall	0.0 ppm
SS-4	5 ′	Grey/brown sand	South Wall	0.0 ppm

Laboratory Analysis .

SAMPLE #	DATE COLLECTED	LOCATION	RESULT
10137-TI-1 10137-TI-2	11/24/92 11/24/92	West Floor (8') East Floor (8')	

SUMMARY

Based on qualitative and quantitative analysis of soil samples collected, it is the recommendation of RSI that additional sampling and investigation is not warranted for the above mentioned sites.

We appreciate the opportunity to have performed these site assessments for you. If you have any questions, please contact Robert J. Maslowski, or myself.

Sincerely,

REMEDIATION SERVICES, INC.

BILL DONOVAN Environmental Geologist

BD:lmr

REVIEWED BY:

ROBERT J. MASLOWSKI Project Manager

Table 1. Fort McCoy Underground Storage Tank Information for project #HA00018-2P

Building #	Tank Capacity	Tank Product	Tank Installed	Tank Removal
105	750	Fuel Oil	1943	12/02/92
659	750	Fuel Oil	1943	11/24/92
1010	500	Gasoline	Unknown	12/10/92
1553	3000	Leaded Gas	1965	12/10/92
1557	340	Gasoline	1964	12/02/92
1562	500	Diesel Fuel	1971	11/23/92
1565	500	Fuel Oil	1977	11/23/92
1656	750	Fuel Oil	1972	12/01/92
1680	4000	Fuel Oil	1978	12/02/92
1849	750	Fuel Oil	1943	11/30/92
1853	750	Fuel Oil	1943	12/01/92
2197	500	Fuel Oil	1977	12/09/92
2204	1000	Fuel Oil	1943	12/02/92
2541	1000	Fuel Oil	1946	11/30/92
2569	1000	Fuel Oil	1943	12/03/92
2572	500	Fuel Oil	1977	11/30/92
2852	1000	Fuel Oil	1961	11/25/92
5007	550	Diesel Fuel	1985	11/23/92
5014	500	Fuel Oil	1942	11/24/92
5030	500	Fuel Oil	1943	11/25/92
5040	750	Fuel Oil	1943	
6062	400	Diesel Fuel	1976	11/17/92
6062	400	Diesel Fuel	1976	11/17/92
6062	1000	Diesel Fuel	1976	11/17/92
6065	500	Diesel Fuel	1975	11/19/92
6250	140	Diesel Fuel	1976	11/19/92
10111	12000	Fuel Oil	1973	12/03/92
10137	500	Diesel Fuel	Unknown	11/24/92

Table 2. Active Leaking Underground Storage Tank Sites at Fort McCoy (From WDNR L.U.S.T Computer Tracking System, August 13, 1992)

3 - Low 4 - Unknown

Priority Ranking: 1 - High 2 - Medium

ID# <u>Site Name</u> Date Reported Priority <u>District</u> 1 Western Dist. 128 (Fort McCoy Overall) 10/27/88 Building 1266 298 10/27/88 4 -11 Building 1358 Fill F 299 10/27/88 Building 1467 🦥 🕃 300 10/27/88 3 ~ 305 Building 1550 10/27/88 3 11 2 ~ Building 1554 🦥 🐃 10/27/88 301 11 11 306 Building 1668 10/27/88 3 11 Building 1669 () 302 10/27/88 11 Building 1879 303 10/27/88 1 -11 11 304 Building 2011 10/27/88 4 440 Building 457 10/12/90 4 722 Building 457 01/31/92 354* Building 5014 07/11/90 3

^{*} A UST was removed on 11/24/92

Table 3. Underground Storage Tank list of Clean Closures, Fort McCoy

BUILDING NUMBER	REMOVAL DATE	INSTALL DATE (TANK CONTENTS	TANK SIZE (GALLONS)	TANK DIMENSIONS
1557	12/2/92	1964	Gas	340g	36" x 60"
2204	12/2/92	1943	Fuel Oil	1000g	64" x 72"
2852	11/25/92	1961	Fuel Oil	1000g	64" x 72"
5007¹	11/23/92	1985	Diesel	550g	48" x 72"
5030	11/25/92	1943	Fuel Oil	500g	48" x 72"
6065¹	11/19/92	1975	Diesel	500g	48" x 72"
101371	11/24/92	Unknown	Diesel Fuel	500g	Unknown

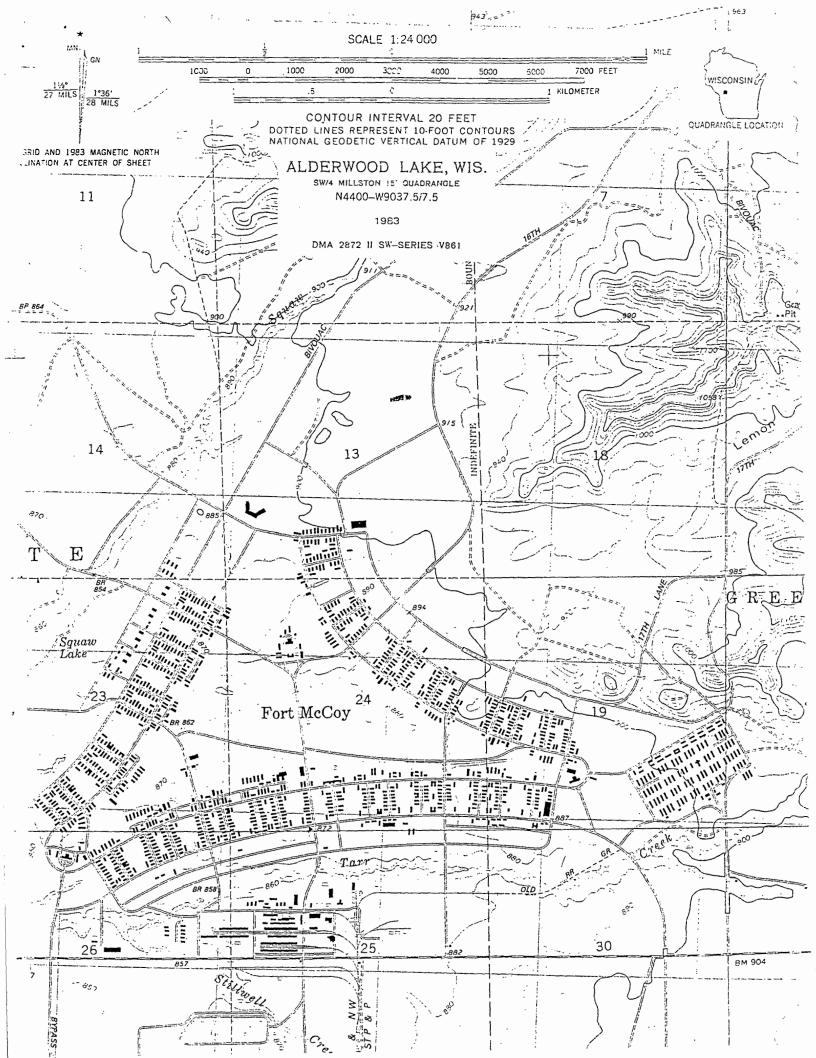
¹ Federally regulated tank

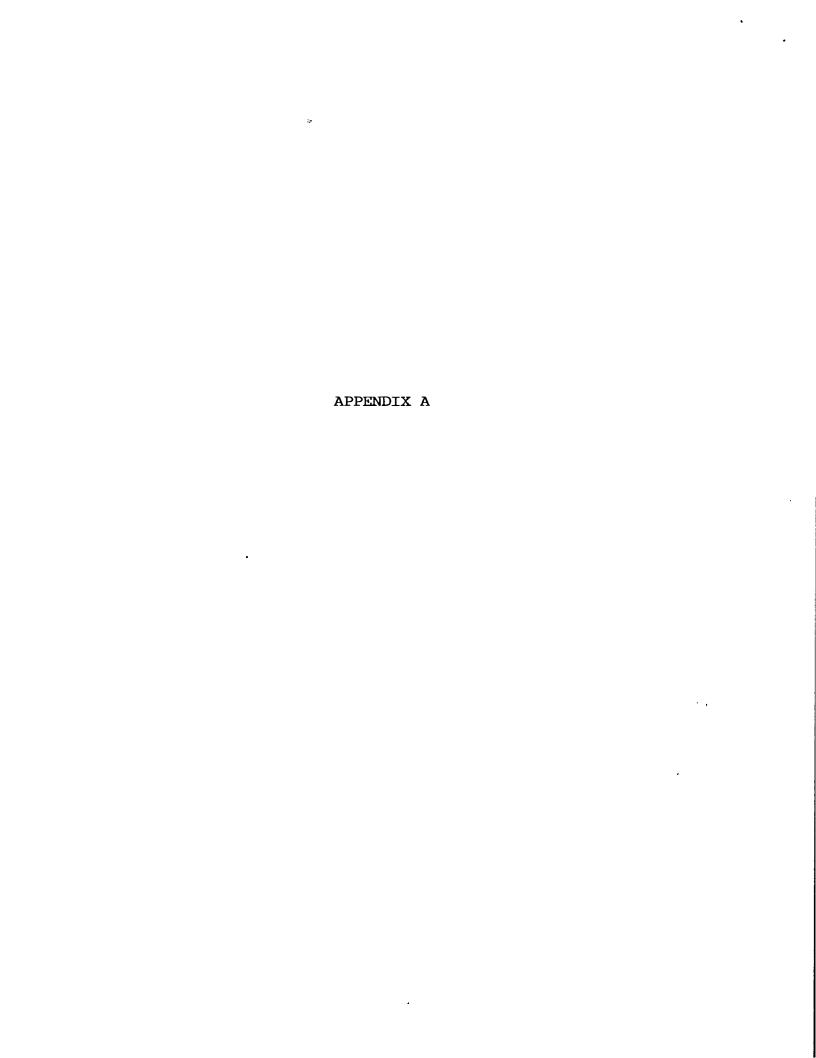
Table 4. Existing UST's scheduled for closure. Information provided by the Fort McCoy Environmental Department.

Bldg	Capacity	Product	Installed	Projected <u>Removal</u>
2190	12,000	gasoline	1943	1993
2190	12,000	gasoline	1943	1993
2190	1,000	diesel	1943	1993
2190	12,000	diesel	1943	1993
2190	1,000	gasoline	1943	1993
3050	10,000	gasoline	1975	1993
3050	7,500	used eng oi	1 1975	1993
3050	1,500	fuel oil	1976	1993
3050	25,000	fuel oil	1975	1993
3050	10,000	diesel	1975	1993
1553	8,000	gasoline	1975	1994
1553	14,000	gasoline	1965	1994
5050	500	fuel oil	1943	1994
6188	1,500	fuel oil	1952	1995
7051	1,000	fuel oil	1969	1995

Table 5. Recently installed UST systems. Information provided by Fort McCoy Environmental Department Personnel.

Location	Capaçity	Product	Installed
Bldg 242	3-unknown	Unknown	1992
Bldg 1370	1-2,500	Diesel	1990
Airport	4-20,000	Jet fuel	1992







PROFILE SHEET FOR UST PROGRAM

A. General Information	EPA Number WI 33100 20563
	Dept of the Army Fort McCoy
Site Address City, State, Zip	Building 2103 Headquarters Fort McCoy Ft. McCoy, WI 54656-5000
Contact Maureen Storano	dt Contracting Phone (608) 388-2924
Address	J & D Enterprises of Duluth, Inc. 5197 Lavaque Road Duluth, MN 55803
Contact Rani Douville	Phone (218) 729-9105
Bill to Generator	Contractor XX
B. Underground Tank Size	Capacity (Gal.) Various sizes from contract DAKF61-92-C-0050
Date tank was taken on Material currently in (Check one)	tank - Unleaded gasoline Leaded gasoline Diesel fuel Heating oil #1,#2 Heating oil #5,#6 Waste oil Other
* Does the sludge contain Tank will be disposed of a Transportation, of sludge,	PCE'S? YES NO XX t WRER: YES NO XX will be by:
	Contractor <u>XX</u> WR&R
Total gallons (projected) disposed of at	
generator, and having proper a the information above is a tru and am familiar with the infor knowledge it is true and corre been disclosed. Generator Signature CONY WRR will accept this specific may contact Jim Wilkie at (715) 836-	gned, the generator, or an employee of the uthority granted by the generator, hereby certify a representation of the waste. I have examined mation submitted in this form. To the best of my ot, and that all known and suspected hazards have Date TRACKING OFFICER'S REPRESENTATIVE attenual for processing and disposal. Please 8796 prior to shipment for labeling and shipping contains PCB's when it arrives at our plant, it

PROFILE SHEET FOR UST PROGRAM

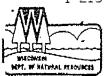
A. General Information	EPA Number (UI 3 à 100 20563
Business Name (Tank owner)	Dept of the Army Fort McCoy
Sita Address	Bldq 2103, Headquarters Fort McCov
City, State, Zip	Fort McCoy, WI 54656-5000
Contact Maureen Store	ndt Phone (608) 388-2924
Contractor:	
Name	J & D Enterprises of Duluth, Inc.
Address	5197 Lavague Road
City, State, Zip	Duluth, MN 55803
Contact Rani Douvil	le Phone (218) 729-9105
Bill to Generator	Contractor XX
B. Underground Tank Size	Capacity (Gal.) Various sizes from contract DAKF61-92-C-0050
Date tank was taken ö	ut of service 11-16-92 to 12-16-92
Material currently in	tank - Unleaded gasoline x
(Check one)	Leaded gasoline X
	Diesel fuel
•	Heating oil #1,#2
	Heating oil #5,#6
	Waste oil
# Boar bha alugan mantain	Other No.
* Does the sludge contain Tank will be disposed of	
Transportation, of slugge	
ALLEGOPA TO PECH OF MENES	Contractor XX
	WRGR
Total gallons (projected)	to be
disposed of at	: WR&R: 30
Certification: I, the unders	signed, the generator, or an employee of the
generator, and having proper	authority granted by the generator, hereby certify
the information above is a tr	rue representation of the waste. I have examined
and am familiar with the info	expation submitted in this form. To the best of my
	rect, and that all known and suspected hazards have
been disclosed.	$\mathcal{L}_{\mathcal{L}}$
, .	6 0.93
Generator Signature	Other Took Date 10-972
1	NTRACTING OFFICER'S REPRESENTATIVE
	material for processing and disposal. Please
information *If the material	6-8796 prior to shipment for labeling and shipping contains PCB's when it arrives at our plant, it
will not be accepted.	contenting ton a when he arrives ar our branch if

1 - Generator send to Wis. DNR

2 — Generator retain
3 — Facility and to Wis. DNR
Copies 1 & 5 mail to Wis. DNR at above address.

4 - Facility retain

5 — Facility sand to Generate
C — Transporter rotain



STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P Rev. 10-9

Rev. 10-92

State of Wisconsin . Department of Natural Resources Bureau of Solid and Hazardons Waste Mgi. Box 8094 Madhon, Wisconsin 53708

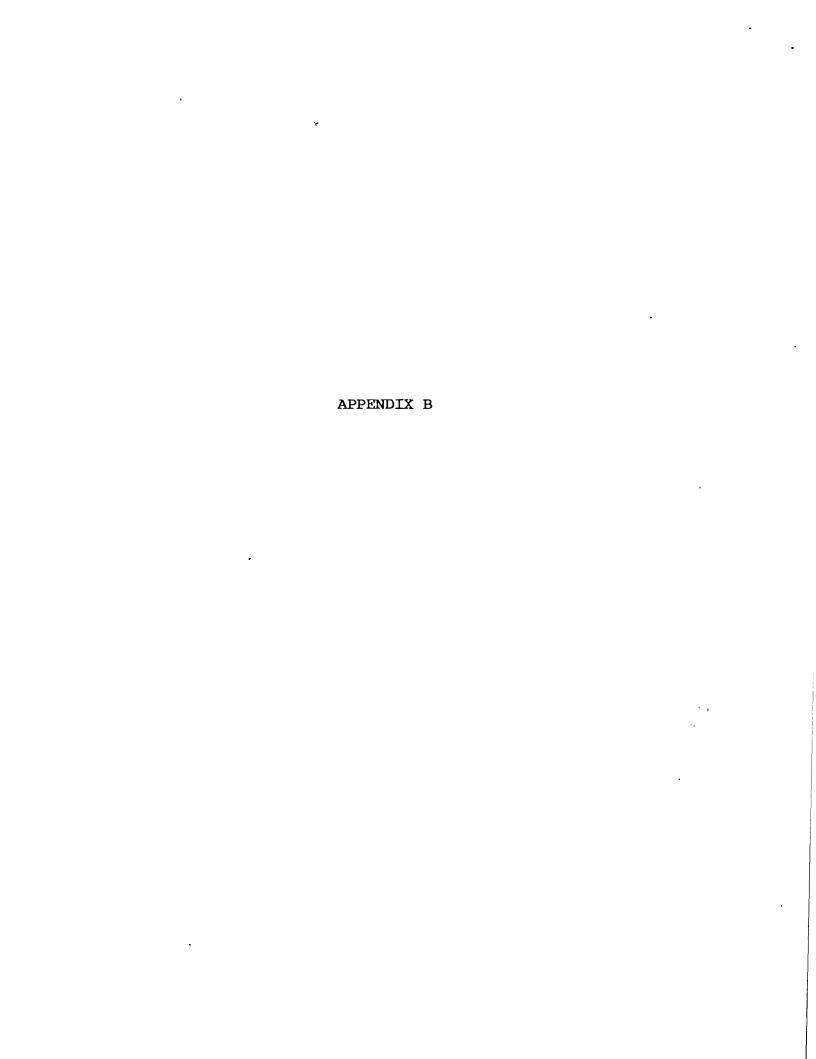
FOR DNR USE ONLY

EPA Form 8700-22 (Ray, 9-88) Previous editions are obsolete.

Emergency 24 Hour Assistance Telephone Number COPY 8— In Wiscondin 1608) 268-9232 TRANSPORTER RETAIN

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Copy Distribution:



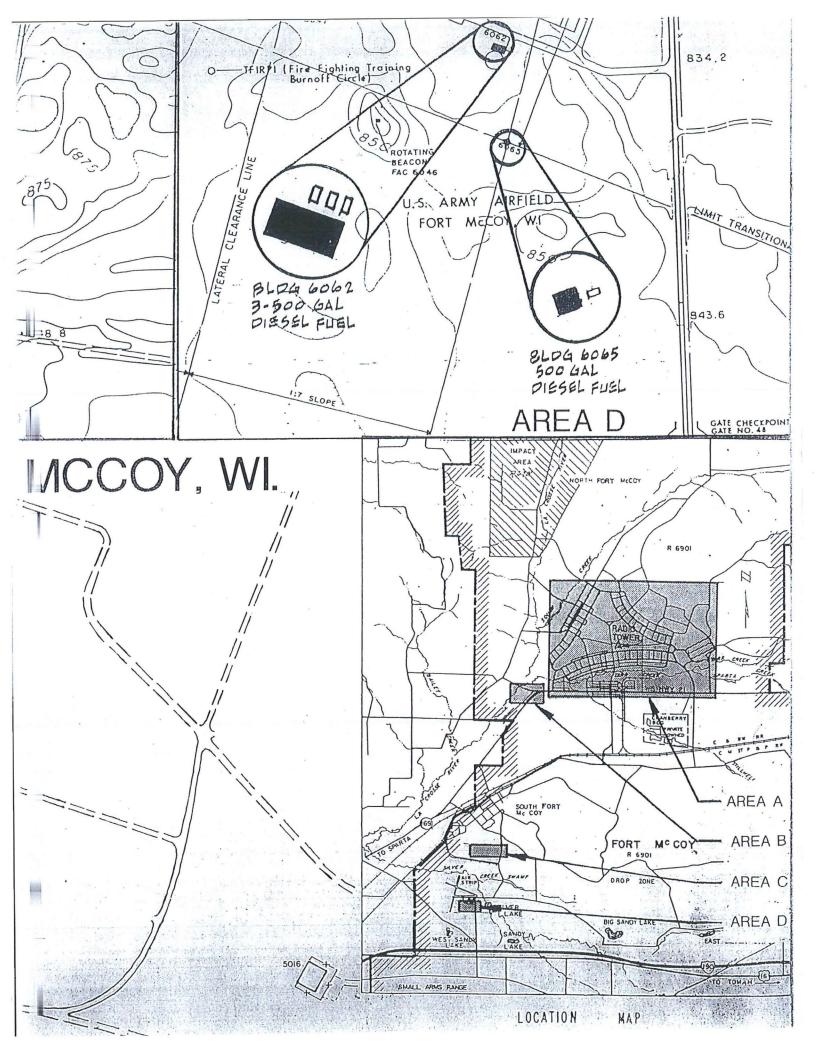
BUILDING NUMBER 6065

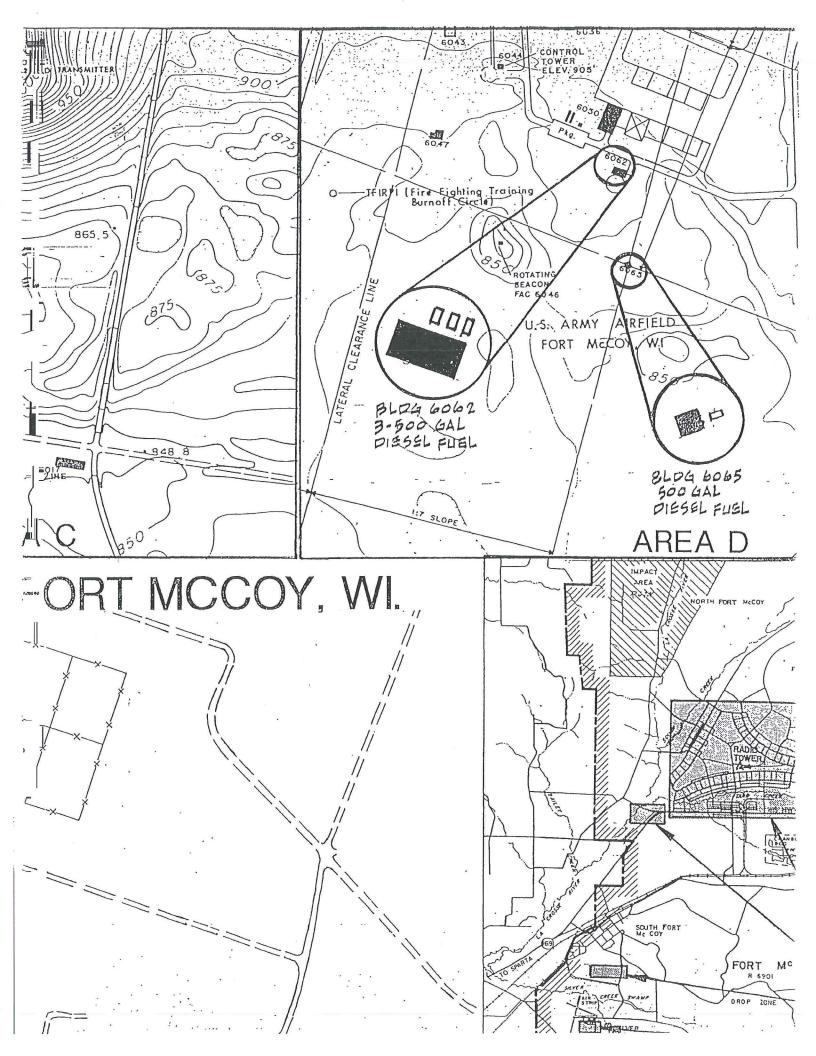


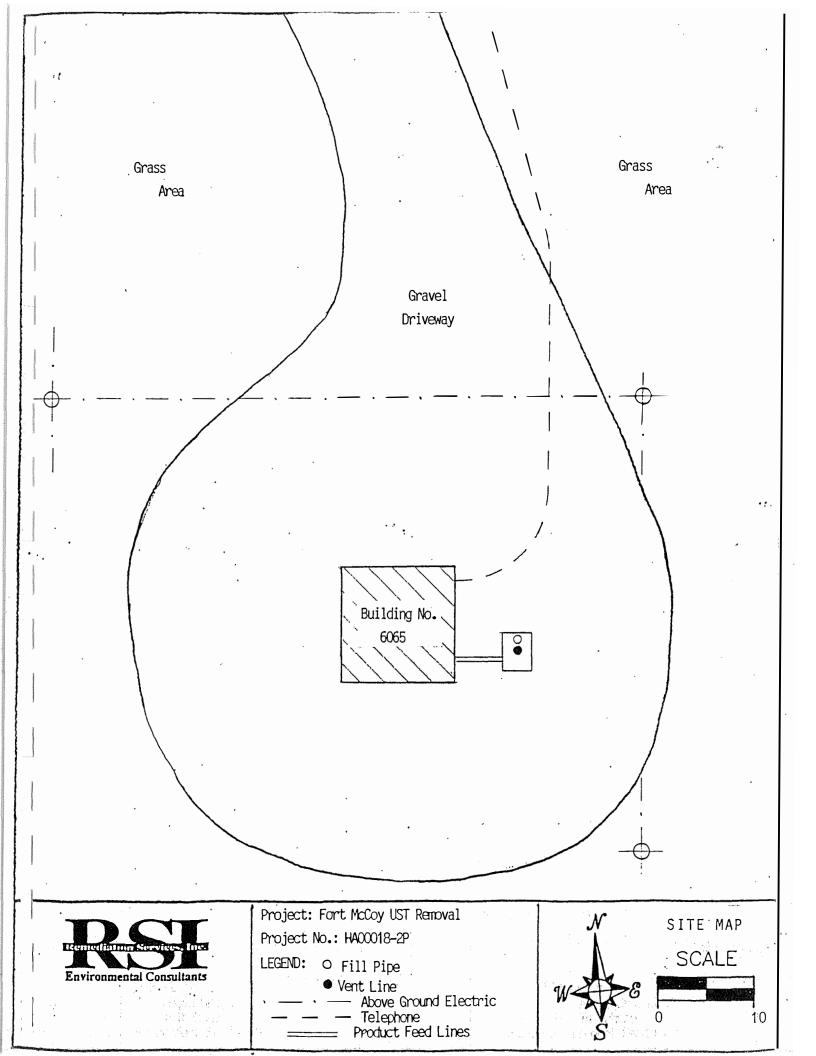
Location of excavation site at Building No. 6065

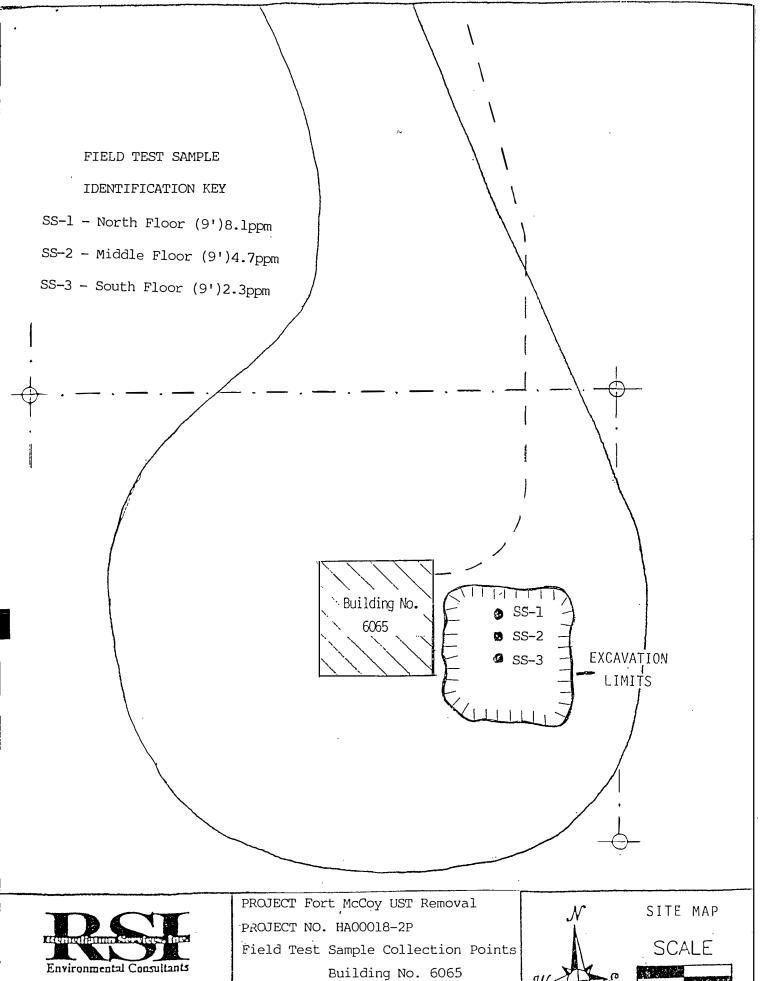


Final extent of excavation at Building No. 6065

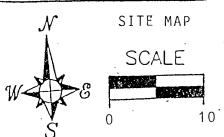


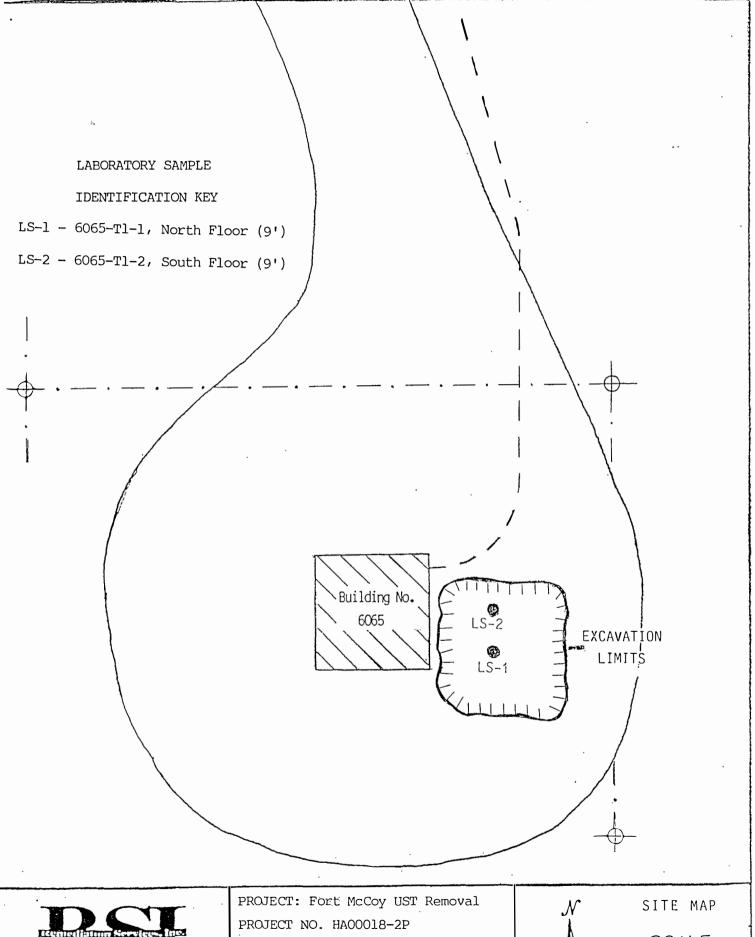






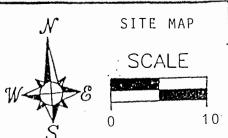
— Telephone Line LEGEND: · - Power Line







Laboratory Sample Collection Points Building No. 6065 - - Telephone Line LEGEND: · — · — Power Line





SERCO Laboratories

1931 West County Road C2. St. Paul. Minnesota 55113 Phone (612) 636-7173 FAX (612) 636-7178

LABORATORY ANALYSIS REPORT NO: 24284 12/09/92

PAGE 1

Remediation Services Inc. 2630 W. Superior St. Duluth, MN 55806

DATE COLLECTED: 11/18/92; 11/19/92 DATE RECEIVED: 11/20/92

COLLECTED BY: CLIENT
DELIVERED BY: SERCO
SAMPLE TYPE: SOIL

Attn: Bob Maslowski

SERCO SAMPLE NO:	117402	117412	117422	117432
SAMPLE DESCRIPTION: ANALYSIS:	3T-1	6062- 3T-2 E Floor 12'	3T-3 E Wall	3T-4
Diesel Range Organics C10-C28, dry weight, mg/kg	<10 、	<10	<10	<10
Analytical Method for MOD DRO Date of Extraction for MOD DRO			MOD DRO 11/23/92 12/2/92 96.1	11/23/92 12/2/92
SERCO SAMPLE NO:	117442	117452	117462	117472
SAMPLE DESCRIPTION: ANALYSIS:	3T-5	6065- T1-1 N Floor 9'	T1-2 S Floor	1ጥ⊷1
Diesel Range Organics C10-C28, dry weight, mg/kg	<10	<10	<10	55
Analytical Method for MOD DRO Date of Extraction for MOD DRO Date of Analysis for MOD DRO Total Solids, percent	11/23/92	12/3/92	MOD DRO 11/23/92 12/3/92 94.4	12/3/92



CHAIN OF CUSTODY

Page 107 2

ERCO LABORATORIES 1931 WEST COUNTY ROAD C-2			SAMPLING	ADDRESS:	tore	T M	coy, wis.
ST. PAUL, HN 55113		•			···		
12-636-7173 -AX 612-636-7178		•	SAMPLER:	Bue	Do	nort	3-n
COMPANY: REMEDIATIO	N SERVINES S	T'un		(\$1G	NATURE)	•
			PROJECT !	SUPERVISOR:			
ADDRESS: 26.375 W. S	PERIOR ST.	_					
DuluTH, M	111,5580L	_	SAMPLE LO	T HUMBER		DIS	CREPANCY YES HO
TELEPHONE: 2/8-722			COOLER M	DHBER		CLI	ENT NOTIFIED
FAX: 218-722-		 					PERATURE OF COOLER ON CEIPT AT LABORATORY
SAMPLE DATE T	THE METHOO	SAMPLE TYPE	SITE	NUMBER AND TYPE OF	8	DRY WI	REMARKS
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			150 UTHF 1009		i	1 ×	
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			AH				
3.			PH				project from the second
			AH.				•
4.			ЬN				
5.			AM PH	•			

State of ansin partment of Natural Resources

Return

Other

CHAIN OF CUSTODY RECORD LUSTPROGRAM 11_91

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ole Collect	rot(s)					Title/Work Station/Comp	Title/Work Station/Company					Telephone Number (include area code)				
	Bill D	onovan				Environmental G	eologist/Re	emediation	Services.	Ihc. 2	Ihc. 218/722-6013					
erty Owner Property Address										Telephor	ie Number (ir	iclude area o	ode)			
ONALD S. SCHONASKY SR PROJECT INSPECTOR FORT							04 5	esa Wi	54656	608	- 085 -	3466				
		•				ed of these samples as noted belo	· -		REC EIVER							
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ield ID umber	Date Collected	Time Collected		ple Device	Preserv. Type	Location/Description (see footnote 2)	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Scaled	Good Condition	Other Comment			
					1	WEST BASIN FLOOR.		Ì	3				<u>'</u> } 			
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	uliala		_			EAST WALL	DED		3							
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cify grow	ndwater, su	rface water,	soil, le	achaic,	sludge, etc.							,				
uple descr	iption mus	clearly con	rrelate il	ne samp	le ID to the	sampling location.										
	DEPA	RTMENT U	SE/OPT.	IONAL I	OR SOIL SA	MPLERS			DEPARTMENT U	SEONLY		· · · · · · · · · · · · · · · · · · ·	·····			
DEPARTMENT USE OPTIONAL FOR SOIL SAMPLERS sition of unused portion of sample Laboratory should:						Split samples: Offered? Yes No (Check one)										

Accepted By:

Ciananica

PETROLEUM PRODUCT

TANK INVENTORY

991 PØ8 JUN 11 '93 13:51 P.U. 80X /207 Madison, WI 53707

For Office Use Only: Tank ID# Telephone (608) 267-5280 This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume

 (included piping) located below ground level. A separate for to the agency designated in the top right corner. 	m is needed for each tar	nk. Send each complete	ed form
This registration applies to a tank that is (check one): 1. In Use 4. In Abandoned - Tank Removed		Fire Department Providing F Where Tank is Located is in:	
2, Abandoned With Product 6. Abandoned - Filled With	(Indicate new owner	Cut Chillede Cit	own of
Abandoned No Product (empty) Inert Material or With Water 7. ① Out of Service	In section A. 4. below)	Tomah, WI	
		TOMATI WI	
A. IDENTIFICATION: (Please Print) 1. Installation Name	2. Mailing Name if Differen	t Than #1	
Fort McCoy	Fort McCov		P. Commission of the Commissio
Installation Street Address	Mailing Address if Differe		0.3
Cry 6065	Contracting Chy	Village Tow	
State Zip Code County	Fort McCoy	ip Code , County	1
W1 54656 Monroe	WI	54656 Mon	nroe
3. Name of Contact Person Maureen Storandt	4. Owner Name if Differen		
Street Address	Street Address	Army	The state of the s
Building 2103	Headquarter		1 2.2-4
Crty 1 Town State Zip Code State Zip Code State Zip Code	D City D Town	State	21p Code 54656
County Telephone No. (include area code)	County	Telephone No. (include	area code)
Monroe 608-388-2924 5. Tank Age (date installed, if known: or years old) 6. Tank Capacity (gr	Monroe	608-388-25 er's Name (if known)	924
B. TYPE OF USER (check one):	noknowo		A STATE OF THE PARTY OF THE PAR
1. Gas Station 2. Bulk Storage	2. 🗀 Utility	4. Merca	ntile
5 Industrial 6. S Government	7. 5 School	8. 🗖 Raside:	ladn
9 Agricultural 10 Other (specify):		The state of the s	A CONTRACTOR OF THE PARTY OF TH
C. TANK CONSTRUCTION: 1. Bare Steel 2	Alainiffina? M. a. I leat? hate	nodes or h 171 Impressed Cu	ment)
3. Coated Steel 4. Fiberglass	5. D Oth	er (specify):	
# Relined 7. Steel-Fiberglass Reinforced P	lastic Composite 9. Unk	the same of the sa	15 F. V., 104 L.
Approval: 1. Nat'l Std 2. UL 3. Other: N/A Overfill Protection Provided? Yes No If yes, identify type:		is Tank Double Walled Spill Containment?	D ASS ED NO
Tank leak detection method: 1. Automatic tank gauging	2. D Vapor monitoring	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN	
4 🔲 Inventory control and tightness testing	5. 🗖 Interstitui moniti		at present
p. PIPING CONSTRUCTION 1. Do Bare Steel 2. Cathodically Protected and Coated or Wrapped 5 4. Fiberglass 5. Other (specify):		or b. [] Impressed Current)	3. Coated Stee
Piping System Type: 1. Pressurized piping with: a. auto shutoff; b	lalarm; or e. 🗆 flow restricto	2. Suction piping with	h check valve at tank
Piping leak detection method, used if pressurized or check valve at tank: 1.	□ Vapor monitoring 2	Interstitus monitoring	1 Tr. Al James
Approval: 1. Nat' Std 2. UL 3 Other: NA	A Language	Double Walled: Yes	No
E. TANK CONTENTS			Commence of the Commence of th
1. De Olesel 2. 🗆 Leaded	3. D Unleaded	4. D fuel 0	
5. Gasohol	7. Empty 11. Waste Oil	12. C Propar	ScaveUslurry
13. Chemical *	14. C Kerosene	15. Aviato	
* If # 13 is checked, indicate the chemical name(s) or number(s) of the chem	nical or wasta.	_	
If Tank Abandoned, Give Date (mo/day/yr):	Has a site assessment bean	completed? (see reverse sid	le for details)
Il installation of a new tank is being reported, indicate who performed the i	nstallation inspection:	*(10	
1. Fire Department 2. DILHR	3. D Other (identify)	NIA	
Signature of Person Completing Report.	Date 5	gned:	The Contract of the Contract o
Page Made		6-11-93	
580.2437/8 09/89)	the same of the sa	the second secon	Market Market Street St
SED-7437 (R. 09/89) Rani Douville, J & D Er	nterprises		

BACKGROUND FOR TANK INVENTORY

On May 4, 1984, legislation commonly known as the Ground Water Protection Act was signed into law. This legislation required the creation of an inventory of underground petroleum product storage tanks. A record of this information was necessitated by numerous reported incidents of ground water contamination by petroleum products. Many tanks have been installed, used and forgotten. These installations can threaten the ground water.

This underground tank inventory is being established to help identify the need for future actions required to clear up potential problems before they occur. Your help in identifying abandoned, "in use" and "new use" tank locations will greatly assist this effort to protect Wisconsin's ground water.

SITE ASSESSMENT INFORMATION

Requirements for a site assessment at the closure or change in service for a federally regulated underground storage tank were outlined in federal rules published in the September 23,1988 Federal Register, 40 CFR 280 and 281.

The requirements in § 280.72 state:

(a) Before permanent closure or a change-in-service is completed, owners and operators must measure for the presence of a release where contamination is most likely to be present at the UST site. In selecting sample types, sample locations, and measurement methods, owners and operators must consider the method of closure, the nature of the stored substance, the type of backfill, the depth to ground water, and other factors appropriate for identifying the presence of a release. The requirements of this section are satisfied if one of the external release detection methods allowed in § 280.43 (e) and (f) is operating in accordance with the requirements in § 280.43 at the time of closure, and indicates no release has occurred.

The external release detection methods in § 280.43 (e) and (f) are summarized below:

- "(e) Vapor monitoring." This sub section refers to the testing or monitoring for vapors within the soil gas of the tank's excavation zone. It further requires seven (7) conditions to be met to qualify the testing program as a valid vapor monitoring system.
- "(f) Ground-water monitoring." This sub section refers to the testing or monitoring for liquids on the ground water below the tank. It establishes the requirements for an acceptable system that effectively monitors the ground water for the presence of regulated substances and insures the integrity of the monitoring wells so the wells themselves do not become conduits for ground water contamination.

Complete written guidelines on the conduct of a site assessment can be obtained from the DILHR Bureau of Petroleum Inspection & Fire Protection at the following address:

Bureau of Petroleum Inspection and Fire Protection P.O. Box 7969
Madison, WI 53707

Site assessments are to be submitted to both the DILHR office and to the DNR at the following addresses:

Bureau of Petroleum Inspection & Fire Protection
P.O. Box 7969
Madison, WI 53707
Bureau of Solid and Hazardous Waste Management
P.O. Box 7921
Madison, WI 53707



DEPARTMENT OF THE ARMY

HEADQUARTERS, FORT MCCOY OFFICE OF THE COMMANDER SPARTA, WISCONSIN 54656



Environmental Management Division

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

Dear Mr. Baker:

Enclosed are two site assessment reports and an addendum to the reports for the removal of 29 underground storage tanks (USTs) at Fort McCoy. Nineteen of the removal sites appear to be clean closures and ten sites need additional investigation.

Laboratory results indicate contamination at Buildings 659, 1553, 1562, 1565, 1656, 1680, 1849, 2869, 5014, and 5030 (1 of 2 tanks). Remediation Services Incorporated of Duluth, Minnesota will perform remedial investigations at these sites later this year, with the exception of Building 1553 (PX gas station). Building 1553 is presently being investigated by Braun Intertec Environmental Incorporated of Mendota Heights, Minnesota.

No further work is planned at the 19 sites which laboratory results show to be clean. These sites are located adjacent to Buildings 105, 1010, 1853, 2197, 2541, 2572, 5040, 6062 (3 tanks), 6250, 5007, 1557, 2204, 2852, 5030 (1 of 2 tanks), 6065, and 10137. We request that the Wisconsin Department of Natural Resources declare these 19 tank removals clean closures.

If you have any questions or comments regarding Fort McCoy's UST program, please contact Mr. Kurt Brownell of the Environmental Management Division at (608) 388-4789.

Sincerely,

Scott W. Hyatt Colonel, U.S. Army

Commanding

Enclosures

Copy Furnished (wo/encls):

Commander, Headquarters U.S. Army Reserve Command, ATTN: AFRC-ENS-E (Debbie Richert), 3800 North Camp Creek Parkway

Called 10/4/93 & requested corr of reports (talked to Debbie, Kurt was out) Southwest, Atlanta, Georgia 30331-5099

enlactions LTC Acting Color

not complete

	TANK		TANK	TANK		PROJECTED	
BLDG	CAP	TANK	CONSTRUCTION	INSTALL	TANK	REMOVAL	
 ‡	GAL	PRODUCT	INFORMATION	DATE	STATUS	YEAR	
1370	2,500	DIESEL FUEL	FIBERGLASS	1990	IN USE	N/A	
105	750	FUEL OIL	BARE STEEL	1943	IN USE	1992	
659	250	FUEL OIL	BARE STEEL	1943	IN USE	1992	
1010	500	DIESEL FUEL	UNKNOWN	?	ABAN	1992	
1553	3,000	LEADED GAS	BARE STEEL	1975	ABAN	1992	
1557	340	GASOLINE	BARE STEEL	1964	IN USE	1992	
1562	500	FUEL OIL	BARE STEEL	1971	IN USE	1992	
1565	500	FUEL OIL	FIBERGLASS	1977	IN USE	1992	
1656	750	FUEL OIL	BARE STEEL	1972	IN USE	1992	
1680	4,000	FUEL OIL	FIBERGLASS	1978	IN USE	1992	
1849	750	FUEL OIL	BARE STEEL	1943	IN USE	1992	
1853	750	FUEL OIL	BARE STEEL	1943	IN USE	1992	
2197	500	FUEL OIL	UNKNOWN	1977	IN USE	1992	
2204	1,000	FUEL OIL	BARE STEEL	1943	IN USE	1992	
2541	1,000	FUEL OIL	BARE STEEL	1946	IN USE	1992	
2569	1,000	FUEL OIL	BARE STEEL	1943	IN USE	1992	
2572	500	FUEL OIL	BARE STEEL	1977	IN USE	1992	
2852	1,000	FUEL OIL	BARE STEEL	1961	IN USE	1992	
5007	550	DIESEL FUEL	COATED STEEL?	1985	IN USE	1992	
5014	?	FUEL OIL	BARE STEEL	1942	IN USE		0 -10 '-
5030	750	FUEL OIL	BARE STEEL	1943	IN USE	1992 —	2 tanks removed this (ocation (5030)
5040	500	FUEL OIL	BARE STEEL	1943	IN USE	1992	(ocation (5050)
6062	500	DIESEL FUEL	COATED STEEL	1976	IN USE	1992	
6062	500	DIESEL FUEL	COATED STEEL	1976	IN USE	1992	
6062	500	DIESEL FUEL	COATED STEEL	1976	IN USE	1992	
6065	500?	DIESEL FUEL	UNKNOWN	1975	ABAN	1992	
6250	140	DIESEL FUEL	UNKNOWN	1976	IN USE	1992	
10111	12,000	FUEL OIL	BARE STEEL	1973	ABAN	1992	
10137	500	DIESEL FUEL	UNKNOWN	?	ABAN	1992	Λ:
242	1,500	UNUSED SOLVENT	COATED STEEL	1977	IN USE	1993	
242	10,000	FUEL OIL	COATED STEEL	1971	IN USE	1993	
242	5,000	DIESEL FUEL	COATED STEEL	1971	IN USE	1993	
242	5,000	UNLEADED GAS	COATED STEEL	1971	IN USE	1993	
2190	500	DIESEL	BARE STEEL	1943	ABAN 1979	1993	
2190	12,000	UNLEADED GAS	BARE STEEL	1943	ABAN	1993	
2190	12,000	UNLEADED GAS	BARE STEEL	1943	IN USE	1993	
2190	12,000	DIESEL FUEL	BARE STEEL	1943	IN USE	1993	
2190	1,000	UNLEADED GAS	BARE STEEL	1943	IN USE	1993	
2190	1,000	DIESEL FUEL	BARE STEEL	1943	IN USE	1993	
3050	25,000	FUEL OIL	BARE STEEL	1975	IN USE	1993	
3050	25,000	FUEL OIL	BARE STEEL	1975	IN USE	1993	
3050	10,000	DIESEL FUEL	BARE STEEL	1975	IN USE	1993	
3050	1,500	FUEL OIL	FIBERGLASS	1976	ABAN	1993	
3050	-10,000	UNLEADED GAS	BARE STEEL	1975	IN USE	1993	
3050	7,500	USED ENG OIL	BARE STEEL	1975	IN USE	1993	
5050	500	FUEL OIL	BARE STEEL	1943	IN USE	1994	
6188	1,500	FUEL OIL	BARE STEEL	1952	IN USE	1995	
7051	1,500	FUEL OIL	BARE STEEL	1969	IN USE	1995	
1553		UNLEADED GAS	COATED STEEL	1965	IN USE	1998	
1553	14,000	UNLEADED GAS	BARE STEEL	1965	IN USE	1998	

BLDG MUMBER	TANK CAPACITY GAL	TANK PRODUCT	TANK CONSTRUCTION INFORMATION	TANK INSTALL DATE	REMOVAL YEAR	CLEAN CLOSURE YES/NO/UNK
2114			BARE STEEL			
			COATED STEEL			
106			BARE STEEL			
108 1266			BARE STEEL BARE STEEL			
1266			BARE STEEL			
1358			BARE STEEL			
1467	12,000		BARE STEEL			
1467	A CONTRACTOR OF THE PARTY OF TH		BARE STEEL			
			BARE STEEL			
			BARE STEEL			
			BARE STEEL			
1658			FIBERGLASS			
1661			FIBERGLASS			
1668			FIBERGLASS			
1668		FUEL OIL	FIBERGLASS	1977		YES
	12,000	GASOLINE	BARE STEEL	1943		
1669		DIESEL	BARE STEEL	1943		
1857			FIBERGLASS			
1859	4,000	WASTE OIL	FIBERGLASS	1978	1989	
1862	4,000	WASTE OIL	FIBERGLASS	1978		
1379	12,000	GASOLINE	BARE STEEL	1943	1989	HO
1879	12,000	GASOLINE	BARE STEEL	1943	1989	710
1938	860	FUEL OIL	BARE STEEL	1951	1989	
2011	4,000	WASTE OIL	FIBERGLASS	1978	1989	YES
2013	750	FUEL OIL	?	?	1989	YES
2110		GASOLINE		?	1989	YES
2113			BARE STEEL			YES
	4,000		BARE STEEL			
	750		BARE STEEL			
2190			BARE STEEL		1989	
2773			FIBERGLASS	1978	1989	YES
6062		FUEL OIL		1976	-	
10111			BARE STEEL	1943		YES
	750		BARE STEEL			NO
	1,500		BARE STEEL			
		DIESEL	BARE STEEL	1970		<u>= 70</u>
	4,000		FIBERGLASS	1978		YES
	1,000		BARE STEEL	1943		- 40
	1,000		BARE STEEL	1943		YES
			BARE STEEL			YES
			BARE STEEL			YES
2848	1,500	FUEL OIL	BARE STEEL	1958	1991	YES